

Summary Information	
Site Code: SOX19	Skeleton Number: 833
Period:	Phase:
Sub Phase:	Group number:
Grave cut:	Grave fill:
Database record created on: 18/11/2019	Database record created by: Lauren McIntyre
Osteo analysis by: LM	Attached files: DSC_0001 (175).JPG - () DSC_0002 (150).JPG - ()
Completeness category: 0-25%	Completeness estimate: 20%
Fragmentation: Medium	Surface condition: Grade 1
Overall preservation: Good	
Ancestry:	Adult/Juvenile: Adult
Age category: Prime adult (26-35 yrs)	Probable age range (yrs): 30 yrs - 39 yrs
Sex estimation: ??Male	
Cranial index:	Cranial index classification:
Femur – platymeric index: 84.82	Platymeric index classification: Platymeric
Tibia – platycnemic index:	Platycnemic index classification:
Stature: 171.37±3.27 (based on left Femur)	
Congenital/developmental condition/s present?:	Non-specific inflammation/infection present?:
Evidence for specific infection observed?:	Metabolic disease observed?:
Spinal joint disease observed?: 1	Extra-spinal joint disease observed?:
Trauma observed?:	Medical intervention/post-mortem investigation/anatomisation observed?:
Circulatory condition observed?:	Neoplastic disease observed?:
Miscellaneous pathology observed?:	Undiagnosed pathology observed?:
Photographs taken?:	Additional paper records?: 1
Radiography recommended?: no ()	Pathogen DNA recommended?: no ()
Further research/analysis required?: no ()	Other comments:
Other observations:	
Condition/preservation	
Completeness category: 0-25%	Completeness estimate: 20%
Fragmentation: Medium	Surface condition (McKinley 2004): Grade 1
Overall preservation: Good	Truncation/major skeletal regions missing?: Skull, L arm, L&R pubis, L&R lower legs all absent. Spine and ribs represented but very fragmentary
Staining:	Pits presence: 0
Pits value:	Striations presence: 0
Striations value:	Comments:

Inventory

Adult inventory: skull

	Right	Left	Comments
Parietal	0	0	
Temporal	0	0	
Maxilla	0	0	
Observable maxillary sinus	0	0	
Nasal	0	0	
Zygomatic	0	0	
Lacrimal	0	0	
Palatine	0	0	
Mandible	0	0	
Orbit	0	0	
Ear ossicles	0	0	
	Unsided	Comments	
Frontal	0		
Occipital	0		
Sphenoid	0		
Vomer	0		
Ethmoid	0		
Observable endocranial surface	0		
Inferior nasal concha	0		
Hyoid	0		
Cricoid cartilage	0		
Thyroid cartilage	0		
Other cartilage	0		
Any cranial vault present?	0		
Any facial region present (maxilla/zygomatic/nasal)?	0		
Comments			
Overall comments			

Adult inventory: axial

	Unsided	Comments	
Manubrium	0		
Sternal body	0		
Xyphoid	0		
Sacrum	1		
Coccyx 1	0		
Coccyx 2	0		
Coccyx 3	0		
	Body	Arch	Comments
C1	0	0	
C2	0	0	
C3	0	0	
C4	0	0	
C5	0	0	
C6	0	0	
C7	0	0	

Supernumerary CV	0	0		
Unidentified CV #	0	0		
T1	0	0		
T2	0	0		
T3	0	0		
T4	0	0		
T5	0	0		
T6	0	0		
T7	0	0		
T8	0	0		
T9	0	0		
T10	0	0		
T11	0	0		
T12	0	0		
Supernumerary TV	0	0		
Unidentified TV #	1	6		
L1	1	1		
L2	1	1		
L3	1	1		
L4	0	1		
L5	1	1		
Supernumerary LV	0	0		
Unidentified LV #	0	0		
S1	1	0		
S2	0	0		
S3	0	0		
S4	0	0		
S5	0	0		
Supernumerary SV	0	0		
Unidentified SV #	0	0		
	Right	Left	Comments	
Rib 1	0	0		
Rib 2	0	0		
Rib 3	0	0		
Rib 4	0	0		
Rib 5	0	0		
Rib 6	0	0		
Rib 7	0	0		
Rib 8	0	0		
Rib 9	0	0		
Rib 10	0	0		
Rib 11	0	0		
Rib 12	0	0		
Supernumerary rib	0	0		
	Right	Left	Unsided	Comments
Unidentified rib #	1	0	0	
	Unsided	Comments		
Ossified costal cartilage	0			
	Comments			
Overall comments				

Adult inventory: upper limbs



Right	Sternal third	Middle third	Acromial third	
Clavicle	0	0	0	
Left	Sternal third	Middle third	Acromial third	
Clavicle	0	0	0	
Right	P 1/3	M 1/3	D 1/3	Any part
Humerus	0	1	1	1
Radius	0	0	1	1
Ulna	1	1	0	1
Left	P 1/3	M 1/3	D 1/3	Any part
Humerus	0	0	0	0
Radius	0	0	0	0
Ulna	0	0	0	0
	Right	Left	Comments	
Scapula	0	0		
Acromion observable for os acromiale?	0	0		
Scaphoid	0	0		
Lunate	0	0		
Capitate	0	0		
Triquetral	0	0		
Pisiform	0	0		
Trapezium	0	0		
Trapezoid	0	0		
Hamate	0	0		
Metacarpal 1	0	0		
Metacarpal 2	1	0		
Metacarpal 3	0	0		
Metacarpal 4	0	0		
Metacarpal 5	0	0		
	Unsided	Comments		
Metacarpal (unidentified)	0			
	Right	Left	Unsided	Comments
Proximal phalanges	1	0	0	
Intermediate phalanges	0	0	0	
Distal phalanges	0	0	0	
Hand sesamoids	0	0	0	
Comments				
Overall comments				

