



William P.O. Whitwell

Melville College 1859.60

1. Ault

2. Gunn

3. Prigmore

4. Powell

5. Sutherland

6. Morrow

7. Karkness

8. Graham

9. Morrison

10. Hammett

11. Hamilton

12. Hamilton

13. McLean

14. Chas. Battusby

15. Eschellman

16. Eschellman

17. Eschellman

18. Eschellman

19. Eschellman

20. Eschellman

21. Eschellman

22. Eschellman

23. Eschellman

Ault



24. Whitwell

22. Fraser

23. Falton

24. Duhamel

25. Usher

26. Morrison

27. Rial

28. Ross

29. Chavallier

30. Patton

31. Malcolm

32. Robitaille

33. Theriot

34. Lyon

35. P. Guillem

36. Leclair

37. Ponsard

38. Church

39. Campbell

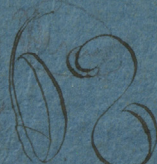
40. Dyer

41. Strohman

42. Hall

43. Hamilton

BADDS



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BAD



Dec 19. 1900

18. Eschellman

19. Eschellman

20. Eschellman

21. Eschellman

D. Campbell & Surgery { 14th Nov
Plan of Course, 1859. 60

Inflammation. ~~Symptoms~~ Nature & Causes.
Sympathy, its laws. Treatment of
inflammation. Effusion phlegmons &
abscess. Suppuration abscess: acute & chronic
effusion indurated floor & pus periton
sinus & fistula. Ulceration abscess,
& granulatⁿ. Necrotification.

Deranged Nutrition producing Tumors
benign & malignant. Cancer.
Hard & soft. Cancerous Colloid Melanosis
Oculous Tumors: &c &c.

Blood Vessels. Morbid & diseases of
Blood vessels - aneurysms. True & false.
lat. & internal - treat. by lig. Compression
& internal treatment.

Venous infl. - wounds - varicose -

Injuries external - wounds -

Surgery of bones, fractures & diseases
of bones. Cancer - necrosis - &c &c.

Surgery of joints. dislocations -
diseases of joints. Injuries & disease
Operative Surgery. D. D. D. DA

: Inflammation:

Sq. of Blood 1080. Temp 98°

10 lb of blood in a man of 150 lb.

Try Compound Substance.

Period in which Coagulat. takes place
rises commences in 3/4 min. & termi-
nates in 10'. aqueous vapor rises from
it. Proportion of Cassamentum &

Serum is 1/3 of former & 2/3 of latter.

Coag serum fibrine red corpuscles in
Coagulated blood: serum is remark-

for coagulating by heat - salted - when
heated changes into albumen^{its} serosity
flows out: Earthy & neutral salts in
fibrine matter in serum stimulates nerves

of heart. Fibrine most essential
part. Coagulat^a depends on its
basis of muscle. In many animals
red particles ~~are sometimes~~ wanting. Fibrin
& bulk varies - In man red corpus-
cles circular, flattened, transpar. bodies
1/4000 in in diam. red color thought
to arise from iron. Higher temp of animal
plus no of red corpuscles.

other kinds of corpuscles - are larger
than red disc. not so common.
Alls minute closed sac delicate
walls; Red Corpus is nucleated cell.
Lymph blood composed of lym. sing.
red & colorless corpuscles & granules.
Lymph sang. composed of serum & fibrine
fibrine pure. Dead blood composed
of serum & clot. & clot composed of
fibrine red & colorless corpus. and
granules.

Symptoms of Inflammation
Redness, swelling, heat, pain & (ferr.)
^{decreased function.}
Simple vascular excitement - increas-
ment of blood, tendency to exudation,
& Active Congestion.

Redness owing to increased size of
vessels - prot. nat. accumul.ⁿ of
Redⁿ capillaries. Blood vessels filled
with red corpuscles which are elongated
nearly or entirely. Redness
varies in shade - yellow tinge due to
whiteness of skin: dark hue when
inflammation is very violent.

swelling caused by dilation of
vessels. & extravasation of serum
into inflamed parts. Swelling
alone doesn't const. inflamm.
Heat. In most cases thermom.
does not show high heat. Most
remark. in nose eye ear. Mucous
membr. Increased heat alone does not
constit. inflamm. as in Scarlatina.
Heat may depend at first on
nerves of part. Chemical they
increase combust. of oxygen.

Pain usually proportioned to
violence of disorder. The exception
pain most acute during systole
of heart. Pain may be attributed
to direct irritation of nerves.
usually very acute in parts
largely provided with nerves
under aponeurosis pain intense
delirium sometimes caused. Pain stinging
& burning - dull & aching in glands & cellu-
lar structure. Lancinating in Cancers.
& malignant diseases.

Pain throbbing when suppuration is going to occur

sensibility of some of the organs of
sense exalted. Pain is ^{often} excruciating
where inflam. is absent. Pain not always
at point of disease.
Lecture 2nd Nov. 15th Dr. Campbell

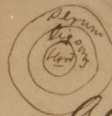
Local symp. Funct. disturb. or Derang.
ment, of part affected. When inflamed,
attacks part as eye ear nose pain & of secre-
ting organs, function is deranged.
In inflam. of brain often derangement of
function only symptoms. — Mex func-
tional disturb. not always sign of inflam-
mation. Derangement of nutrition -
serous or bloody effusion - softening
chronic inflam. often hardens pts.
Symptomatic Fever. Sympathetic
Alteration in performance of all func-
tions of body. After rigor - pale, shag
pale 90 - 120. Respirat. increased pale
flushed secretions denied. Skin dry, the
tongue dry & red, appetite lost urine &
scanty high col., bowels costive - head aches
drowsiness &c. This method of attack
in local disease. When reaction is
excessive tends to aggravate local disease.
Exacerbation. Towards recovery - in many
symptoms diminish. 3. Periods of disease in
2. Intermission & 3. Decline. Sometimes terminate
in critical discharges: in suppuration -
if purulent disch. profuse - hectic
fever induced. These symptoms vary,
tongue may be brown & furied, countenance
contracted - in nervous patients - called
imitative fever. These variations in sympt.
require change in treatment

Changes in blood. Blood coagulates more
promptly in inflamed ^{and} fibrine left on surface
Cells of surface clot - $\frac{1}{4}$ inch in thickness -
Called buffy or cupped ^{large quantity of serum} in inflam.
great tendency to throw off albumina
& fibrinous matter. Buffy Coat in both
venous & arterial blood. Serum of
inflamed blood contains more albumin.
Whatever hastens Coag. of blood
tends to prevent buffy Coat. Fast
flowing in full stream & surface
occurring in deep & narrow vessel.
Blood easily cupped in flat shallow
vessels. Cause thought to be excess
of vital power. Bl.
Mr. Hunter. thought buffy Coat depended
only from coagulation of fibrine.
Pregnancy - nervous agitation & all
Cause buffy Coat - other symp-
toms must be taken into acc.

Nature or Pathology of Inflamed matter

Capillaries principally affected -
Minute ramification of arteries &
veins highly endowed with vital power
A larger quantity of blood is sent to
an inflamed part than natural.
Increased sensibility of part. Increased
flow of blood - admission of larger
Corpus. Influxence. Blood stagnates
& changes in its composition.

Rupture of smaller vessels: exudation of
serum, liquor (sang- & blood corpuscles).



Inflammation.

Acute & Chronic - subacute intermediate
acute inflam. almost always ^{accompanied by} symptomatic
fever: Chronic not painful

(2) Healthy & unhealthy or Common &

specific: Inflam. produces salutary effect
in slight degree. In wounds. In hydrops
by exciting inflam. Adhesive inflam.
useful in preventing extension of ulceration
in mortified parts. Dead pt. separated
from living by adhesive inflam.
Inflam. always most violent most
internally, as in phlegmonous disease,
In abscesses near cavity of brain.
When common inflam. takes place near
surface called phlegmon.

Idiopathic & Sympathetic or acute
primary or secondary.

Active & passive not exactly synon.
with acute & chronic.

Cont. - Remittent - & intermittent.

Inflam. terminates in various ways -
Healthy or voluntary disappearance.

Subject to Metastasis. Another form - some
deposits red sed? when inflam. is subsiding.

- Pus forms - Serum is effused produces
adema & dropsy - ulceration - produced
by absorption - mortification.

Inflam. attending diff. injuries. Diff.

- Infl. on skin and eyes & spread -
ulceration & gangrene

In cellular inflam. effusion of serum is
performed - occasionally disease
spreads diffuses cellular inflam-
mation - death of cellular element.
producing carbuncle. Inflam-
mation of fascia great initiation from
produces till incisions are made
tendons + ligaments scarcely infl.
but bursa + synovial membranes
are. Carpalaps of joints explained
+ ulceration produced.

Veins + arteries in first suppurative
are common or circumscribed.
Nerves very rarely inflamed.
bundles of nerves rarely followed
by inflam of nerves.

In mucous memts. degrees first
followed by discharges.

Mucous memts. liable to softening
thickening ulceration + even
gangrene. when coagulable lymph
thrown out inflam. must have
been very acute.

Serous ^{memts} ~~memts~~ often ~~do~~ ^{show} red results
in their surfaces. adhesions produced
in this way. Inflamⁿ in solid viscera
usually softens but hardens sometimes
as hepaticized lung.



Wednesday Nov^r 16th
Causes of Inflammation

Predisposing - exciting - exciting direct into direct or indirect. Predisposition usually acquired - occasioned by mental irritation & excitement - plethora most common cause of inflammation - frequent excess in ardent spirits. Undue use of an organ subjects it to inflammation. Previous attacks

Exciting! direct all stimuli as heat & cold which act directly on a part, irritant matters mechanical violence. Pains usually variable in proportion to sensibility.

Indirect. Cold combined with moisture - as wet feet causes inflammation of chest or abdomen: supposed to produce disease by causing indirect disturbance of blood. Whole body sympathies - from particular injury. Improper food, abscesses - & inflammation of various parts of pus found in various parts.

Laws of sympathetic action

All organs perform act^s with certain degree of vigor - when one is diseased all others affected. When secretion is affected body in general suffers. Disease action may become natural & occasion disease when stopped.

Metastases. General fever apt to terminate in some local disease.

Treatment

Remove exciting cause if possible as soon as possible. Antiphlogistic treatment. Endeavour to diminish flow of blood to part. effected locally or constitutionally. Abstract blood locally by leeching, cupping, scarification or punctures - or by venesection. or arteriotomy. Temporal. Indications for bleeding. hard full pulse and weak with not less depletion. Some doubt as to blood letting will. Change in state of pulse not so good as cessation of flow.

Appearance of blood indications of cause of hemorrhage - state of pulse - nature & degree of pain. Period & duration of disease & acquire to be noticed in deciding about necessity of some section. Great majority of cases can be treated without bleeding.

Patient placed in semi-recumbent, or sitting post. Blood drawn in large stream allowed to flow until countenance begins to change - & pulse lessened & pain relieved.

Full & complete fainting very seldom reqd. Never bleed in recumbent post.

Bleeding may rarely be repeated.

Relieved by lessening quantity of blood in part. In severe cases local bleeding combined with venesection.

Local when amount of inflammation is enormous. Patient weak. Better active stage allowed to pass over & avoid leading to general bleeding. ~~Black m~~

In chronic cases local bleeding often of great service.

2 Indication of Inflammation

Respiratory secretions - lungs & Renal kidneys - Purgatives best. Hy. followed by Saline - Sulphate of Soda - Magnesia - Fruit - Soda & Potash - Cal. & Jalap.

Purgatives lessen pulse & lower Circulation - Circulation of head affected especially by Cathartics

Enemata or injections often employed. make them rich & hydrated return from 1 to 2 lbs fluid - ^{containing} salt - Magnesia

gruel, oil Turpentine. Sometimes will be
give an emetic - Specie of Emetic for
1 to 3 grs. given in 3 doses. 1 pt every 5^h.
the vomiting is produced - Copious draughts
of tepid water.

Lecture 4.

Thursday 17th 1854

Mercury In inflamⁿ. Is specific in some Cases
stops effusion of coagul. lymph. In Catarrhs In
inflam. of serous memb. In chronic inflam.
In acute inflam. Hg. produces depletion
In croup - inter. system hot under Hg.
In Britis give Calomel - usually given as
Antiphlogistic. 2 or 3 grs every 2 or 3-4. 6
hours according to case - till amendment
or stools limited: if Cal. passes off combine
Opium $\frac{1}{4}$ or $\frac{1}{6}$ gr. - or Chalk - Calomel
in Comp^d Chalk powder. Some rec^d.
Large doses Cal. 2 grs: but 2 grs does
more effectual - In Chronic inflam.
Hg. used of ointments or plasters. Hg
shd not be given unless essential - nor
to scrophulous patients - nor in typhoid cases,
when pulse low & fast. - quick & full -
nor in local diffuse fever - useful
when fever is diffused. —

Diaphoretic Attempt of Metastasis
Specie of Opium as Dover's powder
Tartar Emetic in small & frequently
repeated doses - diminish action of heart
& aorta - direct antiphlogis - acts as
diaphoretic - best dose 6 grs in first
24 hours - $\frac{1}{4}$ gr. every hour - dissolve it
in H₂O. As tolerancy of medic. is produced
increase dose to $\frac{1}{2}$ gr.

Many when stomach & bowels are irritate
Combine it with Opium or effluvia of
Tartar Emetic & Epsom Salts. at first. latter
stopped. In inflam^t. of uterine. forces
Emetic Tartar Emetic & Laudanum. forces
Emp. 3 or 4 drops Laud. $\frac{c}{4}$ gr Tart Emetic
for dose. Tartar Emetic given with Caution
to children. to 2 yrs to 3 - drop for every
month in child's age. Special safer
Remedy. Common sugar in. General
mild & safe but weakly Ant Tart.

Opium as general thing inadmissible
at first - except in turns. after bleeding
& purging Cal. stop. useful. When pain is
very severe in Continuum greatly aggravate
inflammatory action. After bleeding 2 or 3 grs
when much pain is present.
Then given by itself - when intense pain
is present Opium ought to be given in
large doses. In peritonitis after stopping
Opium must not be used. Remedy 2 grs until
pupil contracted & patient sleepy.

In ulceration specific. Some
Preparations thought to be preferable - but Opium
will not antiphlogistic

Digitalis - lowers act. of heart & arteries
but no long time elapses. usually
some effects are produced.

Colchicum

acts on low throes & bowels. used
chiefly in Rheumatic affect.
Eliminates urea from system

Aconite powerful sedative ^(especially) ~~lows direct~~
Fr. Heming & Common Pharmacop. Fr. of put drop
any form or ~~low~~ + 3 drops of latter.
for it combined with Fowler's salt
in affections of head. when it lowers pulse
decrease dose or give

Belladonna. $\frac{1}{4}$ gr. large dose 5 or 6 Drops
Fr. - In Inflammations & Cutaneous inflammations -
Iodide Potass - In Chronic induration -
in sequelae. In some inflammations affections
specific. In pericarditis -

Low diet - apart must cool re.
that surface - by bathing with Cold or Lepto H.
subacid drinks - Nitre - Tamarind H.

Local or topical treat of Inflamm.

Rest. If joint, secured. Tent splint. Position
ought relax muscles & favor return of
Arterio blood. Local abstr. of blood
Elevation of temp. kept down & local applica.
of Cold - but going out with Cold water -
constant evaporation kept up. If no ice
1 pt Spts to 5 pts H₂O. Sugar lead. Salts
as Chlor. v. Valerian. $\frac{1}{2}$ 3 to 4 at water. 3 gr.
Acetic acid to dissolve it. 43 Camph. Spts.

Sulph. Zinc. Vinegar. Mur. & Acet.
Ammonia useful. Cold most use
in early stages. when tending to suppuration.
Cold give place to warm. Best cutaneous
patients feelings - Linsed Poult. Head H₂O
best application when suppuration is going
to take place Medicated with T. Opium -
simple hot water answers equally well.
When if vessels are on way of suppuration
barn resolution - ^{in progress} in early stages

Ops Sugar lead & op. to 3 of warm H₂O
omentation. But H₂O hot in deep inflammation.

Friday 18th Nov^r 1859

Pressure, sometimes in acute inflam. but as a rule not applicable till acute stage is over except in orchitis. Friction not useful till acute stage is over - when absorption can be promoted - Soap liniment or Opodeldove, or hand with flour. persisted in 1/2 hour - only in chronic cases where we wish to promote absorption.

Counter Irritation Effects produced. In factⁿ. resuscitation cauterization

most common of 1st Mustard kept on 20' to hour. Oil Turpentine. skin first fomented w/ boiling water & afterwards dropped on & cloth applied. Ammonia. Camph. Sulphuric acid. Strong Acetic Acid & Camph. Opts Fr. Cantharides. In chronic inflams benefit of warm plasters or strengthening plasters.

One of best. Corns hot hammer applied momentarily heat not to great. One of best dry cupping - apply by rubber & leave on half an hour & a no. of them - useful to exhaust air in them & apply.

Blistering Cantharids - tissue - If immediate effect boiling water or steam - Cantharides or No 5. Put on large part with hot water & rub on with dry gently & rapidly - till skin is white & ends of hands look blue - apply plaster - blister in half an hour. Strong liq. Ammonia blister in 3'.

Strong Nitric acid - Common Canth. plaster in adult 8 or 10 hours - in child 2 or 3 hours.

Blistering kept open by saucier or Canth. oint-
or Hy if necessary - Discharge^d serum under
them coagulant as well as irritant.

until resuscitation takes place. Blister is more
independent - a very large blister causes
frankness from loss of serum & all of them.

Tartar Emetic - v. uncertain & very painful
For Emetic 10 or 15 grs to 3 @ 3p. Castor oil
to 3p. For Emetic 3j to 3 keep out
a large pustules - v. painful & last
long. Castor oil best.

Pond? Special 3j to 3j laid will bring out
small eruptions in children

Velpian's Lin. 3p of each. For Em. & Castor oil
to strong.

In disease which is likely to be long -
pustular eruption best.

Setons & Issues.

Issues from Knife - moxa - or actual
Canterbury. with Knife - mark 2 places on skin
pinch it up & cut thro' marks with Needle
Leave tape in - gum elastic tape. Can be annointed
make sea issue - glass bead. or garden pea 1-
to 3 doz. glass bead from small dish.

Primarily Caustic Potash more rapid
take Rub. it on skin till skin gets soft. 5'
drop put in & apply poultice. Issue made
size of girator & over cut hole in also with.
& put piece of caustic potash & plaster over
it. Actual Canterbury most powerful
2ap to inch-length with - white heat. Calliform
firm-like firing - press to get thro' whole
skin - in drs. of hip 5 or 6 inch long & inch
apart. Less pain. Very best issues in
Culam Cases. Mos used in healing.

Moxa. more painful than hot iron - tedious.
Common collar ~~some~~ into cylinder & immerse
in Int. Polais ^{5 to 10} & move it on skin. about
size of soap. Cut inch off it & set fire
lay it on skin & protect. skin ^{get} pruned off
bellow: punctures deep. ulcer discharges
pus very abundant. Don't apply near
bone - or hip & joints - given place to
actual cauterizing. No firm applies these
actual cautery, in disease of shoulder.
All these applications cause inflam.
& flux of blood. Now used in first
stages of inflammation. Blisters
never applied immediately to part
suffering from high vascular excite-
ment. In acute inflamm. apply them at
distance. In Chronic ^{cases} blisters. cal.
& efficient remedies.

Fr. Iodine & Int. Arg.

Int Arg. used in various ways. in
infl. of mucous membr. in inflammation
eye. Vaguer. in ocul. or solution from
2 to 10 grs W 3j Arg. In some ^{cases}
Cases as weak as gr 1/4 & in some 3j
as in throat. Antiphlogistic effect.
best obtained in skin. by solid stick.
In deep seated parts: on inflamed gland
give iodine in emulsion. Fr. Iod. used
in same way in glandular affect.

Common Fr. Compd Fr imitates

3j Iod in 3j Alcohol. It has half brand
3i to 3.

Effusion

Tuesday 22nd Nov^r 1859

separate fr. Hvd of serous or fibrous portions.
Not necessarily caused by inflam. Serous into
Cavities of serous memb. & into intercellular
structure called adema-anasarca - puts on
pressure changes pos. stuff. In serous effus.
dropsy caused - fluid spread like serum.
May result from obstruction to venous Circul.
disrupted in cellular text. from dro. of heart.
May depend on weakness after severe
injury -

Indications. Obvious Cause. if progress -
Care - sometimes accomplished by tapping -
then cautery act. purg. diaph. diuretic. Blister
local bleeding pressure, stimulating oint.
into wh. Iod. or the latter.

Serous fluid when ready absorbed in serous sac,
serous - in arachnoid - Diff kinds of local dropsy
Synovial memb.^s liable to effusion.

Effusion of Fibrine When fibrin is effused
Congeals lymph. on surface of serous memb.
when lymph is thrown forms into crusts
Coat - becomes dry. forms adhesions.
This process of adhes. usually temporary.
So around & heal without primary union without
adhesion on place. Exists as fibrinous b.
or ~~as elastic~~ corpuscular or plastic, or elastic.

Fibrinous - healthy lymph. filaments in
structure. delicate undulated fibrils.
Corpuscular does not coagulate - degenerates
into pus. Land allan cells change into
pus corpuscles instead of passing up to
ciliated cells. When healthy lymph is effused
union by 1st Intention Constituted.
In 8 or 10 hours after origin of blood has
ceased lymph is effused & if parts in
Contact glued together.

nature of disease. Presence of globules in pus - put small quantity of pus between pieces of glass - & look at dest. Canth - Colors prod. with some mucus. Formerly loss of mucus. Thought mucus was a prod. of pus now know that capillary vessels secrete pus. If ulcer inflamed discharge - mucus washed or suppressed.

Cellular membrane mucus mem. other signs vascular - inner cartilag. & pharyngeal - in much less met with in brain & nervous mem. seldom met with glands prone to ulcerate. Suppuration superficial? & interstitial latter occurs within texture of body.

Suppuration acute chronic subacute.

Simple or specific.

2) chronic suppuration. both with or without pain. Suppuration depends on nature of inflam. & its nature. but always.

Suppuration. Some forms of pustular disease. Suppuration always attends ulceration. In mucus mem. suppuration without ulceration. In ordinary cases (nature of abscess) circumscribed.

Epineuric mem. cyst. density. It is very rare to find pus cyst around acute abscess. Duration of mem. living abscess. Cyst of abscess regarded as secreting & absorbing surfaces. Sometimes chronic abscess disappears without external opening. When pus actually begins to form pain comes to intensity.

Local appearances, redness & hardness of surface augmented. - pointing of abscess. Circled - whitish or yellowish appearance. Fluctuation perceived in swelling.

Place 2 or 3 fingers on one side of swelling tap the other side fluctuation may be felt.

Thursday 24th Nov^r /59

When abscess deeply seated, do not point out
Rays or shewing occurs before suppuration
takes place. In inflam^s of head & spine
often a suppt. of parapint. & many deep seated
abscess, & dense above them. In many persons
slight inflam. apt because suppuration.
Suppression of any disch. apt to be followed
by abscess as in suppression of milk
Causing milk abscess. Matter has
been discovered after death without any
history of previous inflammation.
In brain - liver lungs spleen & in
joints pus has been found. Some
pathologists think purulent matter
arises in blood & deposited in pts.
where texture of organs favors its
invasion. Pus is essential in closing
up of abscesses. One of modes of suppura-
tion is taking foreign bodies to surface
abscesses of liver occasionally burst into trunk.
but usually burst into it.

Progress & termination of abscess.

At any period suppuration may cease.
Abscess often occurs - pus absorbed -

In other cases abscess may remain
stationary for a long time without
causing any bad effects, usually
otherwise.

Prognosis Danger on situation & its size: being
of des. gub. it has been produced or accompa-
ny - or strength of patient.

Abcess in internal organs dangerous.

Treatment. Outdue inflam. wh. has led to
formation of matter.

Abcess Complic. of inflam. & situation of matter
3 Existence of pus does not change action of
cause which has produced it.
After abcess has formed - low diet - aperient
medicines - &c. As soon as we find that
Resolution is impossible - apply punctures
or incisions - when pain & lessen
inflam. leeches - saline purgatives
low diet. Another indic. remove source
of foreign bodies. As soon as pus is
fully formed - lancet. In venereal abcess
Ind. & pressure often cause absorption.
When acute abcess bursts of itself opening
large & takes long time to heal.

Do not open acute abcess. Wh fluctuation is
distinct: Confinement of pus attended w
pain - & pus may spread.

Those which require early opening are in
Sides of neck - leg of arm - armpits.

In chronic abcess open as soon as seen.
Sloughs of tendons apt to occur if opening
as related. - abcess under plantar or
palmar fascia - require early opening -
Whitlow. In highly vascular & nervous
parts open early. Abcess near
urethra - on Dura Mater - & side of
Rectum. Opened w knife - Caustic
or Caustic opening made where
lumen points - if possible dependent.
In acute abcess of large size - open if flint
placed in wound to prevent union

+ a warm poultice applied - warm water applications afterwards + if abscess does not heal subject of health pressure. If still improved to remove open stimulating wash. Caustic Potash used in scirrhous glandular abscesses.

Friday 25th Nov^r 54

When suppuration is about to occur pulse becomes weak & quicker & rigors often occur.

Purulent cysts may be formed without inflammation. Heat applied by poultices & fomentations. If ~~abscess~~ difficult in diagnosing an abscess use exploring needle. Do not continue poultices more than 2 or 3 days. If abscess is slow in healing use stimulating washes.

Chronic or Cold Abscesses:

Often forms slowly & insidiously. Little effusion of lymph - swelling irregular - proceeds from low vitality - occurs in weak constitutions. Pus usually thin & resembles whey - & curd rather than it.

Surface white - soft points. Not necessary to open early. When attention is delayed danger to make an bad opening: as internal surface may cause death in a few days.

hectic Fever comes on after enlargement of inflammation of abscess. Result of weakened constitution very often follows opening of chronic abscess. Sympathetic influence of fever constitution of increased action: the

Pulse frequent small, aspir^d hurried short - easily aroused. Countenance v. pale except red patch - redness around?

abruptly. Palms of hands + feet hot in ery. Urine
pale + copious. Exacerbations of symptoms in P.M.
Pulse may be clean. As Fever advances -
Night sweats occur: + diarrhea may come on
alternates w/ night sweat. Respiration is
+ diaphragm called conjugative.
Ralema before death appetite may be good
pupils dilated + eyes very brilliant.
Existing Cause local injury or disease
Hectic + pleuritic like intermittent.
~~Acute of local System Sympathetic~~ a vital
affairs, especially, as lung, liver, kidney -
At one time throat due to ~~to~~ pus in throat
but mis-taken Jabschko in lung before
suppur. may be attended w/ Hectic.

Treatment of Hectic

Remove Cause if possible - if from discor-
dant remove it. If from uremic Cause
palliate disease. Const. supported
liver, Lu, urine in small quantity, + at
short intervals - every hour or two.
In some cases, as in Nephritis - w/ Hectic
support patients strength by suitable
diet + exercise - open air - Coldwater
springs. Sponges w/ Vaseline + Spt in hot stage.
Astringents. Sals of Zn Oxid Zn. Dil Sol or
Aromatic Sol. 20-m. Operates to check diarrhoea
Sulph. Morphia w/ Dil Sol.
Wrt of Chronic Abscess. If small lay it
open + let it heal up from bottom - or by
bottom - when abscess is very large (Abcess)
open gradually. Draw skin over abscess +
hold it in that position - + plunge ^{upwards} into it - +
take away B of abscess + heal it up by Alodion
or plaster: but often followed by adhesion
w/ fatal symptoms

Best mode by Crocher - Insert it under skin a short distance & then plunge it into abscess so that two openings may not correspond. evacuate whole of abscess.

If chronic abscess connected ^{seems} & dis of bones leave abscess alone. When abscess above rupts, open again - Inject Dr. Iod. in interior of small abscess containing 3 fluid but do not in large abscess.

Iodine Potass. & Iodine Potass. - Chloride 5 grs
taken in hot milk night & morn.
dissolve - Paint w Iod. or Rub dry
or Compress soaked in

3j Iod. Alcohol 3j & 3vii Aqua.

When abscess is small

Diffuse Inflammation - ^{abscess} Purulent Infiltrⁿ

Diffuse suppuration - Swollen & spreads

Diffuse abscess attended by Irritative Fever. Frequent pulse frequent
Irritative Fever Frequent - frequent pulse frequent
pain & sharp - are rapid & full. Temp
raised even hard vomit & dry.

Patient's breath offensive - Anxious & scant
suppressed & high colored. skin clammy.

Stomach - signs are irregular & frequent,
bilious & hot fit & several afterwards.

Patient's matter - oppression at chest.

Respiration hurried & dryness - Delirium
hiccough & Collapse

Requires active treatment heat
local dis. Incise & deep incisions

of purulent infiltration - followed
by hot poultices @ top of infection.

Afterwards hot water dressing &
gentle pressure.

Treat. of Fistula. ^{not bleed} Antiphlog. Purgative. Opium
grains - say 3 or 4 hours Sp. Chl. P. H.
Afterwards - Iron + Stimulants Am. Cant +
Camp. - Pæmia may be induced.
Active surgical antiseptics. pre infectious
Color red often attended with Erysipelas
Sinus. & Fistula.

Sinus - canal which has burrowed from
abscess. form in cellular subst. especially
around by early incisions. Lined by
pyogenic mem. very like mucous mem.
secretes pus + no tendency to granulate.
Sinus may depend on bone being attacked.
First probe + examine direction. Direct
C. Net Arg. or put a piece of lint in Sin.
Soaked in C. Net Arg. or introduced seton
12 threads + take a thread every other day
Treat constitutionally - any food. +
moderate stimulants - Dr. Canth. often
useful - 10 or 12 drops 3 times a day,
or $\frac{1}{4}$ gr in pill. When sinus is short +
not in exposed situation Cut up with
probe pointed bottom. Fill sinus with
lint + heal from bottom, as Common ulcer.
Yellow lint to remain till it begins to gran-
ulate. Seton applied when it is too extensive to lay
open Fistula - usually confined to those sinus
wh. communicate with natural Canal of
body

Tuesday 29th Nov^r.

Synopsis. When chronic abscess is in exposed sit. treat for abscess
if not open. When large use trochar. of good size, or Chal-
florentine Maltz may pass this: use pressure to prevent
blood gelling into abscess which would cause bad symptoms.
If inflame of pyogenic mem. occur open + disch. abscess
+ apply poultices to support strength.
pyogenic mem. ^{cells} Koembs Mucous, when long standing
almost Cartilag^{ous} structure.

Occasly stinging injest. of Ind. Tr. or Int. Aug. will cause
sinuses. or pain red hot wire in interior of sinus.
or by means of platina wire: heated hot

Absorption

Causes Decay of part. Superficial or Interstitial
Causes pressure. Allegation When pus cannot
be absorbed ulceration opens. Ulceration absorb.

Sloughs detached ulcerat. & absorption.

Granulation action wh. repairs breaches of
continuity. Layer of lymph depend on surface of
around - & extends of new vessels into lymph
lymph gets red. & bleeds & shoots up into red
points to dies granulations small points
from & vascular - Cont with pulchre min
from & healthy granulations always
secrete pus. healthy points durate & red
Aunt. look one healing rapidly with
out pain or inflam.

granulat. may b. large & pale & extend
along skin don't secrete healthy pus have
no tendency to unite a heal. -

When gran. is going on extent of
heal diminishes. Production of
new skin. from delicate blue pinkish
indument of new skin. met with
around one at margin. When whole
area is closed by granulation & cov.
with new skin Cicatrization said to be
Complete: granulations on side seem to
produce new skin.

Contract. of new skin goes on for some
months after. Inj. Case taken to
prevent this in horses. This process of
granulat. is exemplified in Cavities of abscess,

them of granulation but parts reproduced?
Cancer. with caust. of bone & skin - no thorough
reprod. of lost parts. When solution of cont.
follows

Ulceration. Process by which Chasms are formed
& removal of substance back into system. Effluvia
recurs. to stimulate thought caused by erosion quality of
fluid. More modern absorpt. something but not an
ideal softening or molecular disintegration. - fluid
more fluid form passes away with purulent discharge
When mere epith. & epideris removed called excori-
ation or abrasion. When vascular tissue removed called
ulceratⁿ. Some treat. ulcerate quicker than others.
More in Chronic than acute inflamⁿ.

Musculo-fascia & nervous more les. apt to ulcerate
Symptoms. Pain heat & redness & swelling at
first. Cuticle not involved. Vessels. excreta
prod. & cause beginning of ulcer. Edges of
ulcer sharp irregularly Pus sanguinous.
Margin of sore almost sharp. Skin around
painful - as soon as sore begins to heal then
appears & clears.

Cause. Inflamⁿ long unhealed
Scalds, burns. Pressure. In lower extrem. Varicose
Veins cause ulcers. Ulcers may be prod. of specific
diseases. Ulcers in these case preceded by abscesses
arises from specific diseases. Scrupula. Cancer
Impios Condⁿ. of sore varies with state of con-
solidation. In ulcer progress depends on nature
of primary cause Alteration of joints usually
demand excision. Prognosis depends on ap-
pear. crust. Extent & Character of sore.
Cancerous ulcers bad prognosis. Scrupula &
Syph. removed & impios crust.
Ulcers on trunk more rapid & heal than those
on extremities. Ulcers

Divided into healthy & unhealthy & specific
Symptoms: Ulcers tending to heal if there not tend to
to heal. First healthy ulcers. Under 2.
Unhealthy & specific

too delicate & beautiful to return
weak indolent means weak

Intractable one inflamed gangrenous phagedenic
& sloughy phagedenic.
Scrupulous ulcer.

Ulcers tending to heal a healthy ulcer.

Healthy sore. Small one from Corros. good pointed
granulations ^{great mass above skin} pure white creamylaudath
does not adh. by granulations

Treatment. Attention to cleanliness. Shave off hairs
from margin of sores if on the hairy leg.

In dressing not necessary. Wipe surface
of ulcer itself - simply dressing with

mod. warm dressing but not with tepid
water & on this old silk & on all
roller - not too tight. Once in 24 hours dress.

In winter once in 2 days. Parts in state of
desire. If one is large make wash
a little more strong. Eden's Red wash.

{ gr. vi. Sulph Zinc 3ij Red Sassa 3i Spli }
{ Rosemary 3vss water. for healthy ulcers }

When one heals to small point - & remains
stationary from scab. Put arg & dust
in flour or scraped lint. Red wash will heal
of itself or dry lint allowed to stick -
will separate with after with crust or scab.
If local shd inflame again remove scab or
apply poultice. Nit arg applied cauter.
healing of one. If granulate fix to
prof appf dry pressure. Bandage with lint
on granulat appf Red wash after.

Wednesday 30th Nov '59

Ulcers - weak & indolent or (callous - menses, one variety of latter)

Weak Ulcers. Common when lashing long. become weak. gran.^{or pale} dark. flatly - disch. watery, fleshy, edges rounded or smooth little or no pain except if surrounding parts free from induration. occurs in fl. persons, weak persons, gran. above skin

Treat. Stimulate - pressure, strong washes, Constit. metallic washes best. Red wash Tannin Zinc 8 grs Tannin 8 grs Zinc Zinc Aq. - Pressure useful on surface not on margins - lint on one & bandage. When bandage on for 10 hours or longer if patient complains; afterwards use Red wash. Or. destroy granulat. by Aq. Nit & then use metallic wash either plan good - If ulcer v. weak may have to be shaved off not often req. Pond Mynk. over weak ulcer repress granulations. Constit. Stim. (Cauterized. Qu. good diet. 10 or 12 drops Dr. Cauterized. Patient may walk about.

Indolent Ulcer. or Callous. most common v. common. usually on lower limbs - not often in young. Characters smooth surface - depressed - no granulat. bottom looks as if scooped out. grey brown or whitish. strong as if varnished. Called menses ulcer, Drosch, then impur. matter or viscid - sore - well circled, edges smooth & thick & when no inflam. edges of sore appear blue white. in color: ~~no~~ skin ash. to Inflam. ^{adema} exists, doesn't pit a pressure ^{firmness} ^{indur.} pain v. little, unless inflamed. In leg usually near inner ankle. All cases subject to indolent one - but working men more prone to it. Show off hairs always

Treatment. Take care that Callous when is not inflamed if inflamed - apply poultice & rest - warm to dressing. Dress one Baylons Strapping $1\frac{1}{2}$ in width. air can. above & can. below one. keep painful - 1st drop a inch from ulcer - (5 to 10 long).

If pain wet shape with ice water. Part of
point. best method of breaking and.
Ulcers. ordinary adhesive plaster - in the
Case skin too much soap plaster used
it. note an ulcer follows disch. to
escape. But forms centripetal contraction &
stimulates. Stages. 2 or 3 days. Great
common ulcer & Edm. & Red wash.

If it doesn't answer apply fly blister
Zinc's place produces large slough. left
in 12 hours, when slough separates in
punctures or warm dressing.

Internal Treat. Blue pill or Compound Rh. pill
aspirin & 1/4 gr. Caustic a 12 Drops or
bricks kept open. Opium is good
used of Skey. 3ij doses night & morn.

Opium could as long as system kept
support. Op. useful in old people who
died of leucophleg. Empiricism
not in fluid persons. good diet.

Irritable Ulcer. excessive painful.

Prevalent healing & cause of action

If constant irritate ulcer irritate. irritate
lines in irritate individuals usually in lower extremities

One superficial: edges sharp & irregular.
more or less undermined. bottom was
uneven. No granulations, if so few
rings. Disch. ecchymosis brown pain
excessive great drops. to bleed. Secretion
often lacrimates surrounding skin.
Vulva a pleuritic color. pus.

Treatment. Nothing. remove heat
& moisture fomentation. Medicated
opium 5 or 10 grs to 3j hot water

Deca Rpf heads. Calladonna.

Hydrocyanic Acid added to wash 1/2 pt. 60

205- 39 to 50th grade of water. Good wash.
Cureum & Amth. Pressure & Nurses (malt)
ones unse. Aug. not often useful times
magnus pull pull & apply to surround
skin. 31 to 3. One in 24 hours and
as sedative very often. & can be used to
saps a leucis useful but not often req.
Purging. & Salv. Dor. Rest adorsath.

All Course of the pill & Sarsa or Sarsa
& Potiodide or Polar. Dose. @ Sarsa.

after one becomes better - granulat.
appear, secretion laudath. - then
appon water dressing & roller. & after
Red Wash - gradually increasing diet.

Inflamed Ulcer.

may be very deep. (Maltath superficial).
Eyes hot swollen. hmb. then swollen. no gran
ulations saw pulp, foul & lined disch.
discolored pus mixed with blood. leg tense

Treatment soothing hot prevent
& not. ^{leucis} ^{humid} ^{granul} ^{purif.} ^{Antiphlogistics}
Acute. Ant. may be req. As soon
as one gets healthier give up antiphlogis.
& increase diet - after. apply presm
ham water dressing & Edmth Red Wash
pressure till one is healed. After one
gets well support laced stockings or elastic
flannel bandage useful.

Stomaching Ulcer.

Phagadæna. Common.

surface. irregular malh. v. adhe. Irone
small granit. various. disch. blood thin
or unknown. Saps irregular. rough border
increases in size Pain is acute
inflam. action is peculiar sometimes
Chronic. 2. Syphilis especially
^{leucis}

In Syphilis accidental complication

Treatment of Phagadana

In put Change Character & arrest progress of Nos
or oil of yoked acid by dissolved in 3 parts Nos
appf putres a anodine fermentable
Internally use of opium. as Dose 10
1/2 to only 1 hour. In this system &
always used active Comp Deco of
Chenopodium. When Sloughing is
prominent. Called Sloughing Phagad.
often met with in groin. attended
w. intense pain from pt. says of a ten
thick & abrupt. fever intense. usually
attended c remember like hospital
gangrene. Bleeding may be the Drak.
No. 100 or rapid fatal - may be ab-
solute progression. Disch. v. fetid.
O. little crust. discol. at pt. but
pt. much Sympathetic & much in
line. Disease Contagious. will prod.
same dis. when inoculated - Symp.
neg. case.

