

DATA FYSISCH ANTROPOLOGIE

Assessment from morphological traits of the pelvis

F: definite female, ?F: less certain female, I: intermediate, ?M: less certain male, M: definite male, and X: not observable

Schwartz (1995), Ferembach et. Al. (1980), Krogman & Işcan (1986), Phenice (1969)

Pelvic Traits	Right	Left
Overall structure	?M	
Overall shape (anterior view)	X	
Pelvic inlet	X	
Iliac crest (vertical view)	X	X
Iliac blade(anterior view)	X	M
Iliac tuberosity	X	X
Greater sciatic notch	M	?M
Auricular surface	X	M
Preauricular sulcus	?F	?F
Postauricular space	X	X
Acetabulum	M	M
Pubic symphysis height	X	X
Pubic Rami	X	X
Sub-Pubic angle	X	
Pubic tubercle	X	X
Inferior pubic ramus	X	?M
Ventral arc	X	X
Sub-Pubic concavity	X	X
Medial ischio-pubic ridge	X	X
Obturator foramen	X	X
Ischial tuberosity	X	?M
Ischial spine	X	X
Width of sacral ala	X	X
Anterior sacral curvature	X	X
Sacral auricular surface	X	X

Assessment from morphological traits of the skull

F: definite female, ?F: less certain female, I: intermediate, ?M: less certain male, M: definite male, and X: not observable

Schwartz (1995), Ferembach et. Al. (1980), Loth & Henneberg (1996), Krogman & Işcan (1986)

Skull Traits	Right	Left
Overall shape of cranium	X	
Glabellar profile	X	
Frontal slope	X	
Frontal and parietal tuberosities	X	?M
Zygomatic process of frontal	X	X
Supraorbital ridges	X	X
Orbital outline	X	X
Nasal bones	X	
Zygomatic bone	X	M
Temporal ridges	X	?M
Suprameatal crests	I	?F
Mastoid process	M	M
Nuchal area	?M	
External occipital protuberance	M	
Occipital & mandibular condyles	X	X
Pterygoid plates	X	X
Canine eminence	X	X
Palate	I	
Mandibular ramus (ant-post.)	?M	?M
Mandibular ramus	M	M
Depth from incisors to mentum	I	I
Mental protuberance	?M	
Lower margin of mand. corpus	I	I
Angle of mandible	?M	?M
Lower first molar	X	X

Results:

	F	?F	I	?M	M	X	Total
Pelvis	2			4	5	35	46
Skull		1	6	8	6	21	42

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Weighted assessment from morphological traits of the skull			
Broca (1875), Acsádi and Nemeskéri (1970), WEA (1980)			
Traits	Weight (W)	Score (X)	W x X
Glabellar profile	3	X	
Supraorbital ridges	2	X	
Frontal and parietal tuberosities	2	1	2
Frontal slope	1	X	
Mastoid process	3	2	6
Nuchal area	3	1	3
External occipital protuberance	2	2	4
Tempora-zygomatic process	3	X	
Zygomatic bone	2	1	2
Suprameatal crests	2	1	2
Orbital outline	1	X	
Sum W for Cranium (max 24) = 14		Sum (W x X) = 19	
Mandible general	3	0	0
Mentum	2	1	2
Angle of mandible	2	1	2
Lower margin of mand. corpus	1	0	0
Sum W for Mandible (max 8) =8		Sum (W x X) =4	
Sum W for Caput (max 32) =22		Sum (W x X) =23	
Degree of sexualisation of Cranium: $\frac{19}{14} = 1,36$		♀<0 ; ♂>0	
		Result: ♂	
Degree of sexualisation of Mandible: $\frac{4}{8} = 0,5$		♀<0 ; ♂>0	
		Result: ♂	
Degree of sexualisation of Caput: $\frac{23}{22} = 1,05$		♀<0 ; ♂>0	
		Result: ♂	

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Weighted assessment from morphological traits of the pelvis Accádi and Nemeskéri (1970), WEA (1980)			
Traits	Weight (W)	Score (X)	W x X
Preauricular sulcus	3	1	3
Greater sciatic notch	3	0	0
Sub-Pubic angle	2	X	
Arc compose (+1/0/-1)	2	1	2
Overall shape (anterior view)	2	X	
Obturator foramen	2	X	
Ischial body	2	2	4
Iliac crest	1	X	
Iliac fossa	1	X	
Pelvic inlet	1	X	
Sum W for Pelvis (max 19) = 10			
Sum (W x X) = 9			
Degree of sexualisation of pelvis : $\frac{9}{10} = 0,9$		♀<0 ; ♂>0	
Result:		♂	

Antero-Posterior Diameter (ADP) and Maximum ADP (ADP-max) of femur and tibia method MacLaughlin (1985)			
		ADP	ADP-max
Femur	Right	31 mm	35 mm
	Left	30 mm	33 mm
	Average	31,5 mm	34 mm
Tibia	Right	24 mm	36 mm
	Left	24 mm	39 mm
	Average	24 mm	37,5 mm
Result: ♂			

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Vertical Diameter of the Humeral Head Stewart (1979)				mm	
Female <43mm		intermediate 43-47mm		Male >47mm	
Maximum Diameter of the Femoral Head Stewart (1979)				56 mm	
Female <42.5mm	Female? 42.5-43.5mm	intermediate 43.5-46.5mm	Male? 46.5-47.5mm	Male >47.5mm	
Epicondylar breadth of humerus France (1983)				70 mm	
Female <61mm				Male >61mm	
Femoral bicondylar width France (1983)				90 mm	
Female <74mm		intermediate 74-76mm		Male >76mm	

Final estimate of sex	male
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Notes: