

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

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

Results:

	F	?F	I	?M	M	X	Total
Pelvis							46
Skull	2		6	16	5	13	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	+1	3
Supraorbital ridges	2	+1	2
Frontal and parietal tuberosities	2	+1	2
Frontal slope	1	0	0
Mastoid process	3	+1	3
Nuchal area	3	+1	3
External occipital protuberance	2	+2	4
Tempora-zygomatic process	3	0	0
Zygomatic bone	2	+1	2
Suprameatal crests	2	-1	-2
Orbital outline	1	0	0
Sum W for Cranium (max 24) = 24 Sum (W x X) = 17			
Mandible general	3	0	0
Mentum	2	+1	2
Angle of mandible	2	-1	-2
Lower margin of mand. corpus	1	+1	1
Sum W for Mandible (max 8) = 8 Sum (W x X) = 1			
Sum W for Caput (max 32) = 32 Sum (W x X) = 18			
Degree of sexualisation of Cranium: $\frac{17}{24} = 0,71$		♀<0 ; ♂>0	
		Result: ♂	
Degree of sexualisation of Mandible: $\frac{1}{8} = 0,13$		♀<0 ; ♂>0	
		Result: o	
Degree of sexualisation of Caput: $\frac{18}{32} = 0,56$		♀<0 ; ♂>0	
		Result: ♂	

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Antero-Posterior Diameter (ADP) and Maximum ADP (ADP-max) of femur and tibia method MacLaughlin (1985)			
		APD	APD-max
Femur	Right	mm	mm
	Left	mm	mm
	Average	mm	mm
Tibia	Right	25 mm	35 mm
	Left	21 mm	32 mm
	Average	23 mm	33,5 mm
Result: o			

Final estimate of sex	? male
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Notes: Lager angle mandible due to extreme protrusion lower jaw and teeth (underbite)