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邦人顛顛骨ノ研究

岩様骨錐體部ノ傾斜度ニ就テ

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緒 言

顛顛骨殊ニ聽器部分並ニ手術時緊要ナル部位ノ外科的局所解剖學ノ研究ハ甚ダ多ク擧ゲテ數フベカラズ。而シテ此等諸部位ノ頭蓋形狀ニ依ル變化ニ關シテモ亦既ニ多ク Kerner, Virchow, Randall, Schoenemann, Zuckerkandi, Iwanoff,

原著 岩田||邦人顛顛骨ノ研究、岩様骨錐體部ノ傾斜度ニ就テ

一〇四一

岩田一、菊地、金杉、森川氏等ノ業績發表セラレ、余亦嚮キニ邦人ニ於ケル外聽孔形態並ニ顛顛鱗(未發表)ノ頭蓋形狀トノ關係ニ就キテ其ノ詳細ヲ發表セリ。

元來、顛顛骨中最モ緊要ナル部分、即チ聽器ヲ包藏セル岩樣骨錐體部ノ長軸ハ一般成書ニ記載スル所ニ依レバ頭蓋正中面ニ對シ略々四五度ノ角度ヲナス。即チ上半規管ノ延長線ト頭蓋正中面トハ四五度ノ角度ヲナシ、後半規管並ニ歐氏管ハ略々錐體上緣ニ並行ニシテ同様四五度ノ角度ヲ有スト。

然レドモ之レガ詳細ナル研究業績ハ未ダ殆ンド見ルベキモノナク唯、Virchow、森川兩氏等ノ研究ニ依リ該角度ハ成書ノ記載スル所ニ比シ著シク大ナルヲ知ルノミ。

Virchow 氏ニ據レバ兩側岩樣骨錐體部ノ爲ス角度ハ鈍角ヲナシ長頭顛ニ於テハ一〇五度、短頭顛ニ於テハ一〇六度ニシテ錐體部ノ頭蓋正中面ニ對スル傾斜度ハ尠クトモ五〇度以上ニ達シ成書ノ記載スル所ニ比シ著シク大ニ頭蓋ノ形狀ニ依リテ差異アルモノノ如シ。Martin 氏モ亦錐體部ノ位置ハ頭蓋形狀ト一致シ、短頭顛殊ニ廣キ基底ヲ有スル Planoccipitale ニ在リテハ錐體部ハ斜ニシテ兩側錐體部ノ軸ノナス角度ハ一〇五—一三〇度ニ達シ、長頭顛ニ於テハ該軸ハ前者ニ比シ嶮岨ナルヲ以テ前後兩者ヲ平均セバ略々九〇度ヲ算ス。サレド該角度ハ個人ニ依リテモ甚ダ區々ニシテ Toldt 氏ハ七五度ヲ算スルニ過ギザルモノアルヲ見タリト云フ。

森川氏ハ最近、支那人頭蓋ニ就キ顛顛骨ノ外科的局所解剖學ニ關スル詳細ナル業績ヲ發表シ、岩樣骨錐體部ノ傾斜度ハ著シク大ニ、左側四九・九度、右側四八・四度ニシテ左側ハ右側ニ比シ大ニ、而カモ該角度ハ頭蓋形狀ニ依リテ影響セラレ、過短頭顛ニ於テ最モ高度ニシテ短頭顛之レニ次ギ長頭顛ニ在リテハ其ノ角度最モ小ナル結果ヲ得タリト。

如斯、岩樣骨錐體部ノ傾斜度ハ頭蓋正中面ニ對シ殆ンド常ニ平均四五度ヨリ大ニシテ而カモ頭蓋形狀ニ依リテ差異アルモノノ如シ。然レドモ如斯、事實ハ歐洲並ニ支那人ニ於テ證明セラレタルニ過ギズシテ邦人頭蓋ニ就テハ余ノ淺

學未ダ之レアルヲ見ズ。此レ余ガ邦人頭蓋ヲ材料トシ詳細ナル該研究ヲ施行シ以テ邦人解剖學ノ一端ヲ補遺セントスル所以ナリ。

第一章 研究材料並ニ研究方法

研究材料。余ガ本研究ニ供セル材料ハ凡テ金澤醫科大學解剖學教室所藏ニカ、ル曝齒北陸地方邦人頭蓋ニシテ頭蓋頂ノ鋸斷セラレタルモノノ内、何等病的變化並ニ磨耗缺損ヲ認メザルモノ二〇四個(四〇八顛顚骨)ナリ。而シテ此等頭蓋ノ頭蓋形狀、年齢及ビ性的内譯ハ第一表ニ表示セルガ如シ。

第一表 頭蓋形、年齢及ビ性的内譯

| 頭蓋形 | 年齡 | | 10-19 | | 20-49 | | 50-X | | 不詳 | | 計 | |
|-------------------|----|---|-------|---|-------|----|------|----|----|----|-----|----|
| | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ |
| Hyperbrachyceph. | — | — | — | — | 2 | 3 | 1 | 1 | — | — | 3 | 4 |
| Brachyceph. | — | 1 | 2 | 3 | 5 | 7 | 6 | 8 | 1 | 1 | 14 | 20 |
| Mesoceph. | — | 1 | 7 | 2 | 36 | 11 | 15 | 11 | 7 | 5 | 65 | 30 |
| Dolichoceph. | — | — | 3 | 1 | 17 | 2 | 12 | 3 | 5 | 1 | 37 | 7 |
| Hyperdolichoceph. | — | — | — | — | 1 | — | 1 | — | — | — | 2 | — |
| 計測不能 | — | — | — | 1 | 5 | 2 | 4 | 1 | 5 | 4 | 14 | 8 |
| 計 | 1 | 2 | 12 | 7 | 66 | 25 | 39 | 24 | 18 | 11 | 135 | 69 |
| | 2 | | 19 | | 91 | | 63 | | 29 | | 204 | |