Treatment of Sloughing Phagadana.

Bleeding may be of consequence of
necrosis. Put patient to rest & put him
on Ant Tart for a few days. high
inflame. by 100 falls into rapid destr.
Opium used with advantage for
1st with Chlorate Potas. 10grs Dose.
10 grs chl. Potas. ev. 4 hours. Quinine.
Deco Bark a Ammon Carb. Wine
local heat v. active Actual
Canter. for Chloroform

Then wash with dressing medicated with
Chlorinated Soda or Chloride Lime 1 pt to
4 or 5 pt water.

Strong Nitric Acid. dry one & press Pros on
one. flat stick & hut wrapped around it
press it on till one is dry & black & Am-
plely changed - apply simple ointment &
poultice above it. a noc for 2nd appli-
cation. Nitric Acid. No. - denotes 3i Red acid 1/2
in 3i strongest. No. must form with kind
of ulcer.

Thursday, Dec. 1st 1859

Ulcers prevented fr. healing by peculiarity of action
some peculiar idiosyncrasy or diseased state
Scrophulous, Syphilitic, Cancer, Scrofulous, Lupus.

Specific

Some Creators in center as Syph. & Scrophulous
Color grey or yellow - surface depressed or elevated

Treatment varies with dis. usually best mode
to destroy part by Caustic Potash. Chl Zinc.
When ulcer resists long mode destroying its nature
usually called Cancer.

Scrophulous ulcers might be cured superficial ulcer
seldom occur alone usually cluster - latent
in depth - produced by tubercular deposit
Cancer induration enlargement. Integ. thin
blue purrory partly by sloughing & partly by
ulceration - granulations tall & painful
probe inserted without pain. Dischg. wheyish
fleshy pus - lymphous - Superf. ulcers can-
nunciate & each other 1/2 in 1/4 inch
buds red. a blue in color - Scrophulous ulcer
leads to tumor.

Treatment Local.

Destroy it by Caustic Potash. Open up ulcer
with stick of Potash. Dark blood will flow
away neutralize with sponge wet with vinegar
apply poultice till slough separates, ought to
be a healthy one. destroy too much rather
than too little

Caustic Treatment.
Oleum Liver Oil - Iod. Potass. Iodine
Hypophosphite Lime. good diet.

Varicose Ulcer.

depends on varicose Cond. of vein.
from leg especially branches of Saphenous
from below on up of connect. with vein
ulcer usually untreated though rest.
good diet if ulcer will heal press
appt. starch bandage. Use

Black wash 3j Calomel 3viii Semi Water
Rubent shd. wear lace stocking when ulcer is
healed. Radical cure of varicose vein may
be reqd.

Sometimes not Safe to heal Ulcer. In old
fat persons - Bone may be reqd. in calf of
leg before ulcer is healed up. Compensatory
thromb. reqd. bad symptoms - head - may
be caused by healing Ulcer up entirely.

Gangrene. and Mortification

Decline of life of part. Caus. into dark
blk. necrotic mass. Putrefaction occurs.
Soft juicy textures suppur. must. hard leath.
Degree of action wh. has preceded death of
mortified part mod. peculiar appearance
gangrene. intermed. state

Sphacelus. vital power extinct. blk
brown dead of sensib. peculiar
characters. fatal. - part in the state called
slough: not initiated by chemical means.
When mortification result of high inflam.
is called humid or moist gangrene, the
dry gangrene. as gangr. - Edema dark
& flaccid pits on pressure skin dark &
has mottled spots. Arteries narrow into

rich. called cella. a phlegm. distinguished from
mucous cellular membr. destroyed. Gas
generated - fed label.

Symptoms of system. Resembl sinking from
haemorrh. Count. pale cold moist - flake
ineq. pale. Tongue brown dark brown discol
features may become small & contracted
Facies Hippocratica. Breough's Coffee vomit.
Cold clammy sweats. Bradys heart - small like
moist saith. Mind disord. Low delir.
with coma - partial. of vital powers.
breathing obstructed & death comes in.

Cause. That gangrene extend. any organ.
i. Mortification not frequently result
of inflow. exists in gun shot wounds
in straight hernia in effus. of serum into
cellular membr. In gangrene cellular
membr. destroyed to a much greater extent.
Blood vessels & nerves scab it with their
cellula. Fascia & tendons when gangrenous
i. scab.

Dark red color separates - Line of demarcation
line of adhesion inflammation

Cellular text. more often affected - in sub.
Cutaneous more common than in sub-
mucous. - Attends Erysipelas - Diffuse in
dissection wounds. In boils & anthrax circum-
scribed form of gangrene. Blood vessels become
distended in gangr. part. Change in blood in blood
& gangr. part. Globules unite. Scab. diminishes
after coagulation of blood. Mortification
when it follows some injury called Traumatic
gangrene. Hospital gangrene. Charbot or
malignant pustule. Also gangr. & gang. of foot.
in old people ex of long or chronic gangrene.
Syst. hump on dry gangrene. Gangrene of foot
often proof of obstruct of artery of lower limb.

Gangrene. Causes
noted in degree of inflammation. attended & weakened
limbs & shafts of long bones not apt to inflame
but when they do die. Weaknesses especially
in the bones. Sluggish or interrupted
circulation in part renders it more
liable to gangrene.

When principle nerve is injured leading
to gangrene. paralyzed limb apt to
become gangrenous. Cause of long
and irritation. Arises lightning
Causes slough called lockjaw
Cold. pre-disposing cause

Hospital Gangrene partly brought on
by poor, partly by weak limbs
When part of way becomes gangrenous
large arteries leading it becomes blocked
up with coagulable lymph.

Friday 2nd Dec. 1859

Prognosis of Gangrene
depends on nature & cause: viz of strength

Treatment of Gangrene

Stop progress of disease: Remove cause of poison
as of lingering catarrhs urine. - operating for hemorrhoids
Cold common cause of gangrene - pre-disposing cause
Cold: exciting cause reaction caused by heat. -

Antiphlogistic measures sometimes necessary -
bleeding not often necessary: local heat.
Saline purgatives - low diet. over the parts of
warm emollient applications. Opium & rosin.
dose of Calomel. Opium & Potass. Chlor.

When disease advances - give - Am. Carb.
stimulants necessary. Bark & deco-
Quinine test. Opium Carb Ammon. & Chlor.
Potass hot treatment.

Local Applications

Free incision. may be necessary - poultices -

fermenting - Carrot. Sds. of Chlorat Soda + lime.
locally. Mixture of oil Turp. + Resinous matter
equal parts. Charcoal @ bread crumb powder
Part nine -

To remove separation of dead matter.
Is vital process. Line of demarcation formed.
sign that gangrene has ceased to spread -
adhesion inflamⁿ clots aparteritis etc.
Cellular - Muscles - veins + blood vessels last
of all, separate. When structure is hard +
not vascular part takes long to separate.
When white thickness of limb is gangrene.
Case demands operation - not before
Exceptions. When person is exhausted +
cannot survive slow process of nature amputate.
In deep gun shot wounds - immediate amput.
necessary - amputate some distance from
part. When gangrene arises from ligation of
limb. vessel amputation best.
In gangrene from frost bite wait till local
inflamⁿ subsides + line of demarcation
formed - before operation too hurry.

Charbon
produced by diseased matter from animals in state
of disease. Communicated by Contagion.
usually in soft body, exposed, face, neck, hands.
sometimes eating flesh causes malign pustule.
Commonness. with small vesicle filled @
body around prob. pyre structure
filled with black, as swelling proceeds.
Then red. ends exposed in gangrene.
Cils of skin becomes more + more hard
+ small black. numerous little pores
around pustule. pustule becomes
under + gangrenous.

Constat. Symptom Subj. of length
incubation from. Within 24 hours full disease
full. Symp. symptoms: dangerous disease

Treatment. Not destructive or cutting
out by knife - destroy part with white vitriol
caustic potash. Surgeon's best. Apply
hot poultices @ warm water. If discharges
may be incisions

Tuesday 6th Dec 59

Hospital Gangrene

l. like sloughing Phag. usually caused contag.
attacks around & alien. Hot & sultry weather
most fatal. Recent wounds more than
old ones - even fresh lts. Soft parts converted
into pulpy putrid subst. like gangrenous
Phagad. Part becomes very painful - Purple black
Escharas often c. it. Violent Erysip. & Wasp sting
by much alike Lymphatic glands apt to
suppurate & inflame. In advanced stages
hemorrhage frequent. Symp. then apt to burst
this vessel. Not new but means of arresting
bleeding. No coagulum formed or line of
demarcation as in common gangrene.
Spans no texture - from skin to bone.
Pulse rapid & full - breath fast - sinking
recta offspr. vomit - cold sweat - involunt.
defecations. Prognosis. As a rule unfavorable.
Causing canal infection but bubbling fits
met c. in fatal hospital. Ds. is contagious
question whether ds. is infectious.

Treatment. If patient is plethoric purg
opium in l. doses ev. 4 hours. c. Potass.
Chl. & Ammonia. As ds. advances wine
with stimulants. Depress of spirits & morbid
if possible: Change room of patient. All
dressings destroyed & care taken to clean
hands etc. Local Treat. Strong a/s applied
c. flat stick wrapped around with lint -
poultice & heat as ord. after 2 or 3 weeks.
of 2nd application use nitric oxide & v. painful

Cancrum Oris

Attacks cheek or mouth. Not common
ds. in Canada D. Campb. has only seen
one severe case: called gangrenous
stomatitis. Symp. Spitting gums & great
pain of breath. Cheek swollen red
patch. in center ^{dark foul gangr.} ulcer opposite this

Treatment of Cancrum Oris

as for Sloughing Phaged. Sloughs. ^{100. Mils. 1/2}
Int. Chl. Potass & Romain honey. Wash by
Caustics. Iodine. Iron wine beef tea. 100th &c.

Boil & Anthrax or Carbuncle

boil small collect. of pus. purple color
central slough of cellular text. Called Cox
frequently epidemic - slow in suppurating
boils ~~occur~~ in two conditions of body
1. In weak cachectic habits after fevers - Treat
Mineral acids. 2. In nourishing diet C.O.
Iron 100th 1 Potass Chlorate - in Comb. with
Porter. 2 May occur in phlebotomized patients
full blooded - diff. treatment - abstain purg.
Sig. Potass xx drops ter die Internel adm
istration of yeast.

Local treatment. If anthrax - paint with
Iodine, or use Nit. Arg. - Iod. - Sig. 3j to 3jss
or a few grs. of Potass Iod. add - or
Poultice. Occasionally aborted by early incisions
with knife - boil converted into cut or
abscess.

Anthrax eryth-boil usually in individ.
advanced in life flat painful dough
swelling - dusky or purplish in center.
b. slightly elevated - Circumscribed, may
be as large as cancer. In old persons &
especially in bad situations Anthrax
may prove fatal. Diets. unhealthily
pus Patient usually weak & out of
health. requires active treatment.

Treatment best criminal incision into
cellular structure beneath (& destroy
c. Canstru Potass) put patient under
Etheriform. Pull away slough as
rapidly as possible. Afterwards

of less to itself and man has many specimens
ulcer treated & emuls. of Bals. Peru.
Internal Treat. At first emetic & purg-
may be reqd. after Jones' time & stim-
ulants. & nourishing Broths.

Tumors

Dis^o or perverted nutrition - of capillary
tissues - morbid growths. Simple enlarge-
ment of part. Much of natural structure
or diseased conversion - as ~~but~~ foreign
to natural texture of body.

I Analogous or Homomorphous - those Resemb.
natural tissue. Contrary Heterologous
or heteromorphous - glands most frequent
sit^e grow rapidly in size. Any thing
which irritates tends to increase growth &
rapidity. grow quickly in proportion to size
Enlarge most frequently in depending pos.
Rest - low diet slowahan healing. Dimin-
ish activity of growth & rapidity of increase

* Division. (Alb. Smith). I Sarcomatous &
II Encysted. sarcomatous usually solid. No
real cyst. Encysted tumors enclosed in regular
Caps^e or sac. Contents pulpy - hard or
approx. salt. fluids of various colors
can have clots & hydatids.

I Simple or barren cyst II Compound or
proliferous or multiloculated. First
contain simple fluid of unorganized
matter. Latter & variety of growth & contain
organized matter. hence belong to 1st class.

I Innocent or venial II malignant
I benign Adenoma usually, II heterologous
(Tumors removed & also aplasia excision,
a & ligature causing gangrene)

Tumors. Compd located day. 7th Dec. 59.

Intubus a manath & absorption is of heterologs

Benign Tumors

best example.

simple sarcoma. vascular sarcoma - firm
solid mass. Suppl with blood vessels - flaccid
fluid in sacs. Cellular test: blood vessels
conc. simple outlast of gland as testis or
mammary glandular called gland² tumor
as hemocyst: gland increased & condensed.
When cut into smooth gland appear - yellow
or red color. pink cream or dark
Reddish in interior. Under microscope
fibrous & epithelial cells. of various
shapes oval lanceolate - some on surface
large & flat. Eat. smooth surf. with a
no pain - no fluctuation. Driest full
but connected with surrounding parts
no discolorⁿ of surface - going slowly &
steadily. Most cases also of pale
tumors.

Treat. Internally at 1st purgation
Hy & small doses of cantharides

Dr. Potass alum or c. herb Potass 3j

Potass Chlorat 3j. divided into 12 papers
2 a day in a little milk.

Uniod. Hy. Tumor ought to pressure
with 3j Dr. Potass to 300 water 3j
alcohol. Int. soaked in this &
applied on tumor. Resp

Light & nourishing diet & trials
attended to. Hy. These tumors tumor
may be dispersed. Principle arteries
have been tied - thyroid artery in
Brachiocele. Not v. successful
or excision if necessary

Fibrous Tumors

met with in cartilag. region. Sides of neck
Mamma. called fib. Cartilag. In uterus
called Desmoid Tumors. Skin like
ligament. sometimes seat of Calcareous
depos. Composed of filaments as seen by
microscope. Compact & firm, but when cut
into has small cells yellow or grey color
usually enclosed in capsule. Most dense
of all except Cartilag. Slow in growth &
not disposed for a while to become malignant
sometimes then becomes Cancer. Cysts
met @ about lalia - serous. This is
Fibrous not so hard & heavy as Schirrus
no pain - not attached to parts around -
often it has gone to certain size & stops

Treat. Removal by knife - if deep ph-
synges not understood. Recurs Fibroid

Recurring fibroid & malignant with same
lead. Used to recur after Kruppel
Tumor at ea. return and to become
more malignant - oak shaped cells.

Malignant Fibrous Tumor.

Resembles ad. fibroid tumor except of return &
tendency to multiplicat. Deep again.

Cartilag. Tumor. or Enchondromata.

occurs in Phalanges of fingers especially -
gets incorp. with bone - met with at head
of tibia. ^{in epiphysis of femur} of bone is mortu amputate
Cause also sp. of bone. If left to itself
it becomes osteosarcoma. Not malign.
unless in certain rule.

2nd form tends to soften & to recur again
cells of cartilag. v. beautiful (I) am just after pharynx.

Adipose Tumor. or Fatty Tumor

2nd Lipoma & Xanthelasma

1. Resembles ad. fat in flakes layer.

2. like tallow, in flakes - yellow in color.

Adipose or Fatty Tumors

fat like the fat of the

Lipoma Dupu yellow than common fat - soft
These tumors contain in the capsule slight
attached. no pain. met with a fat and
may occur in several places No. 1. Dr. J. P.
to become large. occasional enormous
lump wt. & pressure - grows to very large
size largest of all - now weighed 50 lb.
Treat. abscpt. & Press. & friction of no effect.

Brodie's thick lig. Potassa useful for
Removal best. sometimes narrow neck & lig
employed. Capsule hardly seen sticks to
tumor. After no bleeding
One tumor 120 lb man (Chinese) weighed 110.
Man died. Tumor weighing 50 lb was successf.
removed & Pel Popu. Cyst. can be left behind

Cystic Tumor. or Cellular Sarcoma
unilocular or multilocular. Contents
fluid or viscid & glary or cheesy -
Color generally yellow or purple
occupies glands of neck - anther - testis.
occurs under integts of trunk.

Recogd. of impus. fluctuati. & feel.

Treat. for limited ext. can be removed.
can be removed. may acquire great size
& become large
occurs cysts of hyaline origin

Comp. Review

Thursday Holiday. Friday. August 1st.

Stroms Tumors.

Polyipi & Warts.

Cancer - Schirrus Encephalov Gliov Malignant.
Epithelial.

Neuromatous Tumors about size of pea -
pain sometimes periodic - more freely is
situated in trunk of nerve. immediately
under the skin: cut it out except when on
end of stump.

Nervous Tumors frequently attack stump after
amputation in such a case can hardly be
removed but when they attack the nerve
of the extremities the nerve must be cut
through & the tumor cut out.

Polypi & Warts. The common mucous polyp
is of light color - smooth & soft & pea shaped
with a pedicel - don't tend to become malign-
ant. When malign. will be described in
surgery of the nose. Polypi not vascular, not
painful - little bleeding after extraction.

Polypi of pharynx structure found at the

Treat. of Polypi. Extract by lig. a few caps.

Warts. may be removed by strong actinic acid.

Cut off & removed & ligature. On face apt
to become malignant. & shd be cut out.
Warts removed by Dr. Ferri. Green Powder.

Hard Cancer malign. Tumors classed
under this head. of heterologous structure,
& varieties. Affect mighty parts. about
system & whole constitution.

Dur'd. 2. stages. Induration & ulceration.

Firm & v. hard. When cut into found inter-

sected of numerous buds. has cancer

cells oblong - not ant. Indurated, filled with
brown pulpy mass. & large nucleus in cells
walls v. thin. Does not tend to extend in
early stages. Not afterwards does.

Symp. Pain on handling hardful. puckering of
skin on tumor & brown color. Diagnosis assisted
by attending to age of patient. Divided into
acute & chronic. latter true type of disease.
former like soft cancer.

Cancer seldom afflicts persons under mid-
age. Attacks women - head, & uteri -
affects glandular system. Sympathetic
temperament more liable to Cancer.
Cancers sometimes follow Mors - some
times comes on without any existing
Cause. Hereditary. It spreads attachment to
skin above & muscle below - the supply
is retarded - very heavy in proportion to its
size. The Chronic Kind causes general
enlargement of part - grows in
aggravating pains. A false abscess is
formed in centre of the mass.

The edges of cancerous ulcers are hard
dischy. profuse blood, & fetid. Hard
Cancer may degenerate to Soft.

Pain severe & shooting. Hemorrhage
frequently takes place. Nausea.
Comes on with loss of weakness of pulse
& death occurs suddenly. Some Char
might have been expelled.

Acute Cancer runs its course in a
few months. When it attacks
lips begins with small tubercle wh.
soon ulcerates. Sometimes small
Cancer of lower lip is true Cancer
& not of epithelial variety
bone becomes very fragile & breaks with
slight cause.

Cancer Cause The whole history of Cancer tends to show that it is constitutional.

Treatment It must be regarded as inoperable except when it can be removed by knife. & it is then very liable to return. When a cancer appears no time should be lost in extirpating it. A late operation when system has become contaminated is worse than useless. Operations should not be performed when there is suspicion of internal Cancer.

Dr. Holmes's last lecture
on the Practice of Medicine
Friday, April 20th 1860.

Rypts disease contd
during progress. Secondary symptoms
dropsy. Sometimes other diseases occur
without dropsy. Bronchitis often
depends on albumenuria.
disorder of stomach retching &
vomiting inflame of gastro oesoph^{agus}
surface various symptoms
disturbed sleep dyspepsia
nausea.

werey fulings. Pleurisy or pericarditis &
Pneumonia often met c. various dis.
of heart & arteries met c. And
Embolic urea. & also as violent
Central affections are very fulings of
various kinds or dis may end in
apoplexy. Apoplectic state often comes on
death from coma.

