

Summary Information

Site Code: AYLBER10	Skeleton Number: 3004
Period: Roman	Phase:
Sub Phase:	Group number:
Grave cut: 3003	Grave fill: 3005
Database record created on: 28/11/2016	Database record created by: Mark Gibson
Osteo analysis by: MG	Attached files: DSC_0002[1].JPG - ()
Completeness category: 51-75%	Completeness estimate: 65%
Fragmentation: High	Surface condition: Grade 2
Overall preservation: Fair	
Ancestry:	Adult/Juvenile: Adult
Age category: Prime adult (26-35 yrs)	Probable age range (yrs): 26yrs - 35yrs
Sex estimation: ?	
Cranial index:	Cranial index classification:
Femur - platymeric index:	Platymeric index classification:
Tibia - platycnemic index:	Platycnemic index classification:
Stature:	
Congenital/developmental condition/s present?: 1	Non-specific inflammation/infection present?:
Evidence for specific infection observed?:	Metabolic disease observed?:
Spinal joint disease observed?:	Extra-spinal joint disease observed?: 1
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 ()	Requires Publication Photography?: no ()
Publication Photography Complete?: no ()	Other comments:
Other observations:	
Condition/preservation	
Completeness category: 51-75%	Completeness estimate: 65%
Fragmentation: High	Surface condition (McKinley 2004): Grade 2
Overall preservation: Fair	Truncation/major skeletal regions missing?: Most of skeletal elements represented. Spine is very poor.
Staining:	Pits presence: 0
Pits value:	Striations presence: 0
Striations value:	Comments:

Inventory

Adult inventory: skull

	Right	Left	Comments
Parietal	1	1	
Temporal	1	1	
Petrous	0	0	
Maxilla	1	1	
Observable maxillary sinus	0	0	
Nasal	1	1	
Zygomatic	1	0	
Lacrimal	0	0	
Palatine	0	0	
Mandible	1	1	
Orbit	1	1	
Ear ossicles	0	0	
	Unsided	Comments	
Frontal	1		
Occipital	1		
Sphenoid	1		
Vomer	0		
Ethmoid	0		
Observable endocranial surface	1		
Inferior nasal concha	0		
Hyoid	0		
Cricoid cartilage	0		
Thyroid cartilage	0		
Other cartilage	0		
Any cranial vault present?	1		
Any facial region present (maxilla/zygomatic/nasal)?	1		
	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	1	1	
C2	1	0	
C3	1	0	
C4	1	0	
C5	0	0	
C6	0	0	
C7	0	0	
Supernumerary CV	0	0	
Unidentified CV #	2	1	
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 #	0	3	
L1	0	0	
L2	0	0	
L3	0	0	
L4	0	0	
L5	0	0	
Supernumerary LV	0	0	
Unidentified LV #	0	4	
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	Multiple shaft fragments, no rib heads surviving	
	Right	Left	Unsidied	Comments
Unidentified rib #	0	0	0	
	Unsidied	Comments		
Ossified costal cartilage	0			
	Comments			
Overall comments				

Adult inventory: upper limbs

Right	Sternal third	Middle third	Acromial third	
Clavicle	0	1	0	
Left	Sternal third	Middle third	Acromial third	
Clavicle	0	1	1	
Right	P 1/3	M 1/3	D 1/3	Any part
Humerus	1	1	1	1
Radius	0	1	1	1
Ulna	1	1	1	1
Left	P 1/3	M 1/3	D 1/3	Any part