Adult inventory: lower limbs

Right	P 1/3	M 1/3	D 1/3	Any part
Femur	1	1	1	1
Tibia	0	0	0	0
Fibula	0	0	0	0
Left	P 1/3	M 1/3	D 1/3	Any part
Femur	1	1	1	1
Tibia	1	0	0	1
Fibula	1	0	0	1
	Right	Left	Comments	

Innominate	1	1		
Auricular surface	1	0		
Pubic symphysis	0	0		
Femur anterior neck region observable for cribra femoralis?	1	1		
Patella	0	0		
Talus	0	0		
Calcaneus	0	0		
Cuboid	0	0		
Navicular	0	0		
Medial cuneiform	0	0		
Intermediate cuneiform	0	0		
Lateral cuneiform	0	0		
Metatarsal 1	0	0		
Metatarsal 2	0	0		
Metatarsal 3	0	0		
Metatarsal 4	0	0		
Metatarsal 5	0	0		
	Unsided	Comments		
Metatarsal (unidentified)	0			
	Right	Left	Unsided	Comments
Proximal phalanges	0	0	0	
Intermediate phalanges	0	0	0	
Distal phalanges	0	0	0	
Foot sesamoids	0	0	0	
	Comments			
Overall comments				

Adult inventory: joints

	Right	Left	Comments
Temporo-mandibular joint	0	0	
Acromio-clavicular joint	0	0	
Sterno-clavicular joint	0	0	
Gleno-humeral joint	0	0	
Elbow	1	0	
Wrist	0	0	
Hand	1	0	
Sacro-iliac joint	1	0	
Hip	1	1	
Knee	1	1	
Ankle	0	0	
Foot	0	0	
Metatarsal 1 – proximal phalanx 1	0	0	
	Comments		
Overall comments			

Ancestry assessment

Metrical assessment:	
Skull complete for CRANID?	0
CRANID carried out?	0
CRANID document	

CRANID result	No Data				
Morphological assessment (only carry out where non-White characteristics are suspected):					
Characteristic	East Asian	Am. Indian	White	Polynesian	Black
Cranial form	<input type="checkbox"/> Broad	<input type="checkbox"/> Med-broad	<input type="checkbox"/> Medium	<input type="checkbox"/> Highly variable	<input type="checkbox"/> Long
Sagittal outline	<input type="checkbox"/> High, globular	<input type="checkbox"/> Medium-low sloping frontal	<input type="checkbox"/> High, rounded	<input type="checkbox"/> Medium	<input type="checkbox"/> Highly variable post-bregmatic expression
Cranial sutures	<input type="checkbox"/> Complex	<input type="checkbox"/> Complex	<input type="checkbox"/> Simple	<input type="checkbox"/> Complex	<input type="checkbox"/> Simple
Nose form	<input type="checkbox"/> Medium	<input type="checkbox"/> Medium	<input type="checkbox"/> Narrow	<input type="checkbox"/> Medium	<input type="checkbox"/> Broad
Nasal bone size	<input type="checkbox"/> Small	<input type="checkbox"/> Medium/large	<input type="checkbox"/> Large	<input type="checkbox"/> Medium	<input type="checkbox"/> Medium/small
Nasal bridge form	<input type="checkbox"/> Flat	<input type="checkbox"/> Med/tented	<input type="checkbox"/> High/steep like	<input type="checkbox"/> Medium	<input type="checkbox"/> Low/Quonset hut
Nasal profile	<input type="checkbox"/> Concave	<input type="checkbox"/> Concavo-convex	<input type="checkbox"/> Straight	<input type="checkbox"/> Concavo/convexo-concave	<input type="checkbox"/> Straight/concave
Interorbital projection	<input type="checkbox"/> Very low	<input type="checkbox"/> Low	<input type="checkbox"/> High-prominent	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Nasal spine	<input type="checkbox"/> Medium	<input type="checkbox"/> Medium, tilted	<input type="checkbox"/> Prominent, straight	<input type="checkbox"/> Highly variable	<input type="checkbox"/> Reduced
Nasal sill	<input type="checkbox"/> Medium	<input type="checkbox"/> Medium	<input type="checkbox"/> Sharp	<input type="checkbox"/> Dull/absent	<input type="checkbox"/> Dull/absent
Incisor form	<input type="checkbox"/> Shovelled	<input type="checkbox"/> Shovelled	<input type="checkbox"/> Blade	<input type="checkbox"/> Blade/shovelled	<input type="checkbox"/> Blade
Facial prognathism	<input type="checkbox"/> Moderate	<input type="checkbox"/> Medium	<input type="checkbox"/> Reduced	<input type="checkbox"/> Moderate	<input type="checkbox"/> Extreme
Alveolar prognathism	<input type="checkbox"/> Moderate	<input type="checkbox"/> Medium	<input type="checkbox"/> Reduced	<input type="checkbox"/> Moderate	<input type="checkbox"/> Extreme
Malar form	<input type="checkbox"/> Projecting	<input type="checkbox"/> Projecting	<input type="checkbox"/> Reduced	<input type="checkbox"/> Projecting	<input type="checkbox"/> Reduced
Zygomatic-maxillary suture	<input type="checkbox"/> Angled	<input type="checkbox"/> Angled	<input type="checkbox"/> Curved	<input type="checkbox"/> Curved/angled	<input type="checkbox"/> Curved/angled
Palatal form	<input type="checkbox"/> Parabolic/elliptic	<input type="checkbox"/> Elliptic/parabolic	<input type="checkbox"/> Parabolic	<input type="checkbox"/> Parabolic	<input type="checkbox"/> Hyperbolic/parabolic
Palatine suture	<input type="checkbox"/> Straight/jagged	<input type="checkbox"/> Straight	<input type="checkbox"/> Jagged	<input type="checkbox"/> Highly variable	<input type="checkbox"/> Arched/jagged
Orbital form	<input type="checkbox"/> Round	<input type="checkbox"/> Rhomboid	<input type="checkbox"/> Rhomboid	<input type="checkbox"/> Rhomboid	<input type="checkbox"/> Round
Mastoid form	<input type="checkbox"/> Wide	<input type="checkbox"/> Wide	<input type="checkbox"/> Narrow, pointed	<input type="checkbox"/> Wide	<input type="checkbox"/> Oblique posterior tubercle
Mandible	<input type="checkbox"/> Robust	<input type="checkbox"/> Robust	<input type="checkbox"/> Medium, cupped below incisors	<input type="checkbox"/> Rocker form	<input type="checkbox"/> Oblique gonial flare
Chin projection	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Prominent	<input type="checkbox"/> Moderate	<input type="checkbox"/> Reduced
Chin form	<input type="checkbox"/> Median	<input type="checkbox"/> Median	<input type="checkbox"/> Bilateral	<input type="checkbox"/> Median	<input type="checkbox"/> Median
Morphological assessment result	No Data				
Final assigned ancestry category	No Data				
Comments					