Draperes ought for no urine.
but the cases in wh. all. in urine
may, not the Bright dis. but if all.
constant or common present
may be, fully due that pericarditis
comes from it. See S. G. Small and.

lucanata. Not always all met always
present in urine diseases (end of con-
plaint. Contracted kidney. all. may be
different in latter case. Dr Bright made

3 forms of dis kidney. Barlow gives 6
forms of Br dis kidney. 1st kidney is
large swollen dark. active con-
gestion is that state usually met c.

when persons have been severely
exposed to cold & after scarlet fever
and the end 2nd when kidney is white
and polished & smooth & small sized.

small when catarrh non-inflamed and
is large white kidney a 3rd form mottled
this mottled kidney thought inter-
mediate between 2nd & 3rd kidney.

4. Some are like 2nd but diff

look actually tubular but filled up & phlegm
exudation. is a metamorphosis of structure
of kidney new sub. of phlegm nature. when
this kidney is cut it is smooth uniform, homo-
geneous 5 grain continuation of large phlegm kidney
as it occurs in ~~arteries~~ & liver. 5 Hard or
granulation in contracted kidney. Result of former
one when kidney curved into phlegm tissue.

6. Depends on passive congestion. if there is
imped. to circulation thro' heart & liver, imped.
to circulation in liver. kidney in this state
exhibits app. of coarse kidney. - urine may
be scanty or loaded & dull. albumen
in white. in granulation contracted kidney altho'
a much amount may be albumenous.

D. Johnson 2 forms. one case of active congestion
as when man exposed to cold after being heated.
kidney in state of congestion or inflam. epithelium
of small tubes is rapidly washed off & urine
is disgranulation inflam. of kidney. more
common form is fatty degeneration of kidney.
Johnson's opinion rejected & must admit. not
am supposed that fatty matter of any great
importance

Treatment. not very satisfactory at one time
that constantly fatal but numerous cases have
been cured. In acute form. Heat or cup locally
or leech emollient applications as in common
nephritis. afflu. purgatives very proper.

By attention to these circumstances. then
action attacks will be relieved. after
more often relieved

Chronic if much pain may cup -
lancet. In this disease but best
is to relieve distress.

as ad magis dropy. Diuretics ~~not~~ may be used as
digitalis - Purgations used. one of best is Ros.
3gr in course of day. And some urine.
When benefit is derived from it when urine is
deprived of all for some time & menses good
when dropsy more evident. digitalis given.
Hg. not used, as salivator very apt to
occur. in moderate doses. Hg. may not
be injudicious means of relief. when patient
pale & menses difficult. then recommended as Barlow
recommends Zinc instead. Astringents may be
given.

Coma. may come on. chiefly same means
as in other cause. may have bilious & jaundice
& deaf dumbness.

Diabetes Mellitus. slow & gradual in coming on
turbid in l. amt. & sweat - frequent desire to urinate
water & large amt. Thirst. Urine consp. skin
harsh & dry. weakness & dull pain in back &
loins, weakness, more loss, & more dyspepsia
appetite very great. peculiar smoky exhalation. little appetite.
Tubercles very common in this disease
urine pale yellow - green - little fresh has a
fresh smell. amt. of sugar varies. large amount
amt. of urine large 30 12. 14. 40 pounds
but say very high in diabetes olden blow 1025.
But may be 1055. & an average 1040.
Large amt. of solid matter in urine. Sugar is
glucose or grape sugar. Sympt. very variable. generally
chronic, but may cause death very soon
very little foundation. Death. Nature of disease
is more undulation. referred to various
Causes. Question

Monday 13th Dec^r

Schirrous. Carcinoma

Some Cancer may be considered incurable except by entire removal & that not always followed by attempted with permanent benefit - or by destruction Remedies which have been used.

Conium maculatum - atropine - Belladonna - weak solutions of Arsenic 3j Fowler's Sol 3j H₂O. Hyphosph. lime - Iron - Mur. Baytes. Iodine internally & externally. Small doses of Arsenic.

☉ Hg or with Iodine or with both
Weak solutions of Opium lead & Opium.

Solutions of Chlorine. Lime & Acid.

If knife not used employ Arsenical Caustic or Chloride Lime better mixed to D.C. ☉ Flour or Plaster Paris - 2 or 3 pts - Musten ☉ H₂O. make a paste & apply - this hole in plaster - 4 inch.

Left on in epithelial Cancer 4 hours. 8 hours penetrate an inch in depth. Freeze part snow & salt - during application of Caustic will deaden pain for 3 or 4 hours.

Knife most effectual. Ligatures rarely admissible. As general rule Surgeons don't operate when glands are affected.

Extension of dis. to glands lessens chance of cure - gland attacked before creature is well treated. In acute cancer.

chance of success very slight. In operating dissect widely - cut it whole again away. as Cervix or Mamma.

Schirri may be removed by cold & application of leeches. (Schirrus in breast)

In young Cancer grows rapidly. Average duration of life 4 yrs. 2 47. Cases secondary cancer a that which occurs after removal of 1st not so dreadfully painful as 1st.

Soft Cancer. Medullary. Sarcoma. Encephaloid
Cephaloma. Fungus Hematodes. - Carcinoma medullary
like outg. of brain. Occurs in masses
fine-meshed partitions. Varies
in color. Light red - dark red.
may occur in any tissue
most frequently in testis liver eye mamma
subcutaneous. cellular tissue
lymphatic glands lungs brain.

Not to be confused. Hard Cancer grows along
absorbed. Soft Cancer occurs usually
in young people. Hard Cancer occurs fr.
45 to 50.

Soft cancer recog^d by soft feel.
Schwann in many cases has shown in
growth. Soft Cancer exists rarely
beyond two years. In deep seated
parts makes its way to surface
pain + anath - slow or v. lit.
Microscop. Cells like hard Cancer -
non-fluid like fibrous texture.
This arrested growth after it has reached a
certain size leads to open - skin
becomes blue + adherent.

Treatment. Only chance remove tumor as
early as possible.

Melanosis ^{animals} Hard Black Cancer in old people -
insect-like pigmentation nigrum. of various sizes
Common in liver in birds. frequently associated
with Cancer. when Carcinoma makes same
progress as other cancers. discharge of black
matter.

Alveolar Cancer or Colloid

attacks internal organs - gelatinous

Cancer. sub. lth. pte. nearly in breast
bones & testicles - both other vasc. &
diseases. Sublana loaded & Cancer
cells. Demand on my treat ment as
othr cancer. cells of l. size often. Same treat
Wednes day 14th Dec^r 1859.

Epithelial Cancer

Commences a small tubercle with little ulcer.
not c. in lower lip. - scrotum - prepuce - labia
nippa cervix uteri. Tongue. rectum. in mucous
membr. - Slow in progress - intract ulcer of
c. hard caps pain - Contaminated glands &
induces cachexia, do not offer affect
internal organs.

Cures of scales - cells of vacuary shape
when 1st noticed improved to integ. elements slightly
Microscop. too too small in diam epithelial cells
superf. in mark scap - old more like bit-
lower lip especially - this one to short pipe.
Common healthy one in lower lip or jaw if
irritated may become genuine cancer when
patient gets old.

Treat. Excision or destruction by Caustic.
cut wide in dis. Chl. Zinc not Caustic.
Chloride Zinc to Canada Wood root 1. Fluor 2
parts - made into paste & applied usual
way Causes dryness.

Lupus - Soli me tangere Rodent Ulcer.
~~exedens~~ (or non exedens)
not c. in face usually. near eye nose -
a near eye. Tubercle flat - dark - seen as
if cut in and only imbedded

Said dark shiny shaggy irregular like Phary
skin not thickened - v. little pain
absence of sleep - slow progress - stationary
may be curd c. thin dark colored skin
When ulcer has opened in cheek. discharging
from cancer by little pain - unaffected glands.
Superior in cancer in not contaminating
system & not affecting Abdoments.

Treatment of Lupus.

Arsen. or As. $\frac{1}{4}$ gr. $\frac{1}{4}$ gr. Iod. As. Bin Iod. $\frac{1}{2}$
Iod Arsen $\frac{1}{2}$ gr. $\frac{1}{4}$ gr. Pulver $\frac{1}{2}$ gr. a Donovan's
solution difficult to prepare this - not always
depend on. Fowler's solution 5 or 6 drops.
Bichlorid $\frac{1}{2}$ gr. Iod. Potass. together.
If tumor is small cut it out.
If broad & flat employ Chlorid Zinc
paste. $\frac{3}{4}$ Iod. to $\frac{3}{4}$ Iod.
Potass a poult. Vienna Paste. Plaster.
Am. Calce.

Fungous Cancer in old people

usually on cheek are melan lines. like button
when cut into solid white not v. hard with
defined margin. more globular. insular.
compressed looking more elevated less thick
like puckered few vessels on surface ^{than} ~~the~~ Cancer
better formed than medullary.
benign stalk may long time. grows
as large as nut - thick ulcerates.
granulation from surface. extends on
surface. pus - no slough or fetor -
after bursting grows rapidly - grows to
a considerable size before character is altered.
tumor may be destroyed. In malignant
fibrous cancer & lupus.

Treat. Removal. never unsuccessful
if performed early.

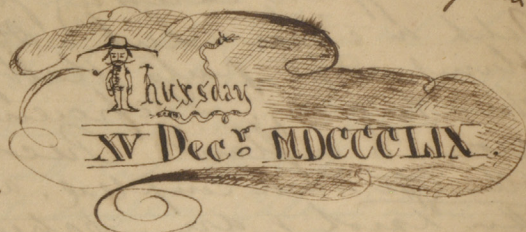
Scrofulous Sarcoma. Struma.

King's Evil. usually in fair complexion.
light all over - large blue eyes.
always v. white dilated pupils. tenderness
of glands in most cases.

In most cases thickening of upper lip, skin
fine & difficult. hair more or less
than suffused causing p. bluish. Leuk.
Patch on either cheek. Scapulars often
plump. - soft parts flabby. Hoarf
shunk away. Deficiency of stamina
prone to inflammation. Precocious children
often (the dark complex. among Aelans.
skin harsh & dry. patient and silent
but sluggish. Functions of brain slow.
Nervous energies full. - Hereditary
and must culam daint.
Affairs modified by circumstances.
Deficient food. Sickly during gestat.
Cold & rheumatism. Cutaneous erup-
tions, eczematous. Repeated Syph.
disease. & abuse of Wh. frequent cause
Scapula exhibits diff. appearances
Tuberculosis. in Scapulars abscesses.
Deposited in rounded masses Tubercle
Two kinds - 1 grey & 1 yellow. " size of small
pearl or hen's egg. after 25 External seeds. not.
often seen. Females more disposed than
males. In skin various eruptions & ulcers
can form. glands on back of neck &
under jaw. glandular enlargement. &
often hardens. As dis. proceeds pain
of glands become & putres with this matter
Drains apt to occur. Tumors (Scap)
may remain long time latent. but
become softened & firm. Synovial mem.
of joints affected in scap. Cancellated
at ends of bones. Cartilages. Scapula in
bodies of vertebrae get softened. Abscesses
of matter from Psoas or lumbar abscess
formed. Serous membranes
affected.

Tuberculum Phthisis v. Common when in
other parts - always in lungs generally.
Scrophulous inflammation. more inward - wants pain

Treatment of Scrophula



Diet into preventive & curative. Particular attent.
segs to prevent dis. plain wholesome diet -
not too much animal food - exercise - walk
ventilated & moderately warm rooms. change of
air & residence near sea-coast.
Alt. doses. of fer powder. better Infus.
Umi of Iron & Mu. F. of Iron & Linnæi.
Decr. Larva $\leq$ nos. Hg given in a
small dose $\frac{1}{4}$ gr. potiod. Hg. full action of Hg
avoided guard against irritation. Locally.
Indic. Blisters. Muriatic Ammonia - Camp.
Mercurial oint. with Potass. Indic. lead
dressing modes of treat ment best
gentle pressure. Compress. $\frac{3}{4}$ Ind. Potass.
in 7 & 8 Hd. $\frac{3}{4}$ alcohol. precipit of limt
draped in this laid over tumor or spring
lins. If painful suspend pressure appl
leeches. & return again to pressure.
Indic. Coal L. oil. given suspended when it
disappears - given an hour after meals.
tea of persulph to child tea in die
Ind. Ferri. Hypophosph. lime. superphosph
Hypophosph. lime Inda Magnesia &c.
Large scrophulous glands ought
not to be dissected out - suppuration off
Causidic Potass. Paint $\leq$ Ind.
Very Chronic. Bimod. Hg best

Encysted Tumors. Wens

Cysts a sac texture varies usually round.
no pain unless inflamed. 2 pt. by a cyst &
simplified a solid. 3 kinds I. Molluscum
II. Altharoma III. Skatoma III. Most common.
about scalp especially of all sizes - pea &
walnut. generally under skin. Skatoma.
tumors in head very tough cysts. Encysted
tumors that were originalls of glaucous
follicles. but exist in Testich. Encysted tumors
b. range alond. generally remain stationary
unless certain open & suppurate - & find
after remains - fibrous brown growth - from
by a sac.

Treat. Excision of cyst act. divide tumor
& put out contents & destroy pt with Caustic
a hot. ant method. make incision in
skin & turn tumor out. if any part of bag
left. it will be reproduced. 2 eyelids -
puncture pres out & destroy sacs with Caustic
on solid tumors all find nature tumor
if necessary explore. If tumor operates if
puncture is made - all tumors when inflam
apt to become unhealthy & mischievous
in operating make incisions in line of
muscular fibres. In forehead make incisions
transversely to line of muscular fibre in
bushes. External incision to free common
lobe blood vessels enter tumor. & tie or
compress blood vessels. In malignant tumor
cut down first tumor make hair enough.
In benign tumor remove tumor tumor
itself

Surgery of Blood Vessels

Division of blood vessels carried on of vasa vasorum

Arteries Aorta & pulmonary artery diff. branches of aorta anastomose prof. pulmonary artery remains separate. Coats of pulmonary v. rare sent of organic change

Artery 3 Coats (1) exter. arteriosclerotic or cellular coat (2) mid thin, a muscular (3) Inte. or serous.

1. Very dense cellular struct. load. with fat. great resist. v. strong & tough when lig. applied

2. Adventitia Coat thickened into 3. Circul + long fibres, strong texture deep yellow color. not like voluntary muscles. Cones in structure - more elastic - like heart & intest. Cannot in structure: v. elastic & resilient. Elastic prop. tends to keep it of suff. size. If aneurism led to death Arteries smaller at 1st than they are a few hours after - when Elastic Coat at. is more vital resumes its activity.

3. Int. Coat thin smooth semitransparent. v. little easily torn. not possessed of hard vessels carrying red blood. Lines of transverse carrying red blood. Called serous coat, Mucosip. 6 Coats. arteriosclerotic. Mid coat 3. yellow phosphor - long phosphor - arteriosclerotic phosphor (Sclerotic Coat a long phosphor) Serous Epithelial. Stratified or plexiform layer & Epith. next hard. 3 Coats in practice.

Arteries surrounded by sheath. round & nerve arteriosclerotic. Minut phosphor given of wh. diff into coat of arteries.

Int. Cont. more only to inflame ex. effus. of lymph
prod. of local inflat. as pressure - wounds - ligals
Inflamⁿ may be partial - arteritis

Arteritis Sympt vary. only partial that
surgeons have to do with. sometimes like
suppurating phlebitis - pyemia - but about
abscesses established in various pts of body
generally arteritis phlegmonous - but stage of abscess
like common Rheumatism. when limited to limb.
Patient after sign of increase in pulse rate
frequently no external appearance. Symp.
often refers Rheumatic pain. Interrupt. to
Circulation admet. limb cold & numb.
Action means applied Inflam induced
but remedy. Treat, local bleeding. Int.

Op. & Cal. part attended to it. having clothing
granted. if gangrene occurs. amputate.
Arteritis may be local cause abscessing.
phlegmonous abscess. & vessel closed when
of higher grade suppuration may follow.
Large arteries occasionally attacked by
ulceration. Arteries liable to Suppuration
between coats. & within canal formed
fornate cysts.

Atherosclerosis & Scleromatous matter
formed between layers. gross - fatty matter
change that due to chronic arteritis
Calcareous or ossific deposits very
common. If gangrene ensues in Arteritis
amputate as high up as possible.

Arterial Hemorrhage

Friday 16th Dec. 1859.

requires prompt knowledge of Anatomy.
Blood flows with great force, fr. arteries in
jets. - When artery is wounded blood issues
& force proportionate to size of artery.
Hemorrhage ceases flowing from arteries - by
retraction - within its sheath - blood coagulated
into surrounding cellular membr. Coag-
formed on outside & then on interior of
vessel - crucial & adheres to artery by
base merely. but also on fri of cord
artery, lymph drawn out wh. hardens
artery, constricts up to point cut back
When artery is prevented from retracting
by being tied, retained by adhesion or
from not being cut across. Tendency
in children for kind Complication -
Frequent recidivus

Hemorrhage 1 Primary - 2 Secondary.

1. Same for 24 hours. ^{generally in 24 hours} 2. After this period
may take place 24 day.

Means for arresting hemorrhage.

3. Ligature. pressure & styptic.

Tourniquet. instrument for arresting
bleeding & compressing artery ^{Ribon's} Sheps
3 kinds - belt & screw. base short -
Tourniquet also useful for compressing
arteries in aneurisms Ribon's
compressor apt slip. 1st & 2nd are cause
crispish & heavy. not to be retained long
in ordinary amputations Corns men Tourniquet
answers perfectly. Temporary means of
arresting bleeding.

Ligature, has lig small round - strong with
line well waxed draw artery fr. bed & incl.
nothing in lig. but artery itself - be careful
of veins & nerves. If near vessel part
paralyzed. If v. small, phlebotomy apt to be caused
lig. applied to cut thro middle & internal coat
Tena culum a dissecting forceps to seize artery
When artery pinned 2 lig. applied, one to
distal, one to cardiac, in case of anastomosis
distal end is difficultly pinned -

In wounds secure both ends. partic-
in foot & hands. If artery is partially
divided pass probe & apply 2 ligatures.
If necessary to cut an artery dilate
original wound. Not good to disturb artery
by much apt to cause 2nd bleeding into
If you cut down, put probe down into
the wound - after blood is arrested by pressure
& cut down upon probe. If possible dilate
original wound.

Compression applied directly to wound.
not used in 1st class artery - but radial -
gradual compression. 1st apply tourniquet
until for bleeding point - apply lint.
ligature preferred when possible - In head
pressure good - take lint & fill up wound
above $\frac{1}{4}$ inch above injury. an inverted cone
shape of lint - apply firm bandage & piece of
copper or lead. Bandage whole limb, fingers
& thumbs separate & solder on all - tight
bandage esp. in case of wound in hand -
palmar arch for middle called graduated
compression - not object - excites suppuration &
inflammⁿ - but compress thrown out after
artery is healed. Pressure useful in large
arteries. Sponge used on principle of
distending canthar - available in canthar
from alk. then is hemostatic out otherwise
on only small arteries. In nasal
bleeding learn sponge test. 6 to 60 hours.

Styptics used when vessels are dist.
Fr. Ferri. Crescoto. Trini Fr. Kryosh. Linct.
& actual cautery. linc. & nit. arg. & r

Fr. Mus. Ferri of least last Fr. Ferri linc.
Styptic of Brown. Due to pressure - Amadoc -
think. inner bark of oak, spongy subst.
owns its virtue to pressure.
Styptics not much used now except
nit. arg. red hot ^{a white hot} ~~arteries~~ worn - (in gangrene)

Fr. Mus. Ferri -
(Torsion) affords ranning - when artery small
draw it out & twist it around 5 or 6 times
a portion twisted in l. arteries. (Object -
Secondary, hemorrhage apt to occur -
(advantage - left wound to heal by primary
union - ligatures separate in 15 or 16 days
by suppuration. Fainting occurs. Conf.
but reaction apt to reproduce. if aneurysm
& pressure may recur at this time.
by ligature - 2 - h may come on in 3.
days but may make

Constit. Low diet cold. Opium. Signs
of lead - Digitalis - Acute - If possible
tie artery higher up. Exposure of
wound to cold air in dry form
of 2 hemms. wet with ice water.
If wounds grow get to it. Elong
limb. Upon venous return &
apply cold water vice. If bleed
is not in jets. heads can't be of
any magnitude

Transfusion of blood
Dermes used. Artery lining blood

head laid down low - external iliacs
stopped in midline, bleeding apt to
occur. lay head low - as body - & from
supply of blood to brain. death from
syncope. Aorta may be compressed to
left of umbilic. From Brachial Compression
in arm - a anilla. In this way blood
sent to trunk & head & syncope
prevented - time & other info. will prod.
Change in letter.