研究方法。森川氏ハ該傾斜度ノ計測ニ際シ豫メ正中面ヲ求め、之レニ對スル錐體上縁ノ角度ヲ硝子面ニ透寫シテ計測セリト記載スルノミニシテ何等詳細ナル記載ナキモ元來頭蓋正中面ヲ求ムルハ甚ダ難事ニ屬シ嚮キニLoritz氏ガ頭蓋正中面ニ對スル岩鼓破裂ノ位置的關係ノ研究ニ際シ極言セル所ナルモNorma basilarisニ於ケル頭蓋正中面ハ大後頭孔、斜台及ビ口蓋ヲ正中斷シ、兩側中門齒ノ中間ヲ通ル面ナリ。然レドモ該面ハ幾多ノ例ニ於テNorma verticalisニ於ケル頭蓋正中面ト一致セザルモノアリ。如斯例ニ在リテハ「ナジ

オン」及ビ「イニオン」ノ位置ヲ描寫シ該點間ヲ連絡セル直線ニ於ケル面ヲ以テ正中面トナセリト。
 余ハ豫メ被檢頭蓋ヲ鈴木氏頭蓋保持器ヲ以テ Norma verticalisニ置キ「ナジオン」及ビ「イニオン」連結線ヲ含ム面ヲ以テ頭蓋正中面トナシ「イニオン」ノ不明ナルモノニアリテハ「ナジオン」及ビ「バジオン」連結線ヲ含ム面ヲ以テ頭蓋正中面トナシ、該面ニ對スル錐體上緣延長線ノ爲ス角度ヲ硝子面ニ透寫シ角度計ヲ以テ可成の精確ナル計測ヲ行ヘリ。

第二章 研究成績

邦人頭蓋ニ於ケル岩樣骨錐體部ノ頭蓋正中面ニ對スル傾斜角度ハ $MHE(M) \parallel 46.89^\circ$ 、 $H.O.I.$ ニシテ支那人 ($N \parallel 49.2^\circ$) 及ビ歐洲人 (Virchow 氏ノ短頭顱及ビ長頭顱ニ於ケル平均角度 52.8°)ニ比シ著シク小ニ、成書ニ記載セラレタル角度(四五度)ニ近シ。

第2表 兩側岩樣骨錐體部ノ爲ス角度

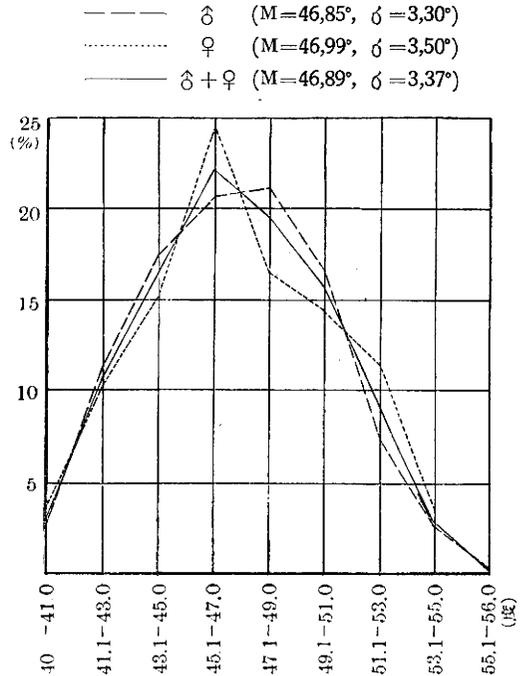
| 頭蓋形 | 日本人 (岩田) | 支那人 (森川) | 歐洲人 (Virchow) |
|------------------|-------------|-------------|------------------|
| Hyperbrachyceph. | 95,7° | 99,9° | — |
| Brachyceph. | 95,0° | 97,3° | 106° |
| Mesoceph. | 94,5° | 97,3° | — |
| Dolichoceph. | 92,5° | 93,9° | 105° |

兩側岩樣骨錐體部上緣延長線ノ交點ニ於ケル角度ハ邦人ニ在リテハ全ク直角ナルモノ九例(四・四一%)、銳角ナルモノ四一例(二〇・一〇%)、及ビ鈍角ナルモノ一五四例(七五・四九%)ニシテ其ノ最大並ニ最小ハ一〇八・〇一八三・〇度ナルモ支那人ニ於テハ全ク直角ナルモノ一例(〇・八八%)、銳角ナルモノ七例(六・一四%)、鈍角ナルモノ一〇六例(九二・九八%)ニシテ邦人ニ比シ直角並ニ銳角ナルモノ甚ダ稀ニ、其ノ最大並ニ最小ハ一一・二〇一八五・〇度ニシテ稍大ナリ。而シテ歐洲人ニ於ケル詳細ハ殆ンド不明ナルモ其ノ最大並ニ最小ハ一三〇・〇一七五・〇度ニシテ著シク大ナリ。該角度ノ頭蓋形狀ニ依ル差異ハ第二表ニ示セルガ如ク一般ニ頭蓋長幅示數ノ大トナルニ從ヒ該角度ハ漸次大トナリ、短頭顱及ビ長頭顱間ノ差異ハ邦人ニ五度、支那人三・四度、歐人一・〇度ニシテ支那人ニ於テ其ノ差異最モ顯著ナルヲ見ル。邦人岩樣骨錐體部ノ頭蓋