Sex estimation

Sex not estimated – juvenile skeleton	No Data	
Final sex estimation	??Male	Very few indicators
Comments		
Comments		
Skull		
Method	Category	Comments
Supraorbital ridges	No Data	
Orbit margin	No Data	
Frontal/forehead slope	No Data	
Mastoid processes	No Data	
Posterior zygomatic arch	No Data	
Nuchal crest	No Data	
Anterior mandible	No Data	
Mandibular ramus width	No Data	
Mandibular ramus angle	No Data	
Gonial flaring	No Data	
Comments		
Comments		
Pelvis/sacrum		

Method	Category	Comments
Sciatic notch	?Female	
Subpubic angle	No Data	
Subpubic concavity	No Data	
Ischio-pubic ramus	No Data	
Ventral arc	No Data	
Preauricular sulcus	No Data	
Obturator foramen	No Data	
Pelvic brim	No Data	
Acetabulum	No Data	
Ilium auricular surface	No Data	
Sacral alae width	Male	
Sacral curvature	No Data	
Sacral auricular surface	No Data	

Comments

Comments

Sex estimation measurements

	Right (mm)	Left (mm)	Comments
Scapula – glenoid cavity length GC1	-	-	
Humerus – vertical diameter of head HuD5	-	-	
Radius – max diameter of head	-	-	
Femur – max diameter of head FeDs	50.50	49.00	
Femur – bicondylar width FeE1	-	-	

Metrics for sex estimation (after Chamberlain 1994, Bass 1987)

Method	Category	Comments
Scapula – glenoid cavity length GC1 (>37=M, <34=F)	No Data	
Humerus – vertical diameter of head HuD5 (>47=M, <43=F)	No Data	
Radius – max. diameter of head (>24=M, <21=F)	No Data	
Femur – max. diameter of head FeDs (>48=M, <43=F)	Male	
Femur – bicondylar width FeE1 (>78=M, <72=F)	No Data	

Comments

Comments

Age estimation

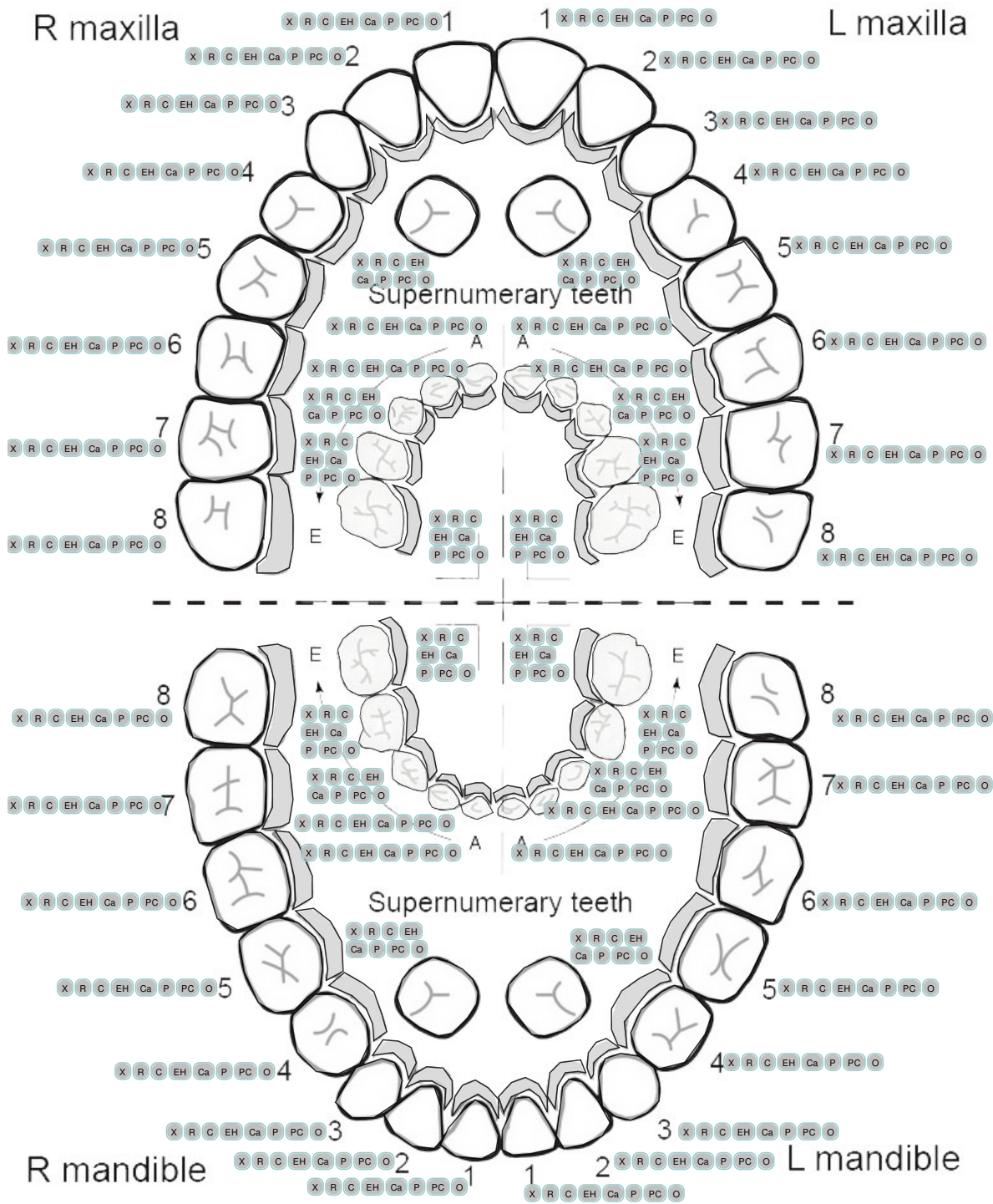
Adult or Juvenile	Adult	
epiphyseal fusion		
Medial clavicle	No Data	
Lateral clavicle	No Data	
Iliac crest	Complete	
Ischial epiphysis	Complete	
Other	No Data	
Dental development/eruption		
Third molars	No Data	
Dental Attrition		

Brothwell (1981)	No Data	
Miles (1963) M1	No Data	
Miles (1963) M2	No Data	
Miles (1963) M3	No Data	
Pubic symphysis		
Suchey-Brooks (1990)	No Data	
Suchey-Brooks (1990) Span of two or more phases	-	
Auricular surface		
Buckberry & Chamberlain (2002)		
Transverse organisation	No Data	
Surface texture	No Data	
Microporosity	No Data	
Macroporosity	No Data	
Apical changes	No Data	
Composite score	No Data	
Lovejoy et al (1985)		
Lovejoy et al (1985)	No Data	
Lovejoy et al (1985) Span of two or more phases	3-4 (30-39 years)	
Sternal rib ends		
Işcan & Loth (1993)	No Data	
Işcan & Loth (1993) Span of two or more phases	-	
Cranial suture closure (Meindl & Lovejoy (1985))		
Vault sites composite score	No Data	
Lateral-Anterior sites composite score	No Data	
Final age estimation		
Age category	Prime adult (26-35 yrs)	
	Lower end of range	Upper end of range
Probable age range (yrs)	30 yrs	39 yrs
Comments		
Overall comments		

Dentition

Dentition summary

Dentition observable?	No
Total no. permanent teeth (inc. unerupted teeth in sockets)	0
Total no. permanent teeth (not inc. unerupted teeth in sockets)	0
Total no. deciduous teeth (inc. unerupted teeth in sockets)	0
Total no. deciduous teeth (not inc. unerupted teeth in sockets)	0
Total no. permanent sockets/tooth positions	0
Total no. deciduous sockets/tooth positions	0
Total no. permanent sockets observable for periodontitis	0
Total no. deciduous sockets observable for periodontitis	0
Total no. permanent sockets observable for periapical cavity	0
Total no. deciduous sockets observable for periapical cavity	0
Total no. permanent teeth congenitally absent	0
Total no. deciduous teeth congenitally absent	0
Total no. permanent teeth not present	0
Total no. deciduous teeth not present	0
Total no. permanent teeth lost post-mortem	0
Total no. deciduous teeth lost post-mortem	0
Total no. permanent teeth lost ante-mortem	0
Total no. deciduous teeth lost ante-mortem	0
Total no. permanent teeth with caries	0
Total no. deciduous teeth with caries	0
Caries severity	
Total no. permanent teeth with calculus	0
Total no. deciduous teeth with calculus	0
Calculus severity	
No. permanent teeth observable for dental enamel hypoplasia	0
No. deciduous teeth observable for dental enamel hypoplasia	0
Total no. permanent teeth with dental enamel hypoplasia	0
Total no. deciduous teeth with dental enamel hypoplasia	0
Dental enamel hypoplasia max. age range (in years)	-
Total no. permanent sockets with periodontitis	0
Total no. deciduous sockets with periodontitis	0
Total no. permanent sockets/tooth positions with a periapical cavity	0
Total no. deciduous sockets/tooth positions with a periapical cavity	0
Other dental anomalies/conditions observed	
Total no. supernumerary teeth/sockets present?	0



Legend

- X - Ante-mortem tooth loss
- R - Root only
- C - Caries
- EH - Enamel Hypoplasia
- Ca - Calculus
- P - Periodontitis
- PC - Periapical cavity
- O - Other dental pathologies