Tuesday / 20th Dec^r 1859

Aneurisms pulsating tumor on course of
artery - communicating - intr. of artery & cont. blood.
True & false. 1 Result of disease 2 Injury
from with art. First formed from within -
from coats of artery. ulcerat. of one of coats
from within. one or more coats outside.
False aneurism all coats dried? Arterial Cont.
not incl. - usually partials. but may
involve whole tube in aorta - calcified form.
2. A. may be formed by dilatation &
rupture. outer tissue forming cyst. True A.
often proof of rupture could with decomp.
atmos. degeneration - Dr. diff. may be.
False A. o often diffuse. In false an.
cyst not compd of any of Art. coats often
found at bend of arm. or abscess may
form at end of artery. Great diff.
True A. result of dis. in arterial tissue.
False not - may be ligd. at site of tumor
itself - True A. always limited at pt.
False A. frequently diffused at pts.
True A. may become diffuse. False
frequently diffused and is caused by
infiltration of surrounding tissues

True Aneurism

Set. internally & externally - in cavity of chest & abdomen & on limbs.

Symptoms. 3 stages. Popliteal ab.
Small tumor pulsating & shrinks at first.
tumor shrinks & pressure returns again. No
change of color in skin. No pain. No alter-
ation in limb. Cramps at night in limb.
Limb down. Pulsation. decrease of pressure
on cardiac side, increase on distal side.
Thick to feel & hard to hear.

2. Coat of artery thickened - pulsations are
weaker, become yet thicker. Pressure par-
tially extinguished - Pain may be felt in
limb below from pressure - numbness.

3. Aneurism large - adema beneath -
pulsation of a. almost gone - but at
part opposite opening when blood is
plunged

skin pale & thin. If aneurism limited a
joint motion interrupted. C. Artery's pulsation
Limb down. Decumbent. Skin gets dark.
hemorrhage. At first bleeding small but
as eschar enlarges more hemorrhage.
Patient dis p. lms of blood.

Diagnosis of Aneurism. Conf. $\in$ Chronic
Abscess. Artery broken & blood pulsates.
Aneurism soft at pt. abscess hard at
pt. Aneurism disappears on pressure
not so Abscess. In Abscess no lateral
pulsation. Compression ^{above} diminishes aneurism
does not affect abscess. Only thick in
abscess - no limit.

When Aorta found of surrounding parts.

Aorta v. subject to aneurism. 3.

Aneurism. 2. Dilatable off. but all aorta not incl.
3 When internal coat protrudes

The A. of Aorta usually one sided. and at
Cerv. men. generally in greater Curvature of
Arch.

Symptoms of Aneurism of aorta.

Somewhat ambiguous. When An. is in the
ascend. & part. of Arch. tumor at sternal
extremity of Clavich cith. rt & left.

Sound heard by stethoscope. unaccompanied
of aortic Sphermans & pulse at wrist.

Usually throb at same time. before operating
for external aneurism. examine heart.
& for internal aneurism.

External aneurism in Popliteal space
is usually only local.

Age 30 to 50. When Aneurism occurs.

More common in male sup 5 to 1. in
proport to external aneurisms. Found
not subject to external aneurisms.

Large size of vessels. Subject to Aneurism
near heart. Curvature of Arteries frequent
Cause. As in popliteal Aneurisms. Met
with in Porters & Caval Soldiers. 2
persons who mount ladders.

Chronic inflam. followed by structural
degeneration of coat of artery. frequent
cause of true aneurism.

Degeneration between inter. & ext. coat
sclerous coat

Artery becomes inflamed. effusion
accumulates along or within of

of inner & outer coat. arterial sheath
in Cellulum around artery gets
glued to vessel & effusion of lymph.
escape of blood prevented. Pleura may form
pouch of aneurism - pleura - costal muscles
Radial muscles & finally skin itself.

Prognosis of aneurism.
If left to itself usually fatal by
effusion of blood. Same in internal
or rupture aneurisms.

Internal aneurisms prognosis v. unfavourable.
Prognosis of external aneurisms
if more than one - unfavourable.

Says the aneurism more tedious
& uncertain treatment.

When aneurism is external - surgery -
patient otherwise in good health
prognosis favourable.

Aneurisms sometimes undergo
Spontaneous Cure. Lamellated fibrin
artery gets imperious by clapping up of
artery. When Thrombus gets solid & absorption
goes on. Compression produces same
effect. Cause unknown. In a belly Cooper's
Case. Aneurism may be attacked with
suppuration & form gangrene & shut up
artery.

{ Wednesday 21st Dec.

Treatment.

Indicate diminished force of blood in one or cut
it off altogether - Med. Treat. Whatever
relaxes action of heart - dry diet - avoid
meat & spirit liquors. Moderate Deplet.
one in a long while by leeches or small
bleedings. Attention to distant secreting
fluids in recumbent position again.

Digitals, Aconite & Belladonna, Acet. Lead
+ Opium most trusted to. D. Colchicum
may be useful. Acet. Lead useful from prop.
of Lead in producing phlebotomy.

Surgical Treatment of Aneurisms
Ligature & Compression. Artery after absp.
has taken place contracts up to first lateral
branch.

1st Make free division of skin & not to
include nerves & veins in lig. (3) Not to
disturb Artery much: or dissect away.
Always avoid including sheath of artery
in ligature. Int. & middle Gts. ought to
be cut thro' in long lig. Separation. Rest
by hand & press. off pul. habit. Blood
seen pul. at lig. until it is detached.

after lig. of subclav. a Carotid Mod.
bleeding is often admissable. Two lig. may
be used & artery divided between: but single
ligature sufficient at carotid end.
In winter can live with flannel.

Gangrene - hemorrhage - suppuration
may occur

Hemorrhage may occur when ligature separates
4 to 20 days after operation.

Pressure may correct it. Tr. Ferri & pressure
if it occurs @ Great free from Carotid
side artery must be tied higher up
without delay. Suppuration not so.

scars - matter that excretes as soon
as possible. Aneurism at left Carotid
tied at distal end. applied to wound -
matters left: success very doubtful.

Aneurism of innom. healed by lig. of subclavian
stagnation prod^d an aneurism, by stopping of the
arterial blood.

Modern Treatment of Aneurism

By Compression performed at some distance from tumor - induces moderate flow of blood in aneurism. Instruments for treat. of Popliteal Aneurism: Compressor.

First lighten after the pain is complained of. 2nd Instr. used

always lighten 2nd before you slacken first. pulse blow may not be entirely obliterated. Filicillation of contents of aneurism desired. Rubbed. It is useful to lengthen parts. in Compressed Sp. hot heat. in popliteal Aneurism. If filine used ligature.

Aneurismal Varix. Aneurism may be injected with Tr. Ferri - a galvanism - used & heat. Manipulation. latter ^{always} not useful.

Aneurismal Varix

Vein may become pulsating tumor: limbs oedematous beneath. frequently at bend of arm. by bleeding - the time wasting of limb. One may be interposed between artery & vein called varicose aneurism. Compression & adage up from fingers. If operat. req. apply ligature.

Admay, false aneurism at arm may be treated by cutting into sac & tie artery above & below wound.

Last Lecture for 1859 Tuesday 22nd Dec

Aneurysm by Anastomosis:

Arts & Veins prolaps when cut into or ulcer-
Cylinders of small arteries opening into
cells: or diseased morbid cellular
structure. Morbid erectile tissue -
as nipple-pearl, Clitoris. Then tumors
now known like more dilatation of cells
called Navi. - Aneur.

Hæm. maternus & sulcataneus, hæm.
aneur. purple & blue color - swelling
Arts - Can be emptied but blood
returns - What increases ^{flow} blood of
pili up

At birth aneur. & anast. more spec-
but grows rapidly.

Reasons of periodic discharge of blood
in femoral - occasion & treatment.

Met & on scalp face neck upper
pt of back - rarely on hands & feet

Treatment. Never left to itself

Excision might not to be attempted.

In young children disease cured by
vaccine lymph - this with part of
liver size of small cherry.

Compression. of tumor is one mode

Several sclas thro' or here with tumor

Cords remain till suppuration is
established & tumor begins to sink.

Drainage cauterized & then mild

may be employed in children a
month old. Tumor may be emptied

with Dr. Mearns' Ferric. a cord moistened
with it. Double ligature

Ligatures applied in various ways to
shrinken tumor.

Red hot iron may b. introd.
Superficial naevus a baying mark.
Mother's mark. Compared to mere
surface of cutis, no swelling a thick
net: in face - upper pt of trunk
head. Always Cystic. May
be mere point or speck. Acute
ulcers & Ulcers shelly.

Superficial naevus may remain for life
Treat. If small destroyed by No
If a catenae in paint with Iodine.

Sulcutaneous naevus
Cystic. at birth bulky doughy &
wants pulsation. depends on enlargement
of veins sometimes ulcerates.
& Ulcers prof. More amenable to
treatment.

Diseases of Veins

Veins more numerous & capacious than
arteries. Coats of veins resemble those
of arteries. Minute blood vessels &
nervous filaments run into veins.
Coats of arteries impreg. Coats of veins
not. Wounds of veins easily controlled
Hemorrhage from vein stopped easily
by Compression. Capillaries branch
from arteries terminate into veins.
Veins prone to inflammation

Phlebitis

Local effort redness & thickening of
veins after suppuration in inter
chain of abscesses in track of vessel

a lymph effused. veins inflame & irritation
of various kinds. When inflamed. takes
place in veins of arms may extend
up to heart

i Fibrinous. ii Suppurative. latter divided
in limited & diffuse

Pain v. oppressive & sickening

Few of infl. type. lower limbs v. often
attacked. limbs more or less swollen.

Phlegmasia dolens - fibrinous
phlebitis. When suppurative Phleb. is
limited abscesses formed - phlegmon,
dykes formed, etc. present.

Whole limb adenotons.

When suppurative Phlebitis is limited
local inflammation same as any other.

When diffuse pyemia. pulse rapid
respiration do - tongue brown. thirst &

nausea oppress at present. strength
diminished spirit drop frequent &

severe signs. frequent sighing -
moaning paroxysms. of depressed

breathing. Dis. advances to fatal

termination in a week. In Phlebitis
puriform in dist. parts - lungs liver
heart pancreas. or joints purulent
deposits formed dis. fatal.

Causes. Application of ligature.

neighboring inflamed wounds that
do not heal & purulent urine

Ligatures of veins now discarded
When wound of vein doesn't heal
Primary union - great risk of its
spreading & bad lancet of the causes
Phlebitis - many am to some after.
Heeding. Suck leg 2 or 3 weeks
after confinement due to pressure
of clots & uterine veins.

Treat. Fibrin, Leeches, Rest.
Cal. Ant. Acute
When limited & suppurate^{ten} Early peris
pneumonia.

Diffuse Phlebitis very frequent & often
fatal. Carb. Am. Stimulant
Opium. Cal. Phos. Ant. Lead & Op.
Leeches applied over vein when it is
aimed at. Phlebitis comes on after
amputation & often: Thrombosis frequent
Clotting of veins. Dyspnea. Shivering
yellow skin cutty. Heath heaves
swelling of limbs - accumulation of
pus in lungs &c. 2nd Abscesses
Pyemia usually fatal.

Treat of pyemia Sedation &
Supporting. Keep up secretions.
Broths. skin &c.
When vein is cut across - pressure
necessary. When vein completely

diminished. it heals over completely.

{ First Lecture after Holidays
Univ. Examⁿ. Tuesday Jan'y. 10th 1860 }

Varix. varicellae - dilated. thickened knotted
may be prod^d by simple distention - or septa
may be formed in virus. in wh. fluid coagulates.
Reasons differing & creating in part
various pain. part leads to ulceration.
numbness, swelling & adhesion.

Saphena & all its branches. Permeated
& hemorrhoidal virus. health to it
cause pressure.

Treatment. Remove causing Cause -
prevent compression. Pressure - elastics
bandages & dry application of cold H₂O.
Slant bandage may be tried.
after rest - late stocking worn
afterwards palliative treat^t but
usually for varicellae virus in legs.
late stockings useful.

When ulceration & hemorrhage proceed
to obliterate vein: ligature used to be
employed - but not now employed.
May enter treatment of caustic -
Potash fusa & quick lime, moistened
with alcohol. Division made near st
Cuts of vein: slough part filled with
paste, stitching procured the rest.

In 10 days rough separates. & shall
after part, created. low diet &
aperient.

Twisted Inture. use Cornman during
necks gilt - & pass under skin. put
it out of troupe above ^{to almy} skin 1/8 Satire.
If inflame. Come on with draw needs
use leeches & fomentations.

Actual cautery used in India.

In great majority of treatment
lase stockings used.

Entrance of Air into Veins

In dissecting out tumors in axilla
a in aris of neck. air leak to enter
when person inspires.

Enchoen think death is from syncope

In external jug. an in it. an inch of
heart: ^{1 left & 1 right} both ~~word~~ divide into lungs

Creat. husband Compres, ideas &
rachials. If air small in quantity
no great trouble, but if large artificial
respiration may be reqd.
Formerly in the great pain offered him
often aborted an.

Contusions or Bruises.

1. Contusion; no break of surface
Rupture of minute blood vessels app for
swelling. Ecchymosis: Cause of injection
of blood into cellular substance.
Bruise upset over time - as inflammation increases. Contus. may
rupture large blood vessel, Contus. of
head v. often produces extravas. of blood
in interior of skull. Small branch of
an artery may be ruptured & injury.
Bruise may b. free of inflammation. White pt
cut. swollen. often followed by suppuration.
1 suppurate - situation of wound most important
Diagnosis. between Abscess. & abscess hard at
pt
Treatment. Keep down inflammation &
moderate effusion. Ice cloth, a few.
lotion. Warm Anim. Camph. Spt. & Arnica
1 pt to 10 or 12. afterwards of 1 to 4 or 5.
If inflammation shd. supersede change to
warm applications as suppuration apt
to occur. Never puncture cavity to let
out bruised blood. Try use friction
in early stages of bruise
2 Indic. Promote absorption by lotions
chiefly oils of Al_2 - Liqueur Amyg.
& vinegar - Carb. Ammonia & Vinegar
forming acetate to stimulate absorption
Acetate Ind. practice.

don't leak & don't puncture. but if
cant suppurate then open & puncture.
after a severe injury pts. Roman weak
recommend gentle frictions. Cold tho
pumped air pt. stimulating lin-
iments. night & morn.

Wounds. solution of continuity

1 incised 2 pined 3 contused 4 lacerated.

Incised prod sharp instruments -
usually healed with great quickness

Punctured. small open to start of beyond.
usually @ force. wounded pt. aneurysm
many weapons wry shape.

most dangerous wounds.

severe inflam. Erysipelas abscess &

crush symptoms prod.

Contused No. blunt instr. blue.

Lacerated. As in machinery torn

gunshot wounds. Pinned wounds
from dissecta bits & stings of
venomous insect.

Age & strength is a lot of health
of individ. to be taken into ac.

Bleeding especially from incised
wound: aft to prove fatal when
artery only partially divided.
~~gunshot~~ wounds of throat v. danger
wounds of upper extremities. head more
deadly than wounds in

Incised Wounds

Bleeding - pain - gaping of pt. - pain variable
cut painful on cold day - -

Treatment. Union by primary intention
stop bleeding - if Remove foreign bodies
Collect blood from wound. frequently
prevents primary union. Then allow oozing
of blood to cease, when edges hit together
skin blackened. elevate limb.
+ allow part to be open.

Wounds of great depth require bandage
may be used or crummed roller.

Sutures. may supersede necessity of
plaster. Needles. In large wounds use
Sutures. never cover up sticking with
plaster. pressure, vigorous in early stages.

Wednesday 11th Jan'y 1860

Common uncompleted stitching mere stick
put piece of plaster between stitches
a use use suture or iron wire - sooner
thread is removed the better after consid-
eration, but metal sutures Iragh left in.
If wound defective in moisture, moisture.
Wound left alone as much as possible.
Dressing applied - then protect a wound
unless foreign matter is expected.
granulated surface may adhere + make
an adhesion inflammation. Keep up
diminish chasm as much as possi-
ble with as simple ulcer oil alk + metal,
washes in and around as adhere
of granulation

Cuts into Cavities require special treat^t
ment & sutures req^d. for shutt^t union
ligature. 2 knots usually req^d. No
pulling of lip allowed. In case of
penetrating wounds. I will ligature
used ~~of~~ also in wounds of
abdomen

Punctured Wounds

Often dangerous. If a vessel or nerve
may be injured. Some punctured wounds
make deep punctured wounds usually
followed by intense inflammation. apt to
become diffuse. Used to be practice to
dilate punctured wound - low Dr. J. H.
of Ind. Hunt. bad consequences did
not proceed fr. nature of wound. Chance
of inflam. rather increased than di-
minished Treatment

Indic^s after arrest of hemorrhage. Subseq^t
inflammation & light dressing. Wash
surfaces of wound hot partially together
& strips of adhesive plaster & not
entirely covered: low diet - leeches
may be necessary & not fermentat^t.
if suppuration commences.

Division necessary if suppuration
is diffuse. After discharge of pus & cream
& inflamed outflows. apply stimulating
arsenic & bryozoa. Keep lower part of
wound ⁱⁿ contact but orifice open.

Penetrating wounds of chest & abdomen

Contused Wounds. ~~These~~ p6
generally have an irregular surface. ~~usually~~
deep blue color - have not much tendency
to bleed tho' vessels of considerable size
may be divided. Primary union seldom
effected in Contused wounds.

Lacerated Wounds.

Wounds from torn. & machinery.
b. analog. to contused wounds. Vessels
altho' divided don't bleed. Bleeding very
moderate. & don't often unite & primary
union tho' sometimes they do.
Question whether attempt shd be made to
induce primary union.

~~Great.~~
All foreign bodies carefully removed from
Contused wounds. No dragging or
compression e.g. a allowed. Ice water may
be used if patient is suffering from
shock ^{warm} hot applica^t a Dts & water.

When sloughing occurs Sugar of Lead
& Opium wash. poultices after
slough separates Red wash.
In Lean as as much of the flesh as
shn be possible. especially in scalp not a
portion to be cut away which is dense ad-
herent. Brain apt to exfoliate.

Gun Shot Wounds

Wind contusion. Ball revolves around limb
which is crushed but skin unbroken.
Orifice where bullet enters small the
around it. large exit.

Gun shot wounds bleed less. it is said
than ~~external~~ ^{internal} wounds.
penetrating & profound apt to be
wounded

shock afterwards. if vital injury
shock increases till man dies.

body & mental shock - shock proper
to extent of injury - weakness of patient -
D.C. about Thursday

Friday 13th Jan'y 1860.

When slough begins to separate (9 or 10 day)
hemorrhage may occur. Case resp.
Gun shot wounds Comp. with lodgement of
foreign bodies - bullets may take extra-
ordinary course has been known to
strike ribs & run around body. Rifles
bullets not so apt to circumnavigate as
old musket balls.

Prognosis depends on nature & depth of wound. G. S.
wounds of head. lump - & v. dangerous. Im med. effect
of gun shot wounds differ in different individuals.
Mental shock. death's injury to vis cere, and
degeneration. G. S. Wounds of Chest.

danger. Canqura & entrance of air - Pneumo-
thorax - subseq. danger. inflamⁿ. - hemorrhage -
mode of arresting bleedg from intercostals is
to take silk hddp. plug hole with Cotton
wool - or surround wth ant^{seps} & all lig.
In order to prevent pneumonia - thorax
clad around of p^{rim}ls. when lung
wounded usually collapsed. expect.
of blood. Great Rest emetic - nauseant
Ant. & Acetate. Keeping antiphlogistic
If wound large ought to be kept open
dependent & dressed. & warm Wth
Aromatized. Ozone oppressed health
delineated in pericardium absence of

^{intra pull}
aspirat. in opposite side esp. for the
Extremes Cold. If no external wound Heed
may be rep & induce syncope. To cause
natural process of arrest of hemorrhage
Danger from inflam. - but may be des of
lungs. In latter starvation bleeding -
Asphyxia -

In wounds of breast. blood pass either
mouth or by stool. Wounds of back or a kidney
bleeding from aneurysm.