第 3 表 岩様骨錐體部ノ傾斜度ノ性的關係(度)

| 性 | n | M ± E(M) | σ ± E(σ) | V ± E(V) | Max. - Min. | D ± E(D) |
|-------|-----|--------------|-------------|-------------|-------------|----------------------|
| ♂ | 270 | 46,85 ± 0,14 | 3,30 ± 0,10 | 7,04 ± 0,20 | 56,0 - 40,0 | 0,14 ± 0,24 ♂ = ♀ |
| ♀ | 138 | 46,99 ± 0,20 | 3,50 ± 0,14 | 7,45 ± 0,30 | 55,0 - 40,0 | |
| ♂ + ♀ | 408 | 46,89 ± 0,11 | 3,37 ± 0,08 | 7,19 ± 0,17 | 56,0 - 40,0 | |

Fig. 1, 傾斜度ノ性的關係



正中面ニ對スル傾斜度ノ性的關係ハ第三表ニ示スガ如ク何等性的差異(D ± E(D) = 0,14 ± 0,24)トシテ認ムルコト能ハザレドモ女性ハ男性ニ比シ稍大ナル傾向ヲ有ス (Fig. 1 參照)。而シテ之レガ年齢的關係ハ第四表ニ示

セルガ如ク甚ダ興味アルモノアリ。即チ若年期ニ於ケル該傾斜角度ハ成年(D ± E(D) = 1,48° ± 0,37°)及ヒ老年期(D ± E(D) = 1,57° ± 0,37°)ニ比シ大ニ其ノ差異顯著ナルモノアルモ成年以後ニ於テハ全ク何等ノ差異(D ± E(D) = 0,09° ± 0,23°)ナシ (Fig. 2 參照)。

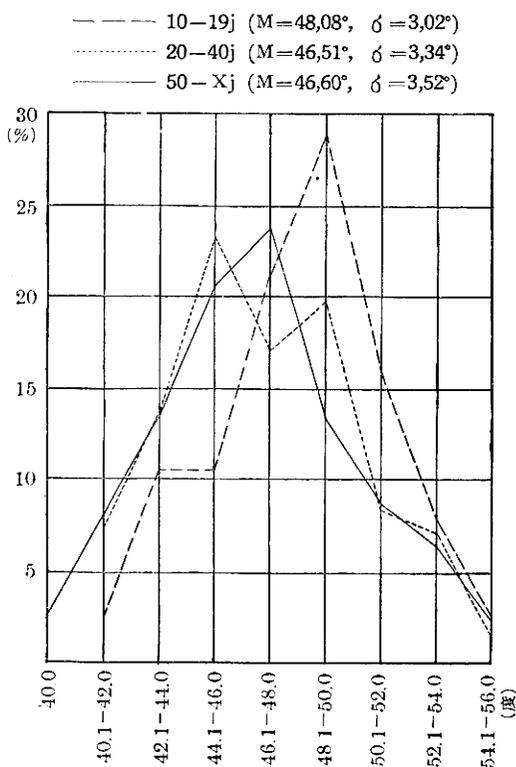
幼年期於ケル余ノ材料數ハ甚ダ僅少ニシテ勿論其ノ精確ヲ期スルコト能ハザルヲ以テ表中ヨリ削除セルモ平均傾斜角度ハ實ニ五一・五度ニ達シ、該角度ハ加齡的ニ漸次減少シ成年期ニ達スレバ略々直角ニ近ク成年以後ニ於テハ全ク差異ナキモノナルヲ知ル。

岩様骨錐體部傾斜角度ノ左右側間ノ關係ニ就テハ森川氏ハ左側四九・九度、右側四八・四度ニシテ左右間ノ差異ハ D ± E(D) = 1,49° ± 0,27°ヲ算シ左側ニ於テ著シク大ナル結果ヲ得タルモ余ハ第五表ニ示セルガ如ク右側ニ於テ大ニ

第 4 表 岩様骨錐體部ノ傾斜度ノ年齢的關係(度)

| 年 齡 | n | M ± E(M) | σ ± E(σ) | V ± E(V) | Max.—Min. | D ± E(D) |
|-------|-----|--------------|-------------|-------------|-------------|-----------------------------------|
| 10-19 | 38 | 48,08 ± 0,33 | 3,02 ± 0,23 | 6,28 ± 0,49 | 55,0 - 42,0 | 1,57 ± 0,37 |
| 20-49 | 182 | 46,51 ± 0,17 | 3,34 ± 0,12 | 7,18 ± 0,25 | 55,0 - 40,5 | (10-19j) > (20-49j) |
| 50-X | 126 | 46,60 ± 0,16 | 3,52 ± 0,15 | 7,55 ± 0,32 | 56,0 - 40,0 | 0,09 ± 0,23 (20-49j) ≐ (50-Xj) |

Fig. 2, 傾斜度ノ年齢的關係



D ± E(D) = 2.69° ± 0.21°、男女ニ於ケル左右ノ關係モ亦全く同様、右側ニ大ナル結果ヲ得タリ(Fig. 3 参照)。之レ果シテ人種の差異ニ依ルモノナリヤ否ヤニ就テハ猶將來ノ研究ニ俟ツ。