Non metrics

Non metrics - Cranial

	Unsided	Comments	
Metopism	Not recordable		
Highest nuchal line	Not recordable		
Ossicle at lambda	Not recordable		
Bregmatic bone	Not recordable		
	Right	Left	Comments
Lambdoid ossicle	Not recordable	Not recordable	
Coronal ossicle	Not recordable	Not recordable	
Ossicle at asterion	Not recordable	Not recordable	
Epipteric bone	Not recordable	Not recordable	
Parietal notch bone	Not recordable	Not recordable	
Fronto-temporal articulation	Not recordable	Not recordable	
	Unsided	Comments	
Palatine torus	Not recordable		
	Right	Left	Comments
Maxillary torus	Not recordable	Not recordable	
Mandibular torus	Not recordable	Not recordable	
Auditory torus	Not recordable	Not recordable	
Parietal foramen	Not recordable	Not recordable	
Accessory infraorbital foramen	Not recordable	Not recordable	
Absent zygomaticofacial foramen	Not recordable	Not recordable	
Supraorbital foramen (bridged notch)	Not recordable	Not recordable	
Accessory supraorbital/frontal foramen	Not recordable	Not recordable	
Mastoid foramen absent	Not recordable	Not recordable	
Mastoid foramen extrasutural	Not recordable	Not recordable	
Double condylar facet	Not recordable	Not recordable	
Precondylar tubercle	Not recordable	Not recordable	
Foramen of Huschke	Not recordable	Not recordable	
Incomplete foramen ovale	Not recordable	Not recordable	
Accessory lesser palatine foramen	Not recordable	Not recordable	
Open foramen spinosum	Not recordable	Not recordable	
Anterior ethmoid foramen (extrasutural)	Not recordable	Not recordable	
Posterior ethmoid foramen (absent)	Not recordable	Not recordable	
Posterior condylar canal open	Not recordable	Not recordable	
Double anterior condylar canal	Not recordable	Not recordable	
Comments			
Comments			

Non metrics - Post Cranial

	Right	Left	Comments
Atlas – facet form double	Not recordable	Not recordable	
Atlas – lateral bridge	Not recordable	Not recordable	
Atlas – posterior bridge	Not recordable	Not recordable	
Atlas – bipartite transverse foramen	Not recordable	Not recordable	
Scapula – supra-scapular foramen	Not recordable	Not recordable	
Scapula – acromial articular facet	Not recordable	Not recordable	

	Unsided	Comments	
Sternum – sternal foramen	Not recordable		
	Right	Left	Comments
Humerus – septal aperture	0	Not recordable	
Humerus – supra-condylar process	0	Not recordable	
Pelvis/sacrum – accessory sacral facets	Not recordable	Not recordable	
Acetabular crease	0	Not recordable	
Femur – Allen's fossa	0	0	
Femur – Poirier's facet	0	0	
Femur – plaque	0	0	
Femur – third trochanter	0	0	
Femur – hypotrochanteric fossa	0	0	
Femur – exostosis in trochanteric fossa	0	0	
Patella – emarginate	Not recordable	Not recordable	
Patella – vastus notch	Not recordable	Not recordable	
Patella – vastus fossa	Not recordable	Not recordable	
Tibia – medial squatting facet	Not recordable	Not recordable	
Tibia – lateral squatting facet	Not recordable	Not recordable	
Talus – os trigonum	Not recordable	Not recordable	
Talus – double inferior anterior facet	Not recordable	Not recordable	
Talus – lateral talar extension	Not recordable	Not recordable	
Talus – medial talar facet	Not recordable	Not recordable	
Calcaneus – anterior facet absent	Not recordable	Not recordable	
Calcaneus – double anterior facet	Not recordable	Not recordable	
Calcaneus – peroneal tubercle	Not recordable	Not recordable	
Calcaneus – calcaneus secundarius	Not recordable	Not recordable	
Comments			
Comments			

Metrics

Metrics - Cranial

Description of points used		Central (mm)	Is reconstructed	Comments
Max cranial length GOL	Glabella to opisthocranium	-	<input type="checkbox"/>	
Nasio-occipital length NOL	Nasion to opisthocranium	-	<input type="checkbox"/>	
Cranial base length BNL	Basion to nasion	-	<input type="checkbox"/>	
Basion-bregma height BBH	Basion to bregma	-	<input type="checkbox"/>	
Max cranial breadth XCB	Euryon to euryon	-	<input type="checkbox"/>	
Max frontal breadth XFB	Max breadth at coronal suture	-	<input type="checkbox"/>	
Biauricular breadth AUB	Auriculare to auriculare	-	<input type="checkbox"/>	
Biasterionic breadth ASB	Asterion to asterion	-	<input type="checkbox"/>	
Basion to prosthion length BPL	Basion to prosthion	-	<input type="checkbox"/>	
Upper facial height NPH	Nasion to prosthion	-	<input type="checkbox"/>	

Description of points used	Right (mm)	Is reconstructed	Left (mm)	Is reconstructed	Comments
Nasal height NLH	Nasion to nasospinale	-	<input type="checkbox"/>	-	<input type="checkbox"/>
Orbital height OBH	Height between upper + lower borders and perpendicular to line bisecting orbit	-	<input type="checkbox"/>	-	<input type="checkbox"/>
Orbital breadth OBB	Dacryon to ectoconchion	-	<input type="checkbox"/>	-	<input type="checkbox"/>