Treatment. Bleeding & starvation -

2 grs + Op^y lvs 4 hours.
from shot injury of heart, usually mortal in
24 hours

Treatment of Gun Shot wounds.

ball ought to be extracted if possible.
in bullet. if it has caused inflammation. ought to
be removed at once

Only remove such foreign bodies as can
be done easily. - if may be impracticable
for left till suppuration commences it.
Fingers used to extract bullet. Fingers
not probe - gum elastic catheter may
be used. Iodoform & iodoform very often change
bullet. in 4 days or several days.

Ice water - pleapt of lint -
antiphlogistic.

If bullet passes close to arteries prepare for
secondary hemorrhage.

Effects & Periods. 1 Shock depression - last.

1. a 6 hours - Cold clammy skin shivering &
pale pulse. 2. Rally - reaction - painful sensat
tion. 3. Inflammation stage goes on to
suppuration may occupy from one day to weeks
4 Suppuration.

amputation performed at 2nd & 4th periods
 in 1st primary & 2nd secondary operation.
 Intermediate operations inadvisable.
 Degree of shock doesn't always follow
 in shot wounds immediately. But naval
 surgeons say amputation can be performed
 before shock begins if patient

Tuesday, June 17th/60

Shock rarely lasts more than six hours.
 amputation shd not be delayed after
 rally very long. In stage of suppuration
 amputation may be performed. During
 inflammation operation shd not be
 performed. Primary amput. in military
 practice 3 times as successful as
 secondary

Cases which demand Operation.

When portion of limb carried away: as
 soon as possible immediately.

When bones shattered soft pts injured -

When wound of femoral artery is
 complicated & fracture of thigh bone
 usually amput. demanded especially
 in comminuted & comp. fract. of thigh.
 Primary amputation of thigh

50 deaths out of 67. amput spring

34 46 Paris (French).

from injury

When upper 3rd of thigh amput. 86.

middle

60

lower

56.

In Crimea primary more suc-
 cessful than secondary - 27 fatal
 primaries 36 secondary in shoulder
 joint - forearm 3. per C. of
 28 - 2nd -

Result in favor of primary operation.
When part of limb is comp'd or com-
muted - primary amputⁿ demandd.
Fract Contusio demand operation
When large joint involved amputation usually
performed. Ragged wounds require
active treatment. When Gangrene
follows gun-shot injury, shd not
wait for demarcation.

Poisoned Wounds

Animal King & Natural poisons - II. Result
of disⁿ action hydrophobia III. Result of
champs after death. I. Not very common
in this country - stings of wasps. bees
sting on limb, provid fatal -
Side of sting is left behind & apply Cold
small gradrop of Liq. Potass. tighten
pt. & Agatine. Spiders (tarantula)
Common Salts No. of pt inflames
Cold Alums. Vinegar, Camph. oils.
Men. Am. num. pump patient freely. &
Luo So³. Cobra. De Capello snake. Rattlesnake.
Most poisonous of common. Rattlesnake.

Treat. on Snake bites
Local & General. If in limb must cut
around limb. Remove poison excise
pt. from stream of hot Ho. & apply
Cupping glass. Canterbury part. Ell. Tr.
Potassa Fusa - Ho⁵ - Ho⁵ Ayl.
Liquor Potassa. Liq. Ammonia. If poison
enters system. prevent drinking. except
artificial strength. Arsenic has been
used. grs As. evig. Half hour till
symptoms relieve. In S. States! Iod Potass given
Rich. by grs Potassine 30. Dose 1/2 ex. & has

^{or angina} Hydrophobia prov. cont. long & minutes.
occurs in dogs and
foxes. Signs operandi of poison
unknown.

Dissection Wounds, punct wounds.

Most dangerous - wounds recd. more
freq. in Pentonites. (Child to) Erysipela
phlegmonosa - diffused inflam.
Most common effect serious vesiculae
melted color. fluid - Phlegmonous blood-
Erysipelatous - Effects after Rem. of an
Child-bed-fever. v. dangerous about
vessels apt to inflame. If drains
admitted further. sign. respirat. hurried
countenance expresses great anxiety
most cases cure apt to prove
fatal - fever. fatal occasionally
when local sympt. + constib. - generally
examine out of health.

If bad effects follow bleed as they appear
local inflam. for incision + warm poultice.
Centes sup. lead + opium hot poultice -
formulations leeches very serviceable
In St. Clap for Cal. purg - Saline
are kept at rest. if dis. adams
+ system pursued. time - Carb Ammi
Chl ash Potassa. Opium + Stimulus
doon's powder. Low kind of fever
induced by long continuance of indur-
tion. Do Drunken + Disputations
saline effect with warm poultice.

Thursday 10th Jan'y 1860

Tetanus & Hydrophobia

Hydrophobia

2 Classes. those that are caused ascended to bite of rabid animals & those which can be ascribed to bite of rabid animals.

Predisposed to hydrophobia. Gains nature from dogs bites & human subjects. Always fatal infection to hydrophobia. Inoculation of dog from man has affected & hydrophobia. No instance where man had communicated to another.

33 bitten of wolves more formidable than dogs. 33 bitten of dogs hydrophobia. Dogs more susceptible of disease than men are.

Rabid dog may lap water - no fear of water - dogs at first amiable - wild into - habits of dogs changed, look different. Picks at

small things from ground. a dog will drink but unless he has got drunk.

madness. Weather seems to have no effect in prod^g this disease in dogs.

May of individ^l attacked eleven 30-40 days ^{after bite with it.} before 10 in 111 Cases.

to mad than year & half.

If wound is not healed - discharges - then fatal pus. Pain may last in part bitten creature inflamed & swells & smelture suppurates.

2nd stage depression of spirits. spasmodic trembling. nervous symptoms - eyes pupils dilated - insensible to light & sound. noise agitate. Pain cannot be treated without producing convulsions.

dread of liquids. Paroxysms of violent muscular contractions - the slightest cause. Effect of sound on persons with it very marked.

Thickropy mucus in throat & mouth. In last stage, countenance anæmic. respiration hurried. pulse rapid. - pain in epigast. Constipation copious.

Death occurs generally in 4 days after attack by Convulsions.

Tetanus begins c. spasm of muscles of jaw & back of neck. In hydrophobia. Muscles not always rigid, in T. are in T. no positive action. to fluids.

Paroxysms in T. not increased by light a Ho. Tetanus comes on by soon after injury; after any kind of wound.

Hydrophobia. ~~convulsus~~ Resists & spinal system.

Tetanus spinal Cord alone.

Mucous membranes inflamed in Hydrophobia. object to prevent its attack excise the part ligature above wound pass probe to bottom of wound & cut out whole of wounded part, then cauterize part & set dry.

Tetanus occasional Cause of wounds. dis. less frequent in temperate than in hot climates. Erickson thinks it endemic

Spasmodic Contract. c. rigidity of all muscles voluntary exhausted away contraction.

Opisthotonus - emprosthotonus - pleurothotonus. Complete T. when muscles generally contracted. Trismus a lock jaw.

Muscles always drawn & the joint rigid. Joints especially permanently closed.

Spasmodic Tetanus (Traumatic), Idiopathic acute & chronic Tetanus of Traumatic ^{subacute} Trauma usually fatal 3 or 4 days from commencement. In chronic may live 17 days.

Onset in the neck - difficult in tongue - spasm in jaw at bottom of eariform cartilage spasm attacking diaphragm. Muscles of lower jaw contract & great force. Contract of cricoid ring 10. & 12". Muscles of abdomen affected all very hard. Rectum has been torn across. Muscles of organs usually ~~substantiated~~ ^{muscles of organs have} till patient dies.

Intense agony, pulse contracted - irregular - heat of body not increased urine in small quantities - great difficulty - patient dies in paroxysm violent convulsions. Wounds of palm of hand sole of foot (lacerated) that is cause of acute especially. Deep punctured wounds. Comp. fractures of high joints. Ribs nail in foot. Simple wounds may cause Tetanus. dissection through little light a cause of Tetanus. Cerebral nodes. Medulla spin. infl. & covering inflamed. Proximate Cause of Tetanus something a state of funus. In all cases cat. of Locksaw have imitated inflammation

Wounds of nervous system more apt to be ~~fatal~~ Cause
Tetanus. Amputation
Prognosis. Fatal nearly always
Treatment.

Regarded as example of irritative in whole
spinal system.

Treat local & constab. of plethoric cup spine
Make V. incision on Cardiac side
on the wound: divide nerve (isolating
wound. Internal Treatment Cal & Stomach

Narcotics hypodermic inject Op. & Bellad.
^{Keep up stomach & rectum kept}

under skin Complete occlusion. No
more soon darkened. Appl ice to
spine. Large catgut of re filled & snow
applied down spine. Indian Hemp

3grs. Every half hour. <sup>(Op. 30 grs. darkened no effect
in stomach and rectum)</sup>
Inject $\frac{1}{16}$ gr. atropine & 1 gr Opium.

Acute - drop doses every 2 hours.
(20. Lig. Op. sedative. Hypodermic Phurday. Jan 4/19 60
10 drops. Belladonna)

Glanders or Equinia
Course: from nose or small-pox results of horse-
glanders men.

Furrows from. gangrenous: nasal disch. sheathed
C. Uvula. nose & lips red & swollen &
inflamed. On Bucca on face & trunk

Rescullus pusulis of nose & face. attended
with low state like Typhoid Fever.
On skin excitation Chlorate Potash &
Iodo. Acetate washes. Evacu-
of abscesses.

I introduced this catheter & injected into rectum
gummed

Burns & Injuries from Heat & Cold

Lesions formed - Burns & Scalds along
passive. cause death by shock or
by early inflammation.

(6 varieties) 1. Redness, efflorescence.
no swelling or vesication. 2. In vesication.
if on head with a bump constitutional
disturbance depression collapse small pink
pale cold extremities. stomach empty when
reaction takes place. pulse rises. In children
Bronchitis. Phlegmon. May be formed in few
seconds a hour. Some degree of suffocation
may occur if critical part of injured calf after
burn. Generally no pain.

3. Ulceration. 4. Collapse long pulse when
it rises quickly. Grey yellow a brown stains
develop painful. Vesications may contain
black, serous. 4. Eschar brown like a yellow
insensile mass. hardness. Eschar thick
& curled surrounding skin drawn into
folds. 5. Fascia smooths tendons burnt
& destroyed. 6. Total annihilation of part
man stepped into molten iron. foot destroyed.

Prognosis: Extent of surface injured small
burn of 4. Varieties.

Burn of head with four dangerous.

* In healing of burns can take to prevent
contraction granulations lead to union &
adhesion. fingers lengthen after scalds &
wrapping up hands.

Treatment: If superficial & slight
cold water keep foot or hand in for hours
by irrigation. If possible cut off clothing
to prevent pulling of skin. When tendency
to shivering cold applications not used.

Carex Oil. Linseed oil & lime water.

* Importance = lbs Linseed Oil lime to Importance
In burns Erickson employs flour dredging
lime

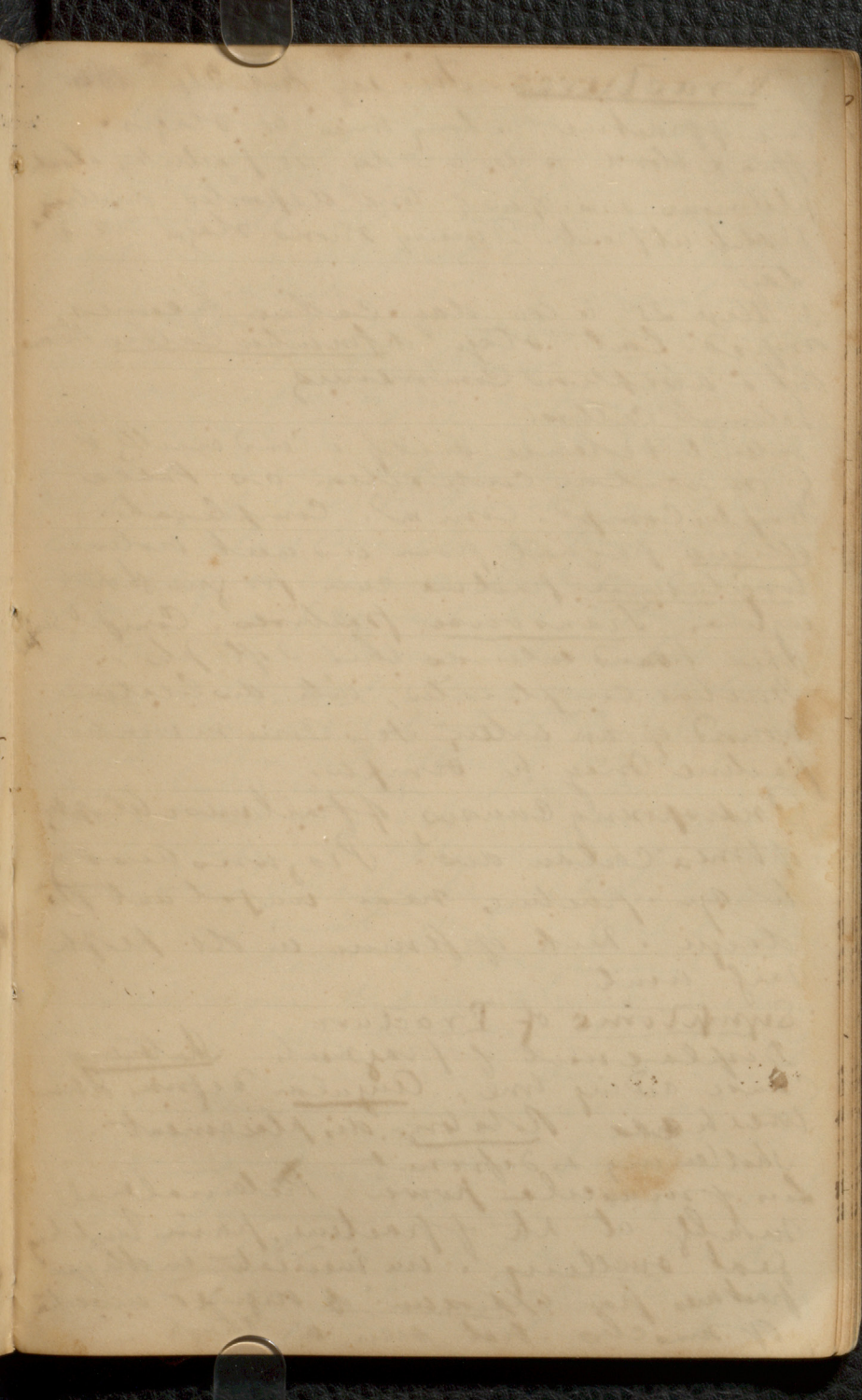
In amta line him wrapped up in soft
cotton wool. Keep it on till him is healed.
prevent adhesion of fingers.

ulceration of 4th varicellated in common
fingers. At all times has his dress
as seldom as possible exposure him as
little as possible. Panthen vesicant
after 2nd day. Eaint his wash
Internal Heat Stimulants

3℥ Aconitine 3℥s America 3℥s Laudan
3℥s. At Morphine. In very soon him
after 10th day purgating ulcer of duo-
denum found. Red patches in hair.
Red spots & tinged. of mucous mem. of
Bronchi. As long as collapse last
use stimulants. Opium & Brandy &
Hr. internally. In soon cases feet
danger when slough begins to separate.
antiphlogistic of 2nd feet. Wine
Menthol & applied to face. dilute noshes
in leuts. suppuration almost entire
prevented. Integumental cutting. by
melted wax ointment.

Friday 20th Jan 1860

Chilblains
surgery lines.



Fractures. Tuesday, Jan^y 24th 1860

Cure of fracture. in long bones 4 stages.
Effused blood p. 4 to 5 day. Old particles absorb
phlebotomy subs. spurs of bone deposited swelling
gradual attract. During second stage till 2nd
day.

3. Stage 25. 6 to 40 day. Callos becomes
miped. last stage differentia Callus thrown
out & absorption commencing.

External Callus.

External violence usually & indirectly &
& muscular contraction as Pott's
Simple. Compd. Comm. Complicated.
Oblique frequent from indirect violence
longitudinal fracture rare p. gunshot,
wound. Transverse fractures. Comp^d. Simple.
When wound extends thro' soft pts.

Fracture complicated, with dislocation
around of an artery &c. Commenced
fracture may be simple.

Predisposing causes of fractures. Atrophy
of bones certain dis^s. Prognosis according
to age. fractures near important pts
danger. Neck of femur in old people
very unite

Symptoms of Fracture

Displacement of fragments. Shortening.
Cause aiding line. Angular deformity when
bones break. Rotatory displacement.

Shortening & deformity.
Loss of muscular power. Intermittent
swelling at site of fracture. Pain increasing
great swelling. An immediate indication
fractures from appearance of signs & insertion
of needles. Not seen in thigh.

from effusion of blood - from inflammation -
usually in continuity of bone & crepitus.
grating & felt & heard by probe of small
payments. When no displacement crepitus
is easily felt, shd. be looked for if possible.
Joint may be at first & then crepitus
discovered. reduction 1st - If impaction of
bone fragment on crepitus discover. extension
necessary. Make thorough examination
as soon after injury as possible.

Treatment of Simple Fractures
Same in many respects to wounds of
soft parts. If bones broken obliquely & limb
shorten relax muscles as much as possible
bind leg in cloth or thigh in abdomen
& put firm payment till reduced.

2 Indication. Prevent return. Keep ends of
bones in contact. Wood. iron plastered
gutta serena used. Cut into 2 diff. shapes called
splints. Cotton wool applied & rollers. &
many curled bandage. When swelling comes
present that as a rule set fracture & keep
limb steady. In upper extremity leather
parchment gutta serena. Splints long to
immovably must joint in front of radius
it also should be broad enough to =
or extend beyond diameter of limb. Leather
splint of gutta serena in warm. It is dried
2 splints usually reqd. one on each
side. They keep limb at rest.
Modern treat. starch a firm bandage
a plaster Paris. Shd not be used if
any pain or inflam. present
may be after 4 or 5 days. if not
much pain or much swelling may
be used from first

method. Take short wadding, make with
mean limb in wadding, employ with
above this ~~silk~~ ~~silk~~ the whole in starch
until patient feels more secure. Paste ~~band~~
3 pieces. lay leg in ~~band~~ piece & over piece
silk in liquid starch. & apply roller
above this. & put all up on long splint a
fracture till until stanch has time to
harden. usually hardens in 36. 48
hours remove splint & $\in$ catches patient
may move about if leg broken.
usually after 4 or 5 days necessary to
split up starch bandage. & means of
strong pt. of scissors, & to apply
roller. split to tighten as leg will
shrink from want of use. need
not split it up unless leg is getting
stark. dark inclined plane to use
after broken bone set, attend to any
unpleasant symptoms that may
arise, for preventive
purposes neediness of treatment. If
much local inflammation. & great swelling
apply evaporating lotions & ice. Stochastic
artificially but obtain for free purging.
Compound Fractures. When
so if limb can be saved. When
Cure men. glues & callosities into
dysplastic joint. a opening near joint
 $\in$ Compound fractures in upper extremities
lower joints. When much bruising
with swelling of soft parts.

If an attempt to save limb reduction should.
be attempted immediately - if of some
kindly cut it off.

avoid strikes in Compd fractures. If arms
lacerated employ Cold Bo.

Many lardo bandages of great use in
Compd fractures. If bone broken in frag-
ment remove them. If connected with
periosteum & soft pt replace them.
If by periosteum in young replace
them in old take them away.

If wound suppurates put No dressing
& if abscess forms depending situation
& opening make & bore such made
to clear of pus etc. If gangrene
superficial immediate & high am-
putation imperative.

abscess & suppuration of bone happen
frequently in Compd

Dislocation. Not frequently occur in
leg more than joint. leg twisted-
separable at epiphyses set as commu-
fracture.