頭蓋正中面ニ對スル錐體部傾斜角度ハ頭蓋形狀ニ依リテ差異アルモノノ如ク Virchow, Martin 及ビ森川氏等ノ等シク認ムル所ナリ。即チ Virchow 氏ハ短頭顱ニ於テハ一〇五度、長頭顱ニ於テハ一〇六度ニシテ其ノ差ハ僅カニ一度ニ過ギザレドモ短頭顱ニ於テ大ニ、頭蓋長幅示數ノ増加スルニ從ヒ漸次減少スル傾向ヲ認メ、Martin 氏ハ岩様骨錐體部ノ位置ハ頭蓋形狀ニ一致スト稱シ、森川氏ハ第六表ニ記載セルガ如ク過短頭顱ニ於テ最モ高度ニシテ短頭顱之レニ次ギ長頭顱ニアリテハ其ノ角度最モ小ナル結果ヲ得タリト報告セリ。(氏ノ附録セル原表ヨリ算出セリ)

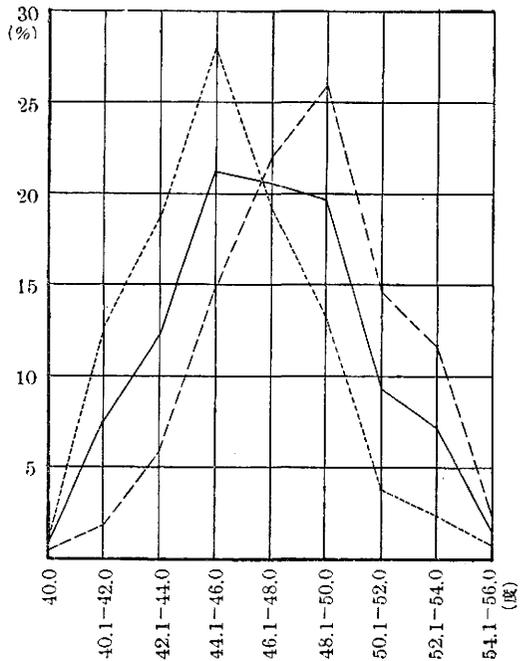
第六表ニ示スガ如ク大體ニ於テ支那人頭蓋ニ於ケルト同様ニシテ過短頭顱ニ於テ最モ高度ニ短頭顱之レニ次ギ長頭顱

第 5 表 岩様骨錐體部ノ傾斜度ノ側間關係(度)

| 性 | 側別 | n | M ± E(M) | σ ± E(σ) | V ± E(V) | Max.—Min. | D ± E(D) |
|-----|----|-----|--------------|-------------|-------------|-------------|----------------------|
| ♂ | R | 135 | 48,00 ± 0,18 | 3,14 ± 0,13 | 6,54 ± 0,27 | 56,0 — 40,0 | 2,36 ± 0,25 R > L |
| | L | 135 | 45,64 ± 0,18 | 3,03 ± 0,12 | 6,64 ± 0,27 | 55,0 — 41,0 | |
| ♀ | R | 69 | 48,69 ± 0,24 | 2,97 ± 0,17 | 6,10 ± 0,35 | 55,0 — 41,0 | 3,32 ± 0,35 R > L |
| | L | 69 | 45,37 ± 0,25 | 3,14 ± 0,18 | 6,92 ± 0,40 | 55,0 — 40,0 | |
| ♂+♀ | R | 204 | 48,22 ± 0,15 | 3,10 ± 0,10 | 6,43 ± 0,21 | 56,0 — 40,0 | 2,69 ± 0,21 R > L |
| | L | 204 | 45,53 ± 0,14 | 3,05 ± 0,10 | 6,70 ± 0,22 | 55,0 — 40,0 | |

Fig. 3, 傾斜度ノ左右的關係

—— R (M=48,22° σ=3,10°)
 L (M=45,53° σ=3,05°)
 ——— R+L (M=46,89° σ=3,37°)



ニ於テ最モ小ナル傾向ヲ認メ得タリ。然レドモ如斯、頭蓋形狀ニ依ル確實ナル差異ハ唯短頭顱(過短頭顱ヲ含ム。M ± E(M) = 47,51° ± 0,27°)及ビ長頭顱(過長頭顱ヲ含ム)間 (D ± E(D) = 1,25° ± 0,35°) 並ニ中頭顱及ビ長頭顱間 (D ± E(D) = 0,99° ± 0,28°) ニ於テ認ムルノミニシテ短頭顱及ビ中頭顱間 (D ± E(D) = 0,26° ± 0,31°) ニ於テハ全く存在セス (Fig. 4 參照)。

第三章 綜 括

北陸地方邦人頭蓋ニ於テ過短頭顱七個、短頭顱三四個、中頭顱九五個、

長頭顱四四個、過長頭顱二個及ビ頭蓋形狀不明ナルモノ二二個即チ合計二〇四個(♂一三五個、♀六九個)ニ就キ岩様

年期四八・〇八度、成年期四六・五一度ニシテ加齡的ニ漸次小トナリ、右側(MH E(M) = 48.22° H 0.15°)ハ左側(MH

第 6 表 岩様骨錐體部ノ傾斜度ト頭蓋形態トノ關係(度)