Description of points used		Central (mm)	Is reconstructed	Comments
Bijugal breadth JUB	Jugulare to jugulare	-	<input type="checkbox"/>	
Nasal breadth NLB	Alare to alare	-	<input type="checkbox"/>	
Maxillo-alveolare breadth MAB	Ectomolare to ectomolare	-	<input type="checkbox"/>	
Bimaxillary breadth ZMB	Zygomaxillare to zygomaxillare	-	<input type="checkbox"/>	
Zygomaxillary subtense SSS	Subtense from subspinale to bimaxillary breadth	-	<input type="checkbox"/>	
Bifrontal breadth/upper facial breadth FMB	Frontomalare anterior to frontomalare anterior	-	<input type="checkbox"/>	
Nasion-frontal subtense NAS	Subtense from nasion to upper facial breadth	-	<input type="checkbox"/>	
Biorbital breadth EKB	Ectoconchion to ectoconchion	-	<input type="checkbox"/>	
Interorbital breadth DKB	Dacryon to dacryon	-	<input type="checkbox"/>	

Description of points used	Right (mm)	Is reconstructed	Left (mm)	Is reconstructed	Comments
Cheek height WMH	Minimum distance in any direction from lower border of orbit to zygomatic/maxilla	-	<input type="checkbox"/>	-	<input type="checkbox"/>

Description of points used		Central (mm)	Is reconstructed	Comments
Frontal chord FRC	Nasion to bregma	-	<input type="checkbox"/>	
Nasion-bregma subtense FRS	Subtense from nasion to bregma	-	<input type="checkbox"/>	
Parietal chord PAC	Bregma to lambda	-	<input type="checkbox"/>	
Bregma-lambda subtense PAS	Subtense from bregma to lambda	-	<input type="checkbox"/>	
Occipital chord OCC	Lambda to opisthion	-	<input type="checkbox"/>	
Lambda-opisthion subtense OCS	Subtense from lambda to opisthion	-	<input type="checkbox"/>	

Comments	
Cranial index = (max. cranial breadth x 100)/Max. cranial length	-
Cranial index classification	-
Dolichocranic (Narrow/long headed)	<75.0
Mesocranic (Average/medium)	75.0 – 79.9

Brachycranial (Broad/round headed)	80.0 – 84.9	
Hyperbrachycranial (Very broad headed)	>84.9	
Comments		
Comments		

Metrics - Post Cranial

	Right (mm)	Is reconstructed	Left (mm)	Is reconstructed	Comments
Mandible - min ramus breadth RB	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Central (mm)		Is reconstructed	Comments		
Mandible - bicondylar breadth WI	-	<input type="checkbox"/>			
Mandible - foramen mentale breadth ZZ	-	<input type="checkbox"/>			
Mandible - bigonial breadth GoGo	-	<input type="checkbox"/>			
Mandible – max. length ML	-	<input type="checkbox"/>			
Atlas – max internal width	-	<input type="checkbox"/>			
Sternum – max length body SL	-	<input type="checkbox"/>			
Sternum – max length manubrium ML	-	<input type="checkbox"/>			
Sacrum – max length SacL	-	<input type="checkbox"/>			
Sacrum – max breadth SacB	-	<input type="checkbox"/>			
	Right (mm)	Is reconstructed	Left (mm)	Is reconstructed	Comments
Clavicle – max length CiL1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Scapula – glenoid cavity length GC1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Scapula – glenoid cavity width GC2	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Humerus – max length HuL1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Humerus – vertical diameter of head HuD5	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Humerus – minimum shaft circumference HC	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Radius – max length RaL1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Radius – max diameter of head	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Ulna – max length UiL1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – max length FeL1	-	<input type="checkbox"/>	462.00	<input checked="" type="checkbox"/>	
Femur – oblique length FeL2	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – ant-post subtroch diameter FeD1	-	<input type="checkbox"/>	28.50	<input type="checkbox"/>	
Femur – med-lat subtroch diameter FeD2	-	<input type="checkbox"/>	33.60	<input type="checkbox"/>	
Femur – ant-post midshaft diameter FeD3	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur –mediolateral midshaft diameter FeD4	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – max diameter of head FeDs	50.50	<input type="checkbox"/>	49.00	<input type="checkbox"/>	
Femur – midshaft circumference C	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – bicondylar width FeE1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – length TiL1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – max ant-post diameter at nutrient foramen TiD1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – transverse (med-lat) diameter at nutrient foramen TiD2	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – circumference at nutrient foramen C	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Fibula – max length FiL1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Comments					
Femur – platymeric index = (FeD1 x 100)/FeD2 (N.B. L used in preference over R)	84.82				
Platymeric index classification	Platymeric				

Platymeric (broad or flat, from front to back)	<84.9	
Eurymeric	85.0 – 99.9	
Stenomic (usually only found in pathological cases)	>100.0	
Tibia – platycnemic index = (TiD2 x100)/TiD1 (N.B. L used in preference over R)	-	
Platycnemic index classification	-	
Hyperplatycnemic	<54.9	
Platycnemic	55.0 – 62.9	
Mesocnemic	63.0 – 69.9	
Eurycnemic	>70.0	

Regression equations and standard error taken from Trotter 1970

NB sex for stature estimation auto-fills from 'Sex estimation' page. Ancestry is automatically set to 'White'. For non-White skeletons, manually select Ancestry from the drop-down list below, calculate stature using the appropriate equation and insert the result below, ensuring the error margin is also correct

