

Mongolism and its pathology:- an analysis of 8 cases

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Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
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Mongolism & its Pathology

An analysis of 8 Cases.

Kutram Hill. (27 1st of med. Oct 1908)

Etiology. In most thinking to constant feature
presence of some depressing influence & 3
first 3 period of mother, in consequence will
fact that fully 50% are late members of
large fam^y. & mothers over 40. In the
8 cases bad health in 4, & 2 of these 4, feared

	Fat age	Mom age	
1	44	41	3 rd class
2	41	41	10 & last but one
3	43	39	2 nd & 8 class
4	43	43	10 & last but one
5	42	24	2 nd class
6	42	41	9 th & last
7	42	40	12 & last but one
8	52	40	1 st class

Wigganet in study of 37 cases (Lieber 1906
Arch de Neurologie
1905-1908)

In many last ch. of large fam^y

Parents of 2nd class with depression of 4/1

Proclonus. 3% to 4% of all cases of p. m. l. l.
in Eng. and Am. most common in Continent.
? Cong. with infantile myx. 4 times as
frequent as Cretinism. Of 100 cases
3 males, 5 f. Of 100 cases collected
46.5% f. 53.5% m.

"Mongolism" may be defined as a cond.
of congenitally arrested develop^t, both
physical & mental, characterized by
brachycephaly, combined with the type
of physiognomy seen in the Mongolian
races, together with, in the later years,
a definite & characteristic appearance
of the tongue.

Phys. ch. Shortening of a-p diam of skull.
Flattened occiput. Absence of occipital protub.
Ovallelision - of a & p planes. c. p. r
Transverse diam nearly equal

age						Face length
$5\frac{1}{2}$	C. 2.	11.	$11\frac{1}{2}$	$18\frac{1}{2}$	$4\frac{1}{4}$	$4\frac{1}{2}$
3	3.	$10\frac{1}{2}$	10	17	$4\frac{1}{4}$	$4\frac{1}{4}$
2	4.	$10\frac{1}{2}$	11.	18	$4\frac{1}{4}$	$4\frac{3}{16}$
$\frac{11}{12}$	5.	$9\frac{1}{2}$	10.	16		
$\frac{9}{12}$	6.	$8\frac{3}{4}$	$9\frac{1}{2}$	$14\frac{1}{2}$	4	$4\frac{1}{2}$
$\frac{8}{4}$	2.	$10\frac{1}{2}$	$11\frac{1}{2}$	$18\frac{1}{2}$		

Frontal sinuses & cranial features close later.

No minor cases (Archives of Ped 1903. 161-8.)

Age of closing 26 cases - 2.5 yrs. latest 4 yrs.

Colors of hair - Hair large & long fair -

(dark brown. 2mm² light brown - $1\frac{1}{2}$

No case of straight & sparse

Ear 1.0 constant anomaly

Face. Round often depicted as a whole.

Lower part of forehead on plane post^r
to that of upper. Cheek & chubby. Roundly.

Neck short with depressed bridge.

Cartilage broadened out -

Brownish or describes a genuine horse.

Eyebrows tend to turn upwards & slightly
outwards. Palpebral fissures narrow
& close downwards & inwards

Fussell reports 3 cases normal: 1 recovered
in 5.1904. 1 Lancet 1905
in failure for hydrocephalus or thalamic
lesion in any place off the table up.

Strabismus frequent but not unusual
Mouth small & normal constantly open
Lips sensitive soft loose, & fissured in
5 cases.

In younger subjects Tongue protruded
Vagt reports a case at 16. ^{1907. 445-82} ^{1907. 445-82} ^{1907. 445-82}

Hacked Tongue - In 18 cases

$\frac{11}{12}$ & $\frac{9}{12}$ normal 3 yrs normal

$1\frac{1}{2}$ slightly fiss & $5\frac{1}{2}$ Enlarged papillae

or Papillae slightly Enl. ^{no fissuring} ^{no fissuring}

4. " " much. ^{no fissuring}

V-shaped & other deep of palate common.

Mucous 67% of cases Hile 6/8 of this

Mongols - 124. Type Ref 1406

0.2 % of Mongolian Type
of 76 adults
6 in.

In 22 yrs. 72 mongols added
4616 319.

Last-born 42 = over 50%
Returned 16 = 22%
First-born 14 = nearly 20%

No other of the child

Dist. delayed & irregular. 34% Page:
1st 1/12 to 2/12 last full: 14 at 14 in. last as 31% 25% 240 last as
1st at 2 1/2 1st in 4 1/2 yr.

Trunk - Heart disease - in cases dying under 3

Femur 3 case. 8.13. & 27 had heart d.

In 133 cases 20% of h. d. in 13.3%

Late develop of thymal cancer.

Obesity delayed. Radiograph.

Hands - These broad & stumpy

2 of these cases normal

For those thin & clumsy

laying of joints - probably due to
deficient toning of muscles.

Abundant, though at angles.

Extremities said by Hubert and Page
to be short in length of bones?

Undersized - Karsenty (Infantiles 1902)
3' 10" to 4' 0" below normal height

Stills 0 cases height def. by 4.5 in
Pachytele?

Enlarged tumorous breast - fest
Blood red cells diminished
70% of haemoglobin - 3,600,000 -

Speech delayed - 8.

- Motor. Do not hold up head till 3.

Nervous System. Cut trust diminished
Knee jerk. Normal large wasting. Normal
in 6 - absent in 5.

Morbid Anatomy

Bonesville Nebraska 1901.

(Philadelphia to Boston)

Look up. Stomach then normal & streaming
extends to white substance. Necrosis
Resorption of cells.

Convol. penetrable much less than normal
No Sclerosis. Scanty of red cells

Still suggests toxic degeneration or chronic
inflammation produced by some mild infect
in blood, affecting fibres more than cells

Thyroid. Burnside says Crabs are
thickened.

Bone 16. usually 18 ang.

Hells 2 cases -

Line 8 & 11.

44 vi. post. to Roland's area flatter
than those in front

Principal fissures - well marked
Mucous cells obscure.

Conclusions.

Monog. 100% but of large fan? present in 100
in majority of cases
3 to 5 p.c. of all cases of edema have

not seen on continent

Reflexes - or sluggish

- No w. of prem. reflexes of base.

Causes of myelitis -

70% die 100% of acute inflammation
before delayed effects of bone.

Most cases in 100% to 70% of cases
Mortality influence 1/2 months of l. a. life.

Suppose the American people

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