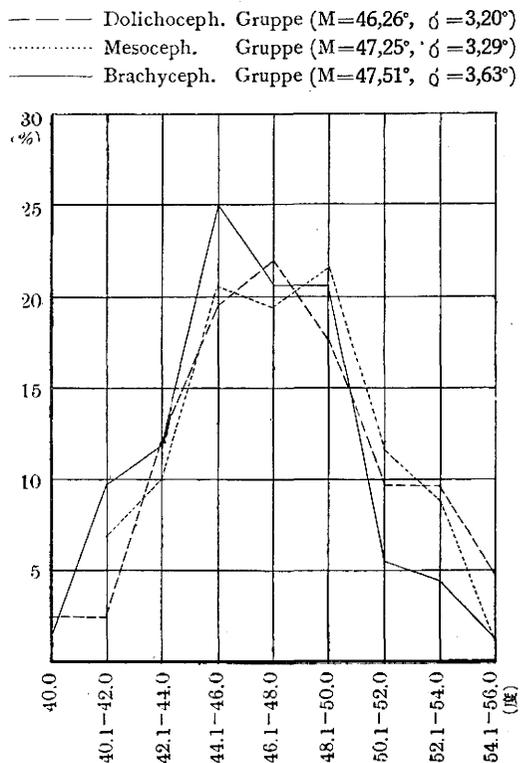
| 頭蓋形 | n | M ± E(M) | σ ± E(σ) | V ± E(V) | Max.-Min. | |
|--------------|-----|--------------|-------------|-------------|-------------|--------------|
| Hyperbrachy. | 14 | 47,86 ± 0,77 | 4,26 ± 0,54 | 8,90 ± 1,13 | 55,0 - 40,5 | 岩 田 (日本人) |
| Brachyceph. | 68 | 47,49 ± 0,29 | 3,51 ± 0,20 | 7,39 ± 0,43 | 55,0 - 40,0 | |
| Mesoceph. | 190 | 47,25 ± 0,16 | 3,29 ± 0,11 | 6,96 ± 0,24 | 55,0 - 41,0 | |
| Dolichoceph. | 92 | 46,26 ± 0,23 | 3,20 ± 0,16 | 6,92 ± 0,34 | 56,0 - 40,0 | |
| Hyperbrachy. | 54 | 49,93 ± 0,26 | 2,78 ± 0,18 | 5,57 ± 0,37 | 56,0 - 44,0 | 森 川 (支那人) |
| Brachyceph. | 78 | 48,67 ± 0,26 | 3,46 ± 0,19 | 7,11 ± 0,38 | 56,5 - 41,0 | |
| Mesoceph. | 72 | 48,65 ± 0,25 | 3,20 ± 0,18 | 6,58 ± 0,37 | 56,5 - 41,5 | |
| Dolichoceph. | 24 | 46,92 ± 0,48 | 3,49 ± 0,34 | 7,44 ± 0,72 | 55,0 - 42,0 | |

原 著 岩田||邦人頭顱骨ノ研究、岩様骨錐體部ノ傾斜度ニ就テ

骨錐體部ノ頭蓋正中面ニ對スル傾斜度ヲ計測セル結果ヲ綜括スルニ次
ノ如シ。

- (I) 邦人頭蓋ニ於ケル岩様骨錐體部ノ頭蓋正中面ニ對スル傾斜度ハ
 $MH E(M) = 46.89^\circ H 0.11^\circ$ (♂ $MH E(M) = 46.89^\circ H 0.14^\circ$, ♀ $MH E(M) = 46.69^\circ H 0.20^\circ$)ニシテ歐人並ニ支那人ニ比シ著シク小ニ、成書ノ
 記載(四五度)ニ近シト雖モ猶約二度大ナリ。
- (II) 該傾斜度ハ女性ハ男性ニ比シ稍大ナル傾向ヲ有スルモ全ク性的差
 異(DH E(D) = 0.14° H 0.24°)ヲ認メズ。然レドモ幼年期五一・五度、少

Fig. 4, 傾斜度ノ頭蓋形狀トノ關係



$E(M) = 45.53^\circ$ $H(0.14^\circ)$ ニ比シ常ニ大ニ年齢的並ニ左右的差異($D+H(D) = 2.69^\circ$ $H(0.21^\circ)$)顯著ナリ。

(III) 該傾斜度ト頭蓋形狀トノ關係ハ先進諸家ノ如ク明ラカニ之レヲ認メ短頭顱($M+H(M) = 47.51^\circ$ $H(0.27^\circ)$)ハ長頭顱($M+H(M) = 46.26^\circ$ $H(0.23^\circ)$)ニ比シ大ニ其ノ差異($D+H(D) = 1.25^\circ$ $H(0.35^\circ)$)著明ニシテ頭蓋長幅示數ノ大サニ正比例スルヲ認ム。

(IV) 邦人頭蓋ニ於ケル兩側岩様骨錐體部上緣延長線ノ交點ニ於ケル角度ハ九三・八度(一〇八・〇一八三・〇度)ニシテ歐洲人(一一三・〇一七五・〇度)及ビ支那人九八・三度(一一二・〇一八五・〇度)ニ比シ著シク小ニ而カモ個人的差異比較的尠シ。