	Sex	Ancestry	Bone used	Bone side used	Stature (cm)	Error (cm)	Comments
Stature calculation	Male	-	Femur	left	171.37	3.27	
		Stature (cm)	Comments				
Adjusted stature		-					
		Comments					
Comments							

Pathology

Pathology - Congenital/developmental

	Presence	Details	Comments
Congenital/developmental condition/s present?	-		
Syndrome indicated?	-	-	
Skull affected?	-		
If affected:			
Craniosynostosis	-	-	
Cleft palate	-	-	
Auditory meatus defect	-	-	
Hydrocephalus	-	-	
Enlarged parietal foramina	-	-	
Other skull abnormality	-	-	
Ribs affected?	-		
If affected:			
Bifid rib	-	-	
Flared rib	-	-	
Conjoined/bridged ribs (not secondary to trauma)	-	-	
Supernumerary rib	-	-	
(note whether cervical or lumbar, and if underdeveloped etc.)			
Other rib abnormality	-	-	
Spine affected?	-		
If affected:			
Vertebral border shifting			
Occipitalisation	-	-	
Lumbarisation	-	-	
Sacralisation	-	-	
Sacral-caudal (coccyx) shifting	-	-	
Other vertebral border shifting abnormality	-	-	
Supernumerary/congenital absence of vertebral segments			
Additional CV (i.e. not resulting from border shifting)	-	-	
Additional TV (i.e. not resulting from border shifting)	-	-	
Additional LV (i.e. not resulting from border shifting)	-	-	
Additional SV (i.e. not resulting from border shifting)	-	-	
Additional coccygeal segment	-	-	
Absence of vertebral segment (i.e. not resulting from border shifting)	-	-	
Other supernumerary/absent vertebral segment	-	-	
Spinal curvature disorder (congenital only, not secondary to trauma)			
Scoliosis	-	-	
Kyphosis	-	-	
Lordosis	-	-	
Other spinal curvature abnormality	-	-	
Other spinal abnormalities			
Spina bifida atlanta (cleft neural arch of atlas)	-	-	
Spina bifida occulta (cleft neural arch of sacrum) (inc. any cleft from top, but if cleft	-	-	

from bottom, must be more than just SV4-5 - state cleft location in comments)			
Bifid/cleft neural arch (any vertebra)	-	-	
Spondylolysis	-	-	
Butterfly vertebra	-	-	
Klippel-Feil syndrome (congenital fusion of CV)	-	-	
Congenital fusion of other vertebrae	-	-	
Other spinal abnormality	-	-	
Extra-spinal bones affected?	-		
If affected:			
Os acromiale right	Not recordable	-	
Os acromiale left	Not recordable	-	
Symphalangism	-	-	
Polydactyly	-	-	
Absent MC3 styloid/s (additional nodule/lump on capitate?)	-	-	
Carpal coalition	-	-	
Tarsal coalition	-	-	
Congenital hip dysplasia/subluxation/dislocation	-	-	
Other extra-spinal bone abnormality	-	-	
Comments			
Overall comments			

Pathology - Non-specific inflammation/infection

Non-specific inflammation/infection present?	0				
		Right	Left		
Maxillary sinusitis		Not recordable	Not recordable		
If present, is maxillary sinusitis secondary to dental disease?	0	0			
Endocranial lesions (Lewis 2004)	Not recordable				
If present:					
	Frontal	Parietal	Occipital	Temporal	
Type 1 – porous lesions	0	0	0	0	
Type 2 – fibre bone formation	0	0	0	0	
Type 3 – capillary lesions	0	0	0	0	
Type 4 – 'Hair-on-end' lesions	0	0	0	0	
Comments					
		Right	Left		
Sacroiliitis		0	0		
Periostitis observed?	0				
If present:					
Periostitis:					
Affected bone	0/1/Count	Healing status	Severity	Localisation	Details
Ectocranial porosity – 'orange-peel' lesions	0				
Osteitis observed?	0				
If present:					
Osteitis:					
Affected bone	0/1/Count	Healing status	Details		
Osteomyelitis observed?	0				
If present:					
Osteomyelitis:					
Affected bone	0/1/Count	Healing status	Details		
Overall comments					

Pathology - Specific Infection

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Evidence for specific infection observed?	0	
If present:		
Specific infections:		
Infection		Details
Overall comments		

Pathology - Metabolic

	Presence	Details	Comments
Evidence for metabolic disease observed?	-		
If present:			
Cribra orbitalia (anaemia) (Stuart-Macadam 1991) Right	0		
Cribra orbitalia (anaemia) (Stuart-Macadam 1991) Left	0		
Porotic hyperostosis (anaemia)	-	-	
Rickets/residual rickets deformity (juvenile Vit D deficiency)	-	-	
Osteomalacia (adult Vit D deficiency)	-	-	
Scurvy (Vit C deficiency)	-	-	
Age-related bone loss/Osteoporosis	-	-	
Other	-	-	
Comments			
Overall comments			

Pathology - Spinal joint disease

	Presence	Comments			
Spinal joint disease observed?	1				
If present:					
Schmorl's nodes	1				
Vertebral body marginal osteophytes	-				
Vertebral body pitting/dense bone	-				
Spinal Osteoarthritis (sup/inf/costal facets/odontoid joint)	-				
	Total no. bodies with Schmorl's nodes	Total no. bodies with marginal osteophytes (spondylosis deformans)	Total no. bodies with pitting/dense bone (spondylosis deformans)	Total no. bodies with both marginal osteophytes AND pitting/dense bone	Total no. arches with OA (inc. odontoid joint)
CV	-	-	-	-	-
TV	1	-	-	-	-
LV	-	-	-	-	-
SV1	-	-	-	-	-
	Presence	Details	Comments		
Ankylosis of vertebrae (due to joint disease)	-	-			
Spondylolisthesis (e.g. secondary to spondylolysis)	-	-			
Comments					
Overall comments					