Ununited fractures

fract leg. but bones ankylosis end of
bones. sometimes prod. by discharging
parts too much humerus call this
accident as my little son felt &
Robert Brown his arms & fingers
bad health during union arms, means
cut ends of bones by the articulation section.
scaup broken extremities of bones & set
slack bandages or put in splint & lean
it in 3 weeks pass narrow history
between part to end. Diet right to
nutrition

is cut any kind of bones in the mouth
saw them off. v. formidable operation
another method make incision behind of
bone where most likely good. bone holes in
ends of bones & cause in pieces. Subject to
Promote effusion of Callus. Seton best.
Very great pressure kept up on ends
of bone & prevent patient walk
about. (According to Smith)

Special Fractures Reverend day. Jan 25th /60

Fracture of bones of the head.

Nasal bones. fractured by blow in nose. displ.
inwards - proof of direct injury - large swelling
in site of fracture - elastic bones - filling nostrils
no muscles attached to nasal bones. introduce
probe a director. & finger on outside. as lay
hold of swelling & lay for crepitus. Elastic
bones of probe a spoon end of crown directed
Comp^d fractures dangerous decidant
anaphrodisia treatment. i.e. lutea of face
& nostrils filled with lint.

Malar bones easily broken, if so Comp^d
elastic - & manipulation of compresses
adhesive plaster.

Superior maxillary not often broken
if large portion broken off replace it &
heat as for fracture of lower jaw.
Injury direct & violent - put finger
in mouth & keep mouth closed after
ligured food.

Lower Jaw. broken in any part
symphysis rare. broken on side. jaw
usually bad. Put from base.

Plethora / massive aneurysm & keep bones
in place. if in front of maxilla. nucleus
drown down & by depression of chin
tendency to rising. Cephalic head disloc.
fract. may occur high up. rarely.
Indic that mouth & use of casts bandage



3 & 4 weeks in curing part.

4 tailed paste board splint or put
in Coll. between teeth to allow food space
a hard dentist get model of teeth. ^{put in mouth}

Fracture of Spine

Symptoms: pain in site of injury. Cephalic
paralysis in part. of body of spine. Spinal
cushion along Phrenic plexus cannot live
many hours. In lower down paraplegia
of lower limb, paraplegia, rectum & bladder
paralyzed. pain & cephalic. Occasional
pamful cramps of genital organs.

Prognosis. Urine offensive & am moria-
cal, associated with dis. of Kidney
wasting of spinal marrow best on
men upper dorsal & lower cervical
regions of arms. Constipation.

Danger arising to end & subsequent
disorganization, ramolissement. Less
bad ones affect of bladder rectum

Treatment. Careful reduction of dis-
placement. by

Fracture of spine nearly always end
fatally. Mineral acids draw off am
keep bones & by mouth act but of
Patient's strength. If process. must
use 2 inch padded splints drawn with
flannel bandage. Lying on back. Kept
perfectly quiet.

In loss of power at. Anambs behind
Staph. & Electing.

Fracture of the Ribs

Ribs broken directly & indirectly. Usually
by direct injury, falls at front breast
rib where struck. If indirect fracture
about large curvature of ribs. Displace-
ment usually always injured.
Intercostal muscles & adjoining each.
Ribs - usually broken inwards lungs
& pleura may be wounded.

Symptoms of the Complication - only pain
no full exposure can be made
just have a can a place & make
patient breathe fully & expectorations can be
drawn. One fracture of rib a simple
affair. all that is necessary is band
flannel bandage around chest.
Oxyc. to be chest made healthy lin-
ens as possible keep patient at rest
& quiet. low diet. Fract. of ribs
assoc. with wound of pleura. & lung.
usually haemoptysis. Short breath,
Cough. Increased pain at site of fracture
Emphysema. of part. Air passes out
of lung into cellular tissues.
prod. dry crackling under cilia-
rib. puffing & swelling.
In this kind of case bandaging. Used if
patient can bear it. Traumatic
Pneumonia Pleuro. haem. bleeding.
Op. Morphia & Acute - Amos
powders & calomel. Starvation
bandage & rest absolute quiet.

placed trans down sternum.
Fracture of Sternum.
Rung broken.

The first 12. 36. 48 hours. May be sent 3 days.
 Proportion in from then there. A small
 who were certain number of after labor
 a little milk from. Next ten finally 48
 hours. After delivery. Two occurred in 5th day
 1 on 6 day + 1 on 8th at all. Section as to.
 Cause of milk from: great activity of
 mammae -
 (proceeding about time of lying in known
 as agalactia & Hyaline -
 Distinct expression of white generally seen;
 but it returns & then only in few specimens.
 Cause of prolapse chiefly an involutional
 process.

Of the accompanying accounts & synopses
Hemmingway's patent of 1884 on his Empire
Process, in 3 hour patent was required

Herminie's patent of 1840 was in fact
revoked, in 2 years, without any expense

Albion

Preparations after discharging
lying in state attend to state funeral & discharging

Asplenium laevigatum - this may occur -
but more in shade than in sun

James Madison recollected Shuman's
not last year than the names after delivery
internal discharges have occurred that not

Archaeon lat-potent naticus. The river
 Ephem. caudex. One oft found & is
 rare all day, fresh water. Young lit

back. Of 100 abundant ones in 1000
 another occurs before firmly when other

Two miles west of Green (Athens)
Patient also cannot walk after falling
(metatarsal may have been broken)

Impatiens stuebelii & *deurceae*.
Impatiens in *penulae* sparsa, *Rhynchosia*

1. *Exposition, du 1er jour, par*
l'abbé, sous le nom d'Exposition de la

There is a winter shelter here called
Prestigiano which is near in my
opinion. I think almost sure.

1. Chloris. West. Feen.
(Chloris or Shun, quail & Chloris lunata)

Freezing day. 78° Jan. 1860.
Slovak Exchange. Most important stock of the

After we had been some time in the
study society, when next time comes on
the hour after also look at books - one

passed. but continuing after - quantity

...man

From about from Japan labor, or
 of woman children about my.
 are usually broken.

Ammonium from both these operations
 Chalk - 1 pound of chalk also used in it -
 known - found surface practical use.
 known of Haining it. with hand &
 Rafter roof in ha altered. and
 Caractors. Tuesday Jan'y 24th 1860

Rapture of Uterus.
 several days. and may be out e. 3 days.
 3 case when.
 Case Recovery of Women in Child

of labor (labour) - hemorrhage - light with some
 any degree except spontaneous hemorrhage -
 ut. cannot explain & also hemorrhage, but
 a strong flow back, & return of force
 in labor & occur much & some stop
 in labor & occur much & some stop
 a case. of impaction head as in previous
 a case. of impaction head as in previous
 had in some cases. could manipulation
 day. one hand from and into the
 broken. that & other fingers at
 Caractors. Pains of the labor
 seems after labor. and of the labor
 the. after. accouchement. Brown
 as is right - broken the hand one
 of the labor. as is right - broken the hand one
 that is wrong. that is in the hand
 the was. delivered

When we think they have not
 again may be human material
 3/10/1900 approved. Attached to the

2. Indicate in a letter that such a person
 3. Complete business affairs of a person



1. Business
 2. Discontinue. 3. Discontinue

2 When business is completed, however
 business fully organized, leave in order
 business. The business has no special
 system not full. 3. When business is
 completed, however, it is left in a way
 have taken a heavy down down
 and they go in with some help of
 3 other heavy down. Some person

Business. Discontinue. Discontinue
 have, as in school - Discontinue
 Discontinue. May be in the school
 Discontinue of course it, from the
 Discontinue. Then business is completed with
 Discontinue can say that.

can not naturally interfere with
 as can - Discontinue. Discontinue
 Discontinue course.

When it comes to the plants the
to detached parts, some detail
beauties - some plants &
argued - I can manage &
growing plants, the reason
I prefer several times.
app. others others in proper
in abdomen, just before
back diet, say one
anywhere else
after proper handling
patient evidence to check
it, not the right answer.
fide there, I prefer only
never the better,
detach himself & something
after thinking, he has been busy
the morning & evening of them
I go to small parts & work
just every hour in the
morning & night. Another
very hard.

Journal of the
History of the

[illegible]

Monday 23rd Jan 1860

Standing for another year. Just
but when I have been in a room 1 year
the boys with regard to the school have
or have been at school. but

overcome. I make great progress
in my English like other children
we make progress in English studies
and. If we have been with the
last 6 weeks 5 a 6 we make
only. In the winter of
progress in English have been
but not in the winter
winter. You have been

standing of the winter
looked on of the winter

London up to the end of the
but however not entirely
as it continues with

Coleridge's progress. The
continue it with other things
in the winter

2. In the winter. The winter
however. The winter
The winter. The winter

Thursday 19th June 1860

History of Placenta

Placenta presents at. accersis 3rd
can partly be seen. Admitts 2nd
from 2nd to 3rd Placenta in vagina from
but 2nd cannot be drawn out.

3 days 1 Detachment. 2 Discharge
3 days 3 days 4 days

As one is late, 4 days 5 days

All same. 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

Discharge - Placenta may be separated
in such a manner. Accersis 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

From 20 to 30th

Detachment of Placenta would occur in
15 to 20 minutes, after delivery, but may
be retained in vagina. Delivery may be
left to nature, without any accident
may be used in 2 days. After making
taken in 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

Discharge - Placenta may be separated
in such a manner. Accersis 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

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Discharge - Placenta may be separated
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[illegible]

Progress of Vertebrate Procreation. 8
Reproduction of all. Not all equally ad-
vancing.

Energy of vital act
Capable of increased energy & exertion (from
when before the before activity faint
or during existence of an accumulation.
Proportion of Procreation. de. de. de.

Left + Rt. Cephalic
3 v. Ant. Post. Horn

Face P.
Left-mono-ocular + Rt. mono-ocular

Ant. Horn 9 Procreation
Dorsal. Fin.

Left 1 left then there
In dorsal fin ant. horn. Procreation

Spinal Fin.
At 1 left cephalic there

one. many horns were
Present. of lateral horns almost always.

Reproductive mechanism.
Absent

Face Procreation. mono-ocular
3 in ant. eye 3 Mt. + 3 left
In face present. eye 3 Mt. + 3 eye

12) Diagram of the Proposition

Western in front of the East of the
in common & labor that first
it is the in not east makes
you may conclude that the property
first of the is not the first

Conclusion is great value

Diagram

3. Expense of the 4. Head of the

last after the expense of the 4. Head of the

first of the

2. Expense of the 3. Head of the

Diagram

5. Expense of the 4. Head of the

last after the expense of the 4. Head of the

first of the

2. Expense of the 3. Head of the

Diagram

5. Expense of the 4. Head of the

Monday Jan^y 9th 1860

Recom. of Natural Labor.

[illegible]

Distillation of water. At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

At New York from

[illegible]

Physiological action in labor
3 Stages - 1. Latent for commonest of time
4 2nd of 2. when 1st between last &
expulsion. 3 Delivery of placenta & mem.

[illegible]

Diff. degree of labor in detail.
 Commonest of labor in ^{parturition} puerp. with detail.
 & much p. ~~of labor~~ ^{of labor} made by 2 or 3
 membranes & other. Puerp. usually open
 come on. As labor near or when open
 time uncertainly could be vagina.

In fact present. when extra dead. from
anyone present.

in fact. sphincter. but from.

in fact. Trade imperfect. at work.

fact of existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

in fact. existence. existence.

{Extra-Uterine} Thursday 15 Dec 1859
 In 26 Cases Abnormal gestation all fatal
 M. on all size - do length of 3 mts.

Cancer of extra-uterine pregnancy
 during involution of uterus
 first common cause of tubal gestation
 usually adhering
 sympt. during progress of extra-uterine
 pregnancy - gradual - increasing local
 action - usually - Friday



Monday 19th Dec 1859
 Tuesday 20th Dec 1859
 Wednesday 21st Dec 1859

Physiology of fetal life - organ of nutrition
 and transfer of fetal circulation
 from placenta - Placenta
 during 1st 3 mts. - first part
 the super-fetua case with Pt. Quick
 one piece the former takes in it.
 Quick - from the uterine cavity - 1st
 Not uterine. The fetus passes into
 Pt. Quick - then the uterine cavity.
 with pulsations artery & the ductus arteriosus
 in the Quick Artery.
 Decidua extra-uterine, after having
 been previously full, from any cause,
 except the death of the fetus.
 After fetus has been dead some time
 Still full of blood
 Absence of pulsation at external fundus
 Very important sign

Albion. Symington & Co. Wash.

Wednesday 14 Dec^r 57

Abortion Treatment

Mr. Jackson can Abolish the Interdict very plain
truth. England abandon any injurious to
female. of Health. can be feeding
Please are. not good. arrange

*Spinnen u. d. diese - 37 - proz. - 47 -
Cant Spinnen - 40 + keine vermindert
calculated pro - an sich a great volume
when other methods applied.*

#Eggs of *Th. trifasciatus* 1/4 h. in 3vIII hatching
1/3 again as above. first order of procreancy
Eggs - first procreancy & 1/3 more of same
nine hundred & 100 after - first order
in small tank - 1000 & 1000 in 1000 & 1000

Mr. Campbell says he is
an excellent singer, and
has taken a certain course, after which
he can sing any thing, & so on.

Things better. Of attention to accounts & extensive clearing - possible some will be captured - taking in transport may be employed. Do not address a stranger

all right. the of low: mine above marked
appeal in being a 1st soil. still present
of the formation of clay at a distance
present state of - above.

Sterility causes of treatment.

Canes. *infructuosa* & *organica* - *Canalis* & *line*
Organic. *Canalis* *obliquus* of *Canalis* & *deag.*

of the - a de d'ar + a better of the.

is Amer. edition of *Principes - French*

in published system seems at present
to arise. I propose to try them

Ergebnis der 2ten Sitzung: 2ten. April.
Aufnahme in das Lager beschlossen: 2ten. April.

Walla n. murina. In congrua's about
8. Werra may be congrua's about

unstable - East only to West of Greenham
East only - East only to West of Greenham

Account also - Drury. may take place

There is a great deal of talk about a new

Oldenburg & Bremen

4. Payson - may be absent in unfortunately
inability in our hands - consequence a necessity

Also: du Compt. de l'Inde - section moy.
in note. Shortening of Ray - and the same

Ray. may a sturdy member.
Dromaeosaurus - Curio of Florida.

6. Control a ^{infectious} disease by securing it
or by ~~controlling~~ ^{eliminating} ~~the~~ ^{the} ~~source~~ ^{source} of infection.

principle & the next. Above me

17. *Antennaria racemosa*. *Asplen.*

St. Louis. Great indignance.

Monday 12th Dec 75

Vascular plant of Maunabo.

near entrance near center of Maunabo.

rd 4.6. is a line in 2 years, of great amount.
 from near N. slope towards Maunabo -
 Collier = what of entrance a large
 from reddish brown - occasional fern
 with ca. other. Many fern
 trunks of entrance, divide into small
 branches, below entrance & entrance.
 No direct communication between these and
 Maunabo arrangement - no synchysis

1 narrow - at end of first mo

cutting of entrance course cut off plants

2 the small, horizontally. (axis)

from during 3 or 4 years in air.

and 21. 6. 23 with in length usually.

on case 5 (cut 4 in long) - from 6

Measure of width. N. N. P. High. Maunabo

cut of 994 cases 31. 5 - 10. with in length

546. 10 - 20. 350 20. - 30.

in 67. 30 - 40. 7 - on 40.

decide 1. Synch. from 40. 7 - on 40.

on hydrophobic

2 entrance - in cut. From near from

from Maunabo in Maunabo.

21 3 small veins from end -

small veins in cut from near

from Maunabo.

from Maunabo in Maunabo.

Storically Maunabo & that near.

In cases where cases first have nothing.

1 when cases of higher known cases are

acute. Characters of some.

2 violent fits. 2 new disease have first

their common place but at first

is not. But it is not necessary to put

cases to approach - to distinguish first

public in cases. Difficult in cases

of kind to have some. 3 acute.

has been applied to diagnosis of first

position. Often difficult to distinguish

of these but is more accurate.

more heard in 3 hr. of disease.

known. rather not determine

cases health to.

of first part - an 6. first - 6. first

of. of interest a single. in system

absolutely 2 or 3 of a ^{with some} ~~of~~

first in cases in constant of period.

changes which. in cases 1 month

delays. Acute.

irregular. a history of pulsations

and every hour - often heard when

first has been seen. Then 2 or 3

in some, in relation with the

performance during cases.

of account. of great value in

diagnosis of the new disease.

heart primarily take when first

current detect ~~some~~ sensation.

Placental blood.

Friday 9 Dec.



3586

3567

Dec 6th 1889

dyne of dryness light & wind out of the
Jaguar on Buckle's last visit at the
mound membrane of the ray & tail.

South country for purpose of ascending step
of rotation - most of tail &
Buck's movement. About 20 ft. up in the air

strutted raised - from finger on lower side
other hand kept above him steady -
left up finger - then smacking & over the

feeding back in higher air. No nothing at
ground by side of chair. As usual during 5-6 mo.
left on Buckle's other finger into vagina &

then hand on abdomen - then taking 1st of when
in certain organs of vagina during 1st
3 mo. but no vagina when together

During last 5 mo. - total movement -
about 1/2 inch. About 4-5 or 5 mo.
part by another called quacking noise

at same level in air. animal - sometimes
Cervical & ventral pointing to.
Bowel movement - about 5 mo.

about 4 mo. movement of tail felt
& protrusion pulled hand in human d-
Jaguar day 7th Dec 1889

1. About 5 mo. Head 4-5 mo. near nose
part. 12 to 14 in a row - scattered
in raised - ventral & ventral part

1200 cases 120 in a minute rate of stroke.
In 30 out of 50 - head in 10 out. About 1/2 inch
other hand on 2nd side. Head in

other hand on 2nd side. Head in
other hand on 2nd side. Head in
other hand on 2nd side. Head in

other hand on 2nd side. Head in
other hand on 2nd side. Head in
other hand on 2nd side. Head in

pregnant & symptomatic. Similar to pregnancy
 down down & back. Cervix soft & long & moist
 appearance & pressure experienced about
 abdominal parts. At end of 4 mo not
 a hot & dryness as at 7 mo. During
 last 2 mo of gestation become pregnant
 again, at about 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Case. From way of young man 22 yrs of
from enlarged & enlarged. 1859
Monday 3rd Dec: 1859

Signs of Pregnancy

Abdominal Tenderness

Lower. more - good. enlarged. 1859 -
with. 1859. good. enlarged. 1859 -
1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

1859. good. enlarged. 1859 -

Contrary only is removed by action of the
muscular layer, by an increase empty to
great extent of volume.
may be enlarged & more immoderate
1. Section of spinal cord.
Hypertrophy of muscle in wall of
artery - hypertrophy of arteries.
The other contract. wh. has caused expansion of
arterial part of artery. of wall of artery.
Contract to form of artery and of wall of
artery. Cause. Artery of a. the artery
in the hypertrophy of artery. Artery.

2. cannot again look back
 and take defined. In
 every square & every



2. Every fresh state arrived.
 with soft
 3. External surface here free
 4. External opening short but indistinct
 but not.

Thursday. Dec 1st 1852.
 Larva 15 days from last moult for the

larva out
 molted and arrived. Larva and pupa again

larva and arrived. Larva and pupa again
 molted and arrived. Larva and pupa again

larva and arrived. Larva and pupa again
 molted and arrived. Larva and pupa again

larva and arrived. Larva and pupa again
 molted and arrived. Larva and pupa again

larva and arrived. Larva and pupa again
 molted and arrived. Larva and pupa again



Quarto in direction of theme subject

kind. prepared in any shape that
will move forward. I have usually 20 right
and some 4 times out of 10.
Plumage big of left side - shorter - smoother.
Changes in back more of 20 and 25.

Q. 1st 3 me 11 with m...?

2. 1st Jan 1800

About them about some are snags

Chytrus when practice is advanced

W. J. Morgan 2/11. In manuscript.

1876

Knows of none
In person and has sent a Reg.

With thirty-three at the
the dear and long address.