拙筆ニ臨ミ御懇篤ナル御指導ト御校閲ノ勞ヲ賜ハリタル恩師岡本教授ニ對シ感謝ノ意ヲ表ス。

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|-----------|----------|--------|--------------|---------------|------|------|-----------|----------|--------|--------------|---------------|------|------|
| 103 | No. 518 | ♂ | 55 j | M. | 49.0 | 47.0 | 154 | No. 531 | ♂ | 45 j | B. | 47.5 | 46.0 |
| 104 | No. 519 | " | 67 j | " | 44.5 | 41.0 | 155 | No. 543 | " | 81 j | " | 52.5 | 46.0 |
| 105 | No. 532 | " | 50 j | " | 50.0 | 48.0 | 156 | No. 47 | ♀ | 44 j | " | 50.0 | 47.0 |
| 106 | No. 533 | " | 34 j | " | 46.0 | 43.5 | 157 | No. 48 | " | 63 j | " | 48.0 | 55.0 |
| 107 | No. 536 | " | 20 j | " | 43.0 | 46.0 | 158 | No. 82 | " | 44 j | " | 47.5 | 43.0 |
| 108 | No. 538 | " | 32 j | " | 47.0 | 45.0 | 159 | No. 108 | " | " | " | 46.0 | 47.5 |
| 109 | No. 542 | " | 82 j | " | 51.5 | 43.5 | 160 | No. 234 | " | 17 j | " | 46.0 | 49.0 |
| 110 | No. 549 | " | 38 j | " | 47.0 | 45.0 | 161 | No. 236 | " | 9 j | " | 53.0 | 51.0 |
| 111 | No. 557 | " | 18 j | " | 51.0 | 46.0 | 162 | No. 249 | " | 83 j | " | 48.0 | 43.0 |
| 112 | No. 41 | ♀ | 47 j | " | 47.0 | 43.5 | 163 | No. 279 | " | 68 j | " | 50.0 | 45.0 |
| 113 | No. 44 | " | 58 j | " | 50.5 | 46.5 | 164 | No. 300 | " | 19 j | " | 50.0 | 47.0 |
| 114 | No. 49 | " | 31 j | " | 49.0 | 48.0 | 165 | No. 324 | " | 34 j | " | 49.0 | 43.0 |
| 115 | No. 60 | " | — | " | 53.0 | 50.0 | 166 | No. 394 | " | 71 j | " | 55.0 | 52.0 |
| 116 | No. 62 | " | — | " | 50.5 | 47.0 | 167 | No. 426 | " | 22 j | " | 52.5 | 44.0 |
| 117 | No. 149 | " | 56 j | " | 41.0 | 42.0 | 168 | No. 428 | " | 66 j | " | 50.0 | 44.0 |
| 118 | No. 184 | " | — | " | 48.0 | 42.0 | 169 | No. 443 | " | 34 j | " | 52.0 | 44.0 |
| 119 | No. 204 | " | — | " | 49.0 | 45.5 | 170 | No. 481 | " | 63 j | " | 53.0 | 46.0 |
| 120 | No. 264 | " | 8 j | " | 52.0 | 50.0 | 171 | No. 487 | " | 36 j | " | 45.5 | 45.0 |
| 121 | No. 284 | " | 58 j | " | 53.0 | 45.5 | 172 | No. 495 | " | 79 j | " | 47.0 | 40.0 |
| 122 | No. 305 | " | 34 j | " | 49.0 | 47.0 | 173 | No. 496 | " | 18 j | " | 49.0 | 44.0 |
| 123 | No. 331 | " | 31 j | " | 53.0 | 48.0 | 174 | No. 520 | " | 38 j | " | 44.0 | 46.0 |
| 124 | No. 367 | " | — | " | 47.0 | 42.5 | 175 | No. 556 | " | 66 j | " | 47.0 | 40.0 |
| 125 | No. 383 | " | 73 j | " | 53.0 | 48.0 | 176 | No. 31 | ♂ | 25 j | H. B. | 45.5 | 49.0 |
| 126 | No. 427 | " | 31 j | " | 49.5 | 45.0 | 177 | No. 372 | " | 83 j | " | 47.0 | 42.0 |
| 127 | No. 452 | " | 13 j | " | 55.0 | 53.0 | 178 | No. 572 | " | 45 j | " | 55.0 | 50.0 |
| 128 | No. 460 | " | 35 j | " | 53.0 | 46.0 | 179 | No. 223 | ♀ | 20 j | " | 45.0 | 40.5 |
| 129 | No. 470 | " | 53 j | " | 47.0 | 43.0 | 180 | No. 227 | " | 28 j | " | 54.0 | 47.0 |
| 130 | No. 479 | " | 69 j | " | 49.0 | 51.5 | 181 | No. 280 | " | 77 j | " | 52.0 | 50.0 |
| 131 | No. 484 | " | 72 j | " | 52.0 | 46.5 | 182 | No. 465 | " | 26 j | " | 53.0 | 46.0 |
| 132 | No. 488 | " | 45 j | " | 46.0 | 46.0 | 183 | No. 68 | ♂ | — | — | 45.0 | 48.0 |
| 133 | No. 491 | " | 18 j | " | 50.0 | 51.0 | 184 | No. 69 | " | — | — | 47.0 | 45.0 |
| 134 | No. 503 | " | 47 j | " | 48.0 | 42.0 | 185 | No. 73 | " | — | — | 49.5 | 47.5 |
| 135 | No. 504 | " | 40 j | " | 51.0 | 46.0 | 186 | No. 77 | " | — | — | 47.0 | 42.5 |
| 136 | No. 505 | " | 69 j | " | 50.0 | 44.0 | 187 | No. 410 | " | 21 j | — | 47.0 | 46.0 |
| 137 | No. 530 | " | 37 j | " | 49.0 | 45.0 | 188 | No. 411 | " | 74 j | — | 51.0 | 46.0 |
| 138 | No. 544 | " | 42 j | " | 49.0 | 42.5 | 189 | No. 412 | " | 42 j | — | 49.0 | 44.5 |
| 139 | No. 545 | " | 47 j | " | 49.0 | 48.5 | 190 | No. 413 | " | 22 j | — | 44.0 | 42.0 |
| 140 | No. 548 | " | 69 j | " | 43.5 | 46.0 | 191 | No. 414 | " | 49 j | — | 44.0 | 42.5 |
| 141 | No. 551 | " | 84 j | " | 48.0 | 45.0 | 192 | No. 415 | " | 64 j | — | 50.0 | 44.0 |
| 142 | No. 55 | ♂ | 43 j | B. | 51.0 | 55.0 | 193 | No. 480 | " | — | — | 47.5 | 41.5 |
| 143 | No. 110 | " | — | " | 51.0 | 45.0 | 194 | No. 534 | " | 90 j | — | 47.0 | 41.0 |
| 144 | No. 144 | " | 60 j | " | 46.5 | 47.0 | 195 | No. 585 | " | 54 j | — | 52.0 | 45.0 |
| 145 | No. 244 | " | 55 j | " | 52.5 | 46.5 | 196 | No. 587 | " | 46 j | — | 46.0 | 42.0 |
| 146 | No. 375 | " | 62 j | " | 54.0 | 44.0 | 197 | No. 74 | ♀ | — | — | 50.5 | 45.5 |
| 147 | No. 382 | " | 21 j | " | 52.0 | 45.0 | 198 | No. 76 | " | — | — | 50.0 | 42.5 |
| 148 | No. 454 | " | 44 j | " | 50.0 | 44.0 | 199 | No. 78 | " | 21 j | — | 48.5 | 43.0 |
| 149 | No. 482 | " | 76 j | " | 43.0 | 49.0 | 200 | No. 115 | " | 62 j | — | 44.0 | 42.0 |
| 150 | No. 494 | " | 18 j | " | 50.0 | 47.0 | 201 | No. 409 | " | 28 j | — | 50.0 | 44.0 |
| 151 | No. 512 | " | 16 j | " | 52.0 | 50.0 | 202 | No. 416 | " | — | — | 46.0 | 42.0 |
| 152 | No. 514 | " | 57 j | " | 46.0 | 48.0 | 203 | No. 417 | " | — | — | 47.0 | 45.0 |
| 153 | No. 515 | " | 24 j | " | 47.5 | 47.5 | 204 | No. 586 | " | 11 j | — | 47.0 | 47.0 |