Pathology - Extra-spinal joint disease

	Presence	Comments
Extra-spinal joint disease observed?	-	

Extra-spinal osteoarthritis observed (in any joint)?	-					
If present:						
Joint	Right	R – OA present? (after Rogers + Waldron 1995, 44)	Left	L – OA present? (after Rogers + Waldron 1995, 44)	OA secondary to trauma	Comments
TMJ	Not recordable	-	Not recordable	-	-	
Acromio-clavicular	Not recordable	-	Not recordable	-	-	
Sterno-clavicular	Not recordable	-	Not recordable	-	-	
Gleno-humeral	Not recordable	-	Not recordable	-	-	
Elbow	-	-	Not recordable	-	-	
Wrist	Not recordable	-	Not recordable	-	-	
Hand	-	-	Not recordable	-	-	
Hip	-	-	-	-	-	
Knee	-	-	-	-	-	
Ankle	Not recordable	-	Not recordable	-	-	
Foot	Not recordable	-	Not recordable	-	-	
MT1-PP1	Not recordable	-	Not recordable	-	-	
	Right	Left	Comments			
Hallux valgus	Not recordable	Not recordable				
	Presence	Details	Comments			
Rotator cuff disease	-	-				
Gout	-	-				
DISH (confident diagnosis)	-	-				
?Probable/early DISH	-	-				
Rheumatoid arthritis	-	-				
Ankylosing spondylitis	-	-				
Psoriatic arthritis	-	-				
Reactive arthritis/Reiter's disease	-	-				
Undefined seronegative arthropathy	-	-				
Septic/pyogenic arthritis	-	-				
Other	-	-				
Comments						
Overall comments						

Pathology - Trauma

Trauma observed?	0		
Ante-mortem trauma:			
Ante-mortem fracture observed?	0		
If present:			
Ante-mortem fractures:			
Affected bone	0/1/Count	Healing status	Apposition
Other ante-mortem trauma:			
Subluxation/dislocation	0		
Ossified haematoma	0		
Myositis ossificans traumatica	0		
Other muscle/soft tissue trauma	0		
Parturition scar/s	0		
Traumatic amputation	0		
Other	0		
Peri-mortem trauma:			
Peri-mortem trauma present?	0		

If present:			
Peri-mortem trauma (e.g. fractures, cut marks, projectile injury, etc.):			
Affected bone	0/1/Count	Force	Details
Other	0		
Overall comments			

Pathology - Medical intervention/Post-mortem investigation etc.

	Presence	Details	Healing	Comments
Medical intervention/post-mortem investigation/anatomisation observed?	-			
If present:				
Amputation (isolated limb present only)	-	-		
Amputation (skeleton present, limb missing)	-	-	-	
Trepanation	-	-	-	
Craniotomy	-	-		
Longitudinal cuts (long bones)	-	-		
Ribs/clavicles cut (ev. for chest autopsy)	-	-		
Decapitation	-	-		
Other modification	-	-		
Comments				
Overall comments				

Pathology - Circulatory

	Presence	Details	Joint	Comments
Circulatory condition observed?	-			
If present:				
Osteochondritis dissecans	-	-	-	
Scheuermann's disease	-	-		
Aortic aneurism (visible on vert. bodies)	-	-		
Perthes disease (osteochondrosis of femoral head)	-	-		
Other	-	-		
Comments				
Overall comments				

Pathology - Neoplastic

	Presence	Details	Comments
Neoplastic disease observed?	-		
If present:			
Tumours of osseous origin:			
Osteoid osteoma	-	-	
Osteoma (inc. button)	-	-	
Osteoblastoma	-	-	
Osteosarcoma	-	-	
Other tumours of osseous origin	-	-	
Tumours of cartilage origin:			

Chondroma	-	-	
Chondroblastoma	-	-	
Osteochondroma	-	-	
Chondrosarcoma	-	-	
Other tumours of cartilage origin	-	-	
Tumours of fibrous connective tissue origin:			
Desmoplastic fibroma	-	-	
Non-ossifying fibroma	-	-	
Fibrosarcoma	-	-	
Other tumours of fibrous connective tissue origin	-	-	
Other neoplastic disease:			
Multiple myeloma	-	-	
Ewing's sarcoma	-	-	
Other	-	-	
Comments			
Overall comments			

Pathology - Miscellaneous

	Presence	Details	Comments
Miscellaneous pathology observed?	-		
If present:			
Cribriformis Right	0		
Cribriformis Left	0		
Hyperostosis frontalis interna (HFI)	-	-	
Elongated stylohyoid process (may cause Eagle syndrome)	-	-	
Paget's disease	-	-	
Bone former (not rel. to another pathology e.g. DISH)	-	-	
Osteochondritis non-dissecans	-	-	
Plastic Deformation (e.g. of ribs due to corsetry)	-	-	
Other (e.g. calcified soft tissue)	-	-	
Comments			
Overall comments			

Pathology - Undiagnosed Conditions

Undiagnosed pathology observed?	0		
No. of undiagnosed conditions observed in this skeleton	0		
If present:			
Undiagnosed conditions:			
Affected bone	0/1/Count	Further analysis recommended? (e.g. radiography, microscopy, pathogen DNA)	Details
Overall comments			