Change in Neck of Meno

at end of 1st month. the 2 trees began to
suffer at 1st parting of river. went
at end of 3rd to live side of 3rd spring

unlabeled - At 6 mo. before 3 vaginas
and then or oft as the Chlorogaster

from back of vagina to anal part
found in all females. Numerous here as

Principles of the Law of the Sea

change in 1860

Went to return at supper hour.

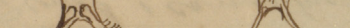
my corner

*William - James at Cambridge Grove
Stoughton Court House*

Amundsen

That one + cent. third. All above
meant. That is, on each - there is
cent. third made turning value
of. All elections in divided area
pay from $\frac{1}{2}$ to $\frac{1}{4}$ inch

Pay from $\frac{1}{2}$ to $\frac{1}{2}$ inch
When some marks like this
accident & heard in advance.
As some experts, or that others

No more exhumed. Or And distant
 Afternoon
 (12) (14)

 Formation of neck. Afternoon
 At point of separation. (12) (14)
 Ground. Afternoon. (12) (14)
 Breathing

Debit	Credit
to Balance forward	from Balance forward
to Cash	by Cash
to Merchandise	by Merchandise
to Freight	by Freight
to Insurance	by Insurance
to Interest	by Interest
to Dividends	by Dividends
to Profits	by Profits
Total	Total

Orange - 7th. Address at 1st June 1868
 Hygiene at end of road. At 1st June 1868
 1st June 1868. 1st June 1868. 1st June 1868

Bay punt 3. Clear from the left
About 4. Precious view about
Injunct about over conditions -
At end of 4 mo. of my active study.

4-25
 3 days travel above it at 78 mi
 last night wind broke
 all out of wind

American - different from other living
 or not - more at home after death of mother
 than in talk of her boys at
 from friends of friends in Boston
 state - I have heard in Boston
 ground of the house to other of which
 foundation and make place in my
 connection is made at a time of month
 at all times of year: but according to
 American - from which I have made
 and then is after months.

Uterine gestation or pregnancy. - cannot find any difference between the two. But 2nd day and 3rd day of gestation. As from day and night with period of gestation. Young human live shorter time. One day's work in one day. Gestation takes 9 months. It may be described thus: - the whole called uterine pregnancy.

Brachyotus albicollis Leach. Small - white
Change in name - I cannot form idea

1. Charybdis - 1st. round & 2d. large
 Chain of 10 links. enlarged at 2d. & 3d.
 internal cav. Alaria lyrata throm
 ant - ostium - called capitulum or

accidents. One at 1st pretty - but at
another. I want. Many are called for.
And small part. I have seen. But
I am not of the same kind. I am not
I am not of the same kind. I am not

drinks etc: etc. hives:
 (1) enters per os: during winter
 that allergic mough effused in
 hives hives.

local. hives or erythema. 2 or 3
 hives a day. Patient like a cat
 with feline grime. One a day
 drink. Skin, hives, hives
 all these symptoms seen at night
 nocturnal hives. 6 or 7 a day.
 Sunday 29 Nov 1903

Mucous hives. on abdomen of child.
 or at night - a rash of papular hives
 without any cause - in the right arm
 a symmetrical also severe cancer for
 over 2 years - in the right arm
 but hives hives. 1. hives. the child
 and hives hives. after engagement
 by the hives of child hives hives
 but hives hives hives hives hives



Generation

Epithelium - epithelium - epithelium
 skin - 1800 - 1800 - 1800
 Most severe hives in the skin of the
 11. Skin hives hives hives hives hives

content of serum & of hives. in milk and cream
 hives. content of serum & of hives. in milk and cream
 hives. content of serum & of hives. in milk and cream
 hives. content of serum & of hives. in milk and cream
 hives. content of serum & of hives. in milk and cream

2. Paint brod. of bark w. *Campanula*
 2. Paint brod. of bark w. *Campanula*

Brechenridg. New Orleans
and. Hunt. Amherst. Va.

Lagurus inquilus + *ornatus*.

3 Paralelism

Brook, profusely - State more dense

marked attention in Athens. On your
left is ancient Pylaeus, the ruins of the temple

There is a narrow
land current in
this bay.

Descent, surf. from 'normal' + 'anomalies'

Let's gradually improve ourselves

Travelling length of day and

have caught (much), even in 1894

There being no more to be said - I shall close -

Handwritten: ...the enormous life

Accountant does not investigate synth.

great exchange - night in 1840

in chara. ~~Dysopora~~ after long standing

Aphelto

the same. From your work, in nature.

33 When known in future
not known - after marriage
of as before

Heating - more primitive in construction
 3. Heating - by means of heat. and water

in various - in various of the

Small record. General effect of

Worms or small insects in the ground

[illegible]

That great: Reuben Pennington: May 6

Indice r. Card. op. have been tried; but

[illegible]

menoribaga

Monday 28th Dec/59

Dysentheria - painful month.

quantity may be larger small or normal

severe attacks of *D.*

2. Have *Amalgam* making *Widened*

1. *Seems* at any at but would after 25th perhaps

Constitution - *then* *same* in *limb*

hypertension *upon* *down* *into* *same* in

limb *under* *same* *and* *same* *and* *same*

type *hypertension* *head* *also* *admission* *in*

under *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

limb *under* *same* *and* *same* *and* *same*

Amenorrhoea with recurring uterine haemorrhages
occurs in youth & during menstruation
sometimes benign, discrete, may precede menopause,
chronic - obscure menstruation with
pain - gastrointestinal may or may not.

Amenophya sulphurea

Shut up some articles out of course -

Black of hair - Amalgamated in my
 Alway, epidermis - Green most of the surface
 Ind. Amalgamated part of the surface
 Several fine small puncta visible here
 also. Part in European origin, small.
 In Heliconia, small, small, small, small
 Heliconia, small, small, small, small

They're suffering (and are) of
 Chronic Outpour, result of acute attack
 a result of impaired health
 their more head ache, humors

Primo Secundo. Propter consuetudinem
regum alia difficultate labor et tractatus
decedunt - quia de propriis.

Church, secured in the case in your name
after birth of 2nd child: Not Frank.
Black, fair where no money, 1 than child

Attract vicarious menstruation
 prostrates & causes drowsy
 at some other point. second d. d. in
 during month birth - has taken place

from the other - some are the same as
the other - some are the same as the
other - some are the same as the other -

new three - thin dark & not corallate.
From a later, lower, specimen.
Greatly want local det. of this area where

[illegible]

Spencer's Asclepias

Case of ability - when functions are not

order, amplification of the cellular

language, the cellular

applied irregularly - the

expressed - the cellular

passion, the cellular

the cellular

growth, the cellular

growth, the cellular

growth, the cellular

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Conclusions - proved. Position of Graham
 rocks have scars at time of eruption.
 During eruption of Patuxent. The
 same concretion - partly - broken.
 Some part of the strata, in layers
 shown in water now above present
 layer. Under now nearly from
 first cause or seat of origin.
 well known. According to me
 that original top of of origin.
 No. 2. To propose this as fact
 position.
 appear of nature of the capability
 of being superimposed on the first.
 in of such capability, known from
 known position without necessitating
 the fact. This great can of origin the
 present time 17. without having moved.
 I had said. Position of large forms
 had been proved.
 Hearty, not absolutely necessary for
 conception. Conception in form
 always taken place after movement.
 15 days after last movement from
 usually have come from.
 clearly within 2 ft. below heat & height.
 surface, in form taken place at time
 in latter appearance.
 The whole of all points of growth.
 position & movement, etc.
 6 low if present in one form but
 having. 7. at present period of time
 experience

upland shot. 1 card.
6. a egg, 2 eggs. surface irregular. any
beverly, in surface of surface.
These are all, but yellow shot of
surface. white and then

have 1 after noon &
3. first, travel, say in org. for product & day
& spend in brain-hungry - almost a
week on side of gray - nearly a foot.
5 On inner during month. a

1. *Prinos mesasiy* ^{var. *functus*}
2. *Prinos* ^{being} *isobry* *crucif. & granulos*
3. *Prinos* *conchoid* *shells* *in* *Prinos*

Now cramp. Throat muscle. Dead.

Universally Connected with every
 Man living in the physical or discerned -
 feeling world. Man being has his
 various many courses of his. every man

Defect - Affluent + fine
 Curious. Affluent + fine
 Efficient - affluent + fine + local pleasure.

Pinet. doctus.
I want of each and exchange for more

at least a good youth of your
 the highest merit. performed the

Laos. known several small after a
 search. New. 100 has several New 1000

running from the other side of the mountain to the
the other side. A little north of the
other. And from the north, the river

to keep friends and enemies from knowing
number of houses - in all, can be calculated

The left sketch shows a cone-like structure with a grid of lines, possibly representing a biological form. The right sketch shows a face-like structure with two large, dark, oval eyes and a central, dark, curved line, possibly representing a mouth or a specific anatomical feature.

of the - ground water

the same - that is, the same as the same

Cestiva holoserena

Wm. Newman. owner of the

At the 1st. Annual Meeting of the

Constitution not within. as long as a

Wednesday 23rd Nov 18

Musci
Alumini sulph^{is} & muscⁱ. nervatⁱ. decidua

1845. 1846. 1847. 1848. 1849. 1850. 1851. 1852. 1853. 1854. 1855. 1856. 1857. 1858. 1859. 1860. 1861. 1862. 1863. 1864. 1865. 1866. 1867. 1868. 1869. 1870. 1871. 1872. 1873. 1874. 1875. 1876. 1877. 1878. 1879. 1880. 1881. 1882. 1883. 1884. 1885. 1886. 1887. 1888. 1889. 1890. 1891. 1892. 1893. 1894. 1895. 1896. 1897. 1898. 1899. 1900. 1901. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1909. 1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 25

Menstruation

1. *Quercus* *Quercus* - *Quercus* *Quercus*

for type - between 13. + 14 years in Canada

and in view of the fact that the same is true of the other two, it is not necessary to repeat the same.

Waters Creek Falls at 9 AM

over a thin crust in shape

Drum or granular flesh. *Stropharia*

scaly part. sometimes not marked.

forming an oval of fragile parts.

Agreement and variety from: of various

capitula in these species the common

form than but sometimes (some)

of these cellular tissue

distinct but. *Lenticular* - often

mixed with several layers -

So in *Stropharia granular* flesh. *Stropharia*

usually - *Stropharia* - some *Stropharia*

in middle of these - *Stropharia* - *Stropharia*

usually - *Stropharia* - *Stropharia* - *Stropharia*

usually - *Stropharia* - *Stropharia* - *Stropharia*

usually - *Stropharia* - *Stropharia* - *Stropharia*

usually - *Stropharia* - *Stropharia* - *Stropharia*

usually - *Stropharia* - *Stropharia* - *Stropharia*

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usually - *Stropharia* - *Stropharia* - *Stropharia*

Wood, ^{best} pine first class 1000

By, and the culture of the same can be

deficit. Adiff. et aggr. inine pectum

Current of current v. horizon + clear
of horizon. there may be clear -

for his services. Since
I have been at Athens I feel

Phacelanthus hirtellus (L.) A. N. S. P. 1850

the basis of Alamo

Eastern Equatorial Thicket. Sayard. 3 1/2 mi. from the
Western Equatorial Thicket. Sayard. 3 1/2 mi. from the

A crew, Chinmen & Co. Impression
stencil used. Influence attack -

Stamm 14 in $\frac{1}{4}$ - $\frac{1}{2}$ p. 22

External Ovary present. When present
known always in - when complete often

Hecichia. Japhan Beach. Cumbria on 9

Stewart & Co. Insulators
Hydraulic - and Pneum -
Engineering.

Almon - Frank. Ant. 1811 -
 Five days - 1811 - on water
 in time from 11 days to 12 days
 Almon has never.

Having read. I am so much interested
 of your work. Indicated with me
 Article 4. Systematic. Part 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834,



Structure of Nervous.

David. Probertus. Lucida Canal.

Several minutes short after

day of Christ's return.

After check clearing 19 to 21p.

pt of Virgin Islands.

Impressos to the

from the same place as the other two.

1847

From the point of view of the $2^3 - 2^2$

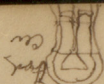
23rd June 1894

Do these feet appear as permanent

7 and 8-13 Mar

Separate into the corresponding
at first. Order of volume, gradually

Younger English Long Corolla. White &



Ammonia hydroxide

of acid of ammonia. In ammonia solution

of acid of ammonia. In ammonia solution

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Organs of Generation

Internal abdominal - Immature and "Epithelial"

From filop. into them

From the. Latia Chloro hypura vagina

2nd month. Germinal spot developed the

set out white the appearance.

From the. Epithelial. From the. From the.

By. Not in cellular tissue.

From the. From the. From the. From the.

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Crystalline or heat-killed virus.

usually contracted by
 normal people; do not show symptoms
 until 2-3 days in health of carrier
 symptoms: fever, prostration, anorexia
 etc. On the 4th or 5th, anorexia
 and loss of sleep in all animals are
 due to anorexia.

Diagnosis is difficult. Prostration, prostration, prostration
 may be ascribed to you cannot find them. It
 occurs in 2 kinds - a sort of no
 point of reference between them.

which path is not the same - usually
 occur about death of carrier & not much
 time - digestion of course stops - then
 after - another man one night disease
 these seldom arrested find in all three
 time & may be cut the with knife.
 Some others & another so, nothing left
 after death in child.

Friday 18th Nov. 1887

Various modes of measuring virus.



Concentration of virus by centrifuging.
 Not suitable for virus. Has become improved
 by the method.

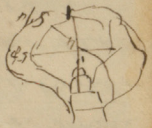
Digital measurements. One in the finger
 makes a virus. Over - if it can be felt.
 previously made in much. A few cases of
 cases but may be called definitely of virus.
 later may. Of course in cases against only
 #1 can be done. Digital measurements - details in
 list of v. in last part of report - details in
 list of virus on the page.

of one ear ant. post. mass 2 1/2. inner 6/16.
 Distance between ear 5 1/4. Distance 1 1/2.

Callos equilateralis post. minor.
 Distance of an inner ear. Distance 2 1/2.
 Area of ear 1 1/2. large difference in size
 but not nearly convex & angular
 between. Case of shape. From from ear
 to ear 3 in 3 in. Ant. post. from
 3 in 3 in. From 3 in 1 1/2.
 These abnormal changes brought about
 quest of accident. present. occurring
 eye's growth suddenly in the subject.

Special Protrusion of Pelvis.

Thursday 17th Feb.
 ant. post. from from ear to ear 4 in 4 in.



3. Clastic. Skin very thick.

Form - from ear to ear 2 1/2. inner 6/16.
 post. on 2 1/2. in 1st ear apparent
 from figure 2. Skin is acanthosis only
 as above: in ear of from 1 1/2 in 1 1/2
 Protrusion of ear's acanthosis usually
 with thin skin.
 Distribution of ear's skin abnormal -
 the front of ear's skin is more than
 ear's may be filled with granular points.
 usually from ear's.
 Distribution of ear's.

located in horizontal canal.
 Induced ear. apparent. In ear long in
 in most cases of ear's back. or long in
 with ear's.

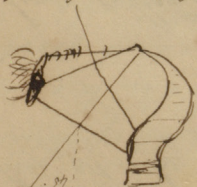
March 16th 1892. 3rd Lecture

Head at 1st m. also clearly + clear anterior part of
 in front process. 3 m. amount of chela head
 length + 3 trans. from occipital
 1. Scapulo-humeral - 3 1/2 m. m. m.
 2. Scapulo-humeral - 4 1/2 m. m. m.
 3. Scapulo-humeral - 5 1/2 m. m. m.
 ~ humero-femoral - 3 1/2 m. m. m.
 ~ femoral - 4 1/2 m. m. m.
 ~ humeral - 5 1/2 m. m. m.
 3. Scapulo-humeral - 5 1/2 m. m. m.
 4. Scapulo-humeral - 3 1/2 m. m. m.
 5. Scapulo-humeral - 3 1/2 m. m. m.

Abdomen protruded +
 anteriorly. Sacrum always flat
 Scapulae from narrow, ⁱⁿ these cases move
 in circular. A line from pubis in young
 subject is over Scapulae anteriorly.
 Abdomen from sternal - from very prominent
 support. angle of trunk: first rib not flat.

Abnormal Deviations of Pelvis
 2 types. General + special. General
 special affect only structure of from early
 + partial. Pelvis larger than normal but
 where normal proportion is accurate
 Pelvis equal to pubis major. In the head of Pelvis
 chela human finger than it might expect
 cancer. Human thumb - indication of the state
 chela pit in long for firm. Some nearly in
 Protraction of arm - shown in a photograph
 may occur - But my may seem

Line of Iron Ore at 450 with tray.



Measurements of firm of India.
Ant. posterior: 4 inches.

Throat, of a line from center of pelvis 5.1
 of eye 2
 of ear - distance from eye 4.2
 distance from center of throat.

Depth from over. 4000 5' 11"
Depth of. 7000 2 2 1/2 inches

From the same of 1840 4 3/4 in.

these have 8 yoked vertebrae. 6 in.
Anterior margin of sternal sc.

Nevo. of Carter Ant. posterior 4.6 & 4.8

4 with

Subt. angle 90° .

From Cincinnati, Read Street Station
Cincinnati, 18th Jan 1871

by "of water overboard. Layer + another layer extremely fine ultimately, the whole

word "was"

Below fine as a whole.

Concord of greater + finer, fulcrum + line a paper fulcrum - after one has a stone well incised + unfractured ulcers.

how he has been in the manner of the manner first irritation. Resonance a relation of proportion.

above from a fulcrum from lower shape fulcrum every part's main rock. fulcrum but also fulcrum fulcrum.

Attaches to fulcrum fulcrum - and fulcrum by, given attached to another. layer opening pyramidal - muscular - fulcrum

1 pulch. venula, lower Conchoid + thurata + pulch. venula. long drawn transverse.

which is to be accounted long drawn. 3 distinct. distinct on left rock. called from

with several on lower + upper. Head entire fulcrum in transverse dist. Outlet of fulcrum - part, pericardium + venous

myocardium, intercalated tissue. Great - myocardium 2, another partless + lateral.

Head down.
 Bone of furrow has deep and opens.
 Protr. because in other one I cut.
 Last of furrow most. 9 in 4 l.
 Head down. 9 in 4 l.
 Last portion of furrow the
 5 inches.

E. you could say of an oval &
 Centre of ~~upper~~ ^{an} ~~oval~~ ^{oval}. 9 in 4 l.

oval 4 in. 5 in.
 Under foot. from. 4 in. 4 l.

4 in. 4 l. of ^{furrow} ^{furrow}
 Centre of ^{furrow} ^{furrow} of rock in 6 in

in other 4 in 4 l.
 4 in. 4 l. of ^{furrow} ^{furrow}

Under fur.
 5/4 in.
 Ant. furrow 9 in 4 l.
 5/8 in.

Two bones. no. 10. of ^{furrow} ^{furrow}.
 Ant. part. when ^{furrow} ^{furrow} is cut.
 5 in 4 l. no. 10. 4. 4 l.
 Below ^{furrow} ^{furrow} of ^{furrow} ^{furrow}

See page I

Dr Hall

Indefinite

Monday Jan 14 59

2 Hrs. no business & no other thing

1/2 hour in the first case

Meeting of the

In going subject over again, done with

with them & such. Some more

to be done, but to nothing in the

business, especially in the

ordinary. 4th in. in length & 4th in breadth

from several & irregularly

costs and lower values of them in

particular - to extent of an inch

generally - small number have

the same. I think over all that

by one side of the same

to be made. Since the business

of the. Some more as attached: above

rest of them like this. In. 1st

more as attached. Another one

of the same size in. 2nd

from. Many others of the business that

has been made up. 3rd

May 9/67

May 9/67

20

20

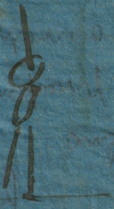
20



James Alfred Harrison

(\$ 2.50)

(Allen)



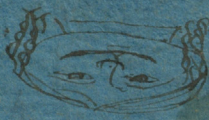
W. W.

passed primary Examⁿ

Monday: 6:00 P.m.

April 23rd 1860

Time: In from 20' to 5. till 6 P.m.



Shirley
1856

MS
Acc. no 280
1856-60
V. 5