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一〇五〇

附表

H. D. = Hyperdolichocephale.

B. = Brachycephale.

D. = Dolichocephale.

H. B. = Hyperbrachycephale.

M. = Mesocephale.

R L 欄ノ数字ハ度数ヲ示ス

原著

岩田 邦人 顱骨ノ研究、岩様骨錐體部ノ傾斜度ニ就テ

| Lauf. Nr. | Kat. Nr. | Geschl | Lebensalter. | Schädel-form. | R | L | Lauf. Nr. | Kat. Nr. | Geschl | Lebensalter. | Schädel-form. | R | L |
|-----------|----------|--------|--------------|---------------|------|------|-----------|----------|--------|--------------|---------------|------|------|
| 1 | No. 380 | ♂ | 34 j | H. D. | 48.0 | 51.5 | 52 | No. 45 | ♂ | 42 j | M. | 48.5 | 53.0 |
| 2 | No. 571 | " | 67 j | " | 48.5 | 46.0 | 53 | No. 46 | " | 67 j | " | 49.5 | 45.0 |
| 3 | No. 51 | " | — | D. | 48.5 | 50.0 | 54 | No. 59 | " | 21 j | " | 53.0 | 49.5 |
| 4 | No. 61 | " | — | " | 40.0 | 45.0 | 55 | No. 63 | " | 23 j | " | 51.0 | 50.0 |
| 5 | No. 81 | " | 29 j | " | 41.5 | 47.5 | 56 | No. 65 | " | — | " | 51.0 | 52.5 |
| 6 | No. 85 | " | — | " | 48.0 | 48.5 | 57 | No. 75 | " | — | " | 51.0 | 45.0 |
| 7 | No. 105 | " | 57 j | " | 48.0 | 44.5 | 58 | No. 83 | " | — | " | 49.0 | 47.0 |
| 8 | No. 116 | " | 23 j | " | 46.0 | 44.0 | 59 | No. 93 | " | 39 j | " | 45.5 | 46.0 |
| 9 | No. 165 | " | — | " | 49.5 | 48.5 | 60 | No. 107 | " | 52 j | " | 47.5 | 41.0 |
| 10 | No. 226 | " | — | " | 50.0 | 45.0 | 61 | No. 146 | " | 22 j | " | 46.0 | 51.0 |
| 11 | No. 259 | " | 62 j | " | 48.0 | 49.0 | 62 | No. 172 | " | 32 j | " | 51.0 | 45.5 |
| 12 | No. 265 | " | 68 j | " | 43.0 | 46.0 | 63 | No. 185 | " | 25 j | " | 45.0 | 43.0 |
| 13 | No. 266 | " | 76 j | " | 56.0 | 48.5 | 64 | No. 198 | " | 62 j | " | 49.0 | 44.0 |
| 14 | No. 270 | " | 28 j | " | 49.0 | 43.0 | 65 | No. 237 | " | 22 j | " | 50.5 | 45.5 |
| 15 | No. 277 | " | 36 j | " | 53.0 | 42.0 | 66 | No. 252 | " | — | " | 46.0 | 41.0 |
| 16 | No. 334 | " | 29 j | " | 42.0 | 42.0 | 67 | No. 274 | " | 45 j | " | 49.5 | 50.0 |
| 17 | No. 335 | " | 44 j | " | 50.5 | 47.0 | 68 | No. 276 | " | 33 j | " | 49.0 | 44.5 |
| 18 | No. 337 | " | 33 j | " | 50.0 | 45.0 | 69 | No. 281 | " | 38 j | " | 47.0 | 41.5 |
| 19 | No. 369 | " | 54 j | " | 46.0 | 46.0 | 70 | No. 286 | " | 13 j | " | 44.0 | 45.0 |
| 20 | No. 386 | " | 76 j | " | 54.0 | 46.5 | 71 | No. 287 | " | 19 j | " | 48.5 | 52.5 |
| 21 | No. 401 | " | 69 j | " | 49.0 | 41.5 | 72 | No. 290 | " | 66 j | " | 44.0 | 46.0 |
| 22 | No. 420 | " | 46 j | " | 47.0 | 47.5 | 73 | No. 291 | " | 85 j | " | 51.0 | 45.0 |
| 23 | No. 429 | " | 40 j | " | 46.0 | 42.5 | 74 | No. 313 | " | — | " | 49.0 | 45.5 |
| 24 | No. 433 | " | 49 j | " | 47.5 | 48.0 | 75 | No. 318 | " | 54 j | " | 48.0 | 44.0 |
| 25 | No. 440 | " | 88 j | " | 47.0 | 46.0 | 76 | No. 353 | " | 59 j | " | 52.5 | 46.5 |
| 26 | No. 456 | " | 17 j | " | 44.0 | 44.0 | 77 | No. 364 | " | — | " | 54.0 | 47.0 |
| 27 | No. 457 | " | 14 j | " | 49.5 | 49.0 | 78 | No. 371 | " | 33 j | " | 45.0 | 43.0 |
| 28 | No. 461 | " | 23 j | " | 52.5 | 45.0 | 79 | No. 374 | " | 20 i | " | 45.0 | 46.0 |
| 29 | No. 463 | " | 58 j | " | 51.0 | 48.0 | 80 | No. 398 | " | 28 j | " | 52.0 | 51.0 |
| 30 | No. 464 | " | 33 j | " | 46.5 | 43.0 | 81 | No. 424 | " | 39 j | " | 49.0 | 46.5 |
| 31 | No. 466 | " | 33 j | " | 47.0 | 42.0 | 82 | No. 432 | " | 48 j | " | 54.5 | 49.5 |
| 32 | No. 468 | " | 57 j | " | 49.0 | 45.0 | 83 | No. 437 | " | 22 j | " | 52.5 | 50.0 |
| 33 | No. 485 | " | 20 j | " | 45.0 | 44.0 | 84 | No. 439 | " | 26 j | " | 45.5 | 46.0 |
| 34 | No. 499 | " | 64 j | " | 51.0 | 43.0 | 85 | No. 441 | " | 42 j | " | 50.0 | 48.0 |
| 35 | No. 501 | " | 41 j | " | 48.0 | 45.0 | 86 | No. 446 | " | 23 j | " | 51.0 | 45.0 |
| 36 | No. 502 | " | 27 j | " | 50.0 | 49.0 | 87 | No. 450 | " | 43 j | " | 52.5 | 49.5 |
| 37 | No. 535 | " | 28 j | " | 49.0 | 43.0 | 88 | No. 459 | " | 36 j | " | 49.0 | 49.5 |
| 38 | No. 552 | " | 68 j | " | 44.5 | 43.0 | 89 | No. 462 | " | 25 j | " | 48.0 | 42.0 |
| 39 | No. 553 | " | 16 j | " | 45.0 | 42.0 | 90 | No. 469 | " | — | " | 52.5 | 48.0 |
| 40 | No. 42 | ♀ | 72 j | " | 45.0 | 41.0 | 91 | No. 471 | " | 48 j | " | 49.5 | 48.5 |
| 41 | No. 50 | " | — | " | 47.5 | 50.0 | 92 | No. 483 | " | 22 j | " | 48.0 | 49.5 |
| 42 | No. 166 | " | 26 j | " | 45.0 | 45.0 | 93 | No. 489 | " | 20 j | " | 47.0 | 42.0 |
| 43 | No. 283 | " | 72 j | " | 47.0 | 45.0 | 94 | No. 493 | " | 13 j | " | 48.0 | 48.0 |
| 44 | No. 363 | " | 33 j | " | 53.5 | 42.0 | 95 | No. 497 | " | 61 j | " | 47.5 | 47.0 |
| 45 | No. 467 | " | 18 j | " | 50.5 | 47.0 | 96 | No. 498 | " | 41 j | " | 50.0 | 53.0 |
| 46 | No. 546 | " | 74 j | " | 46.0 | 46.0 | 97 | No. 500 | " | 23 j | " | 45.0 | 43.0 |
| 47 | No. 24 | ♂ | 59 j | M. | 50.0 | 45.5 | 98 | No. 506 | " | 24 j | " | 51.0 | 47.0 |
| 48 | No. 36 | " | 35 j | " | 45.0 | 43.5 | 99 | No. 507 | " | 43 j | " | 48.0 | 42.0 |
| 49 | No. 38 | " | 10 j | " | 53.5 | 51.0 | 100 | No. 508 | " | 21 j | " | 44.0 | 41.0 |
| 50 | No. 40 | " | 52 j | " | 41.0 | 46.5 | 101 | No. 513 | " | 13 j | " | 49.0 | 48.0 |
| 51 | No. 43 | " | 59 j | " | 49.0 | 43.0 | 102 | No. 517 | " | 17 j | " | 52.0 | 48.5 |