Humerus	1	1	1	1	
Radius	1	1	1	1	
Ulna	1	1	1	1	
		Right	Left	Comments	
Scapula	1	1			
Acromion observable for os acromiale?	0	0			
Scaphoid	1	1			
Lunate	1	1			
Capitate	1	1			
Triquetral	1	0			
Pisiform	0	0			
Trapezium	1	0			
Trapezoid	1	0			
Hamate	1	1			
Metacarpal 1	0	0			
Metacarpal 2	1	0			
Metacarpal 3	0	1			Left: Shaft only, MC number not identified
Metacarpal 4	1	1			Left: Shaft only, MC number not identified
Metacarpal 5	1	0			
		Unsided	Comments		
Metacarpal (unidentified)	0				
		Right	Left	Unsided	Comments
Proximal phalanges	4	0	0		
Intermediate phalanges	4	1	0		
Distal phalanges	4	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	1	1	1	1	
Fibula	1	1	1	1	
Left	P 1/3	M 1/3	D 1/3	Any part	
Femur	1	1	1	1	
Tibia	1	1	1	1	
Fibula	1	1	1	1	
		Right	Left	Comments	
Innominate	1	1			
Auricular surface	1	0			Right 25%, apex area only
Pubic symphysis	0	0			
Femur anterior neck region observable for cribra femoralis?	0	0			
Patella	1	1			
Talus	1	1			
Calcaneus	1	1			
Cuboid	1	1			
Navicular	0	1			
Medial cuneiform	1	1			
Intermediate cuneiform	1	1			
Lateral cuneiform	1	1			
Metatarsal 1	0	0			
Metatarsal 2	1	1			
Metatarsal 3	1	1			
Metatarsal 4	1	1			

Metatarsal 5	1	1		
	Unsided	Comments		
Metatarsal (unidentified)	0			
	Right	Left	Unsided	Comments
Proximal phalanges	0	1	0	
Intermediate phalanges	0	0	0	
Distal phalanges	0	0	0	
Foot sesamoids	1	1	1	
	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	1	1	
Elbow	1	1	
Wrist	1	1	
Hand	1	1	
Sacro-iliac joint	1	0	
Hip	1	1	
Knee	1	1	
Ankle	0	0	
Foot	1	1	
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"/>

Palatine suture	<input type="checkbox"/> Straight/jagged	<input type="checkbox"/> Straight	<input type="checkbox"/> Jagged	<input type="checkbox"/> Highly variable	Hyperbolic/parabolic
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
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Final sex estimation	?
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Comments

Comments	
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Skull

Method	Category	Comments
Supraorbital ridges	Not recordable	
Orbit margin	?Female	
Frontal/forehead slope	Not recordable	
Mastoid processes	?Male	
Posterior zygomatic arch	Not recordable	
Nuchal crest	Not recordable	
Anterior mandible	Not recordable	
Mandibular ramus width	Not recordable	
Mandibular ramus angle	Not recordable	
Gonial flaring	Not recordable	

Comments

Comments	
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Pelvis/sacrum

Method	Category	Comments
Sciatic notch	Not recordable	
Subpubic angle	Not recordable	
Subpubic concavity	Not recordable	
Ischio-pubic ramus	Not recordable	
Ventral arc	Not recordable	
Preauricular sulcus	Not recordable	
Obturator foramen	Not recordable	
Pelvic brim	Not recordable	
Acetabulum	Not recordable	
Ilium auricular surface	Not recordable	
Sacral alae width	Not recordable	
Sacral curvature	Not recordable	
Sacral auricular surface	Not recordable	

Comments

Comments	
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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	46.00	-	
Femur - bicondylar width FeEI	-	-	
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)	No Data		
Femur - bicondylar width FeE1 (>78=M, <72=F)	No Data		
Comments			
Comments			

Age estimation

Adult or Juvenile	Adult	
epiphyseal fusion		
Medial clavicle	Not recordable	
Lateral clavicle	Not recordable	
Iliac crest	No Data	
Ischial epiphysis	No Data	
Other	No Data	
Dental development/eruption		
Third molars	Fully erupted and/or apex complete	
Dental Attrition		
Brothwell (1981)	25-35 yrs	
Miles (1963) M1	Not recordable	
Miles (1963) M2	25-32 yrs	
Miles (1963) M3	25-32 yrs	
Pubic symphysis		
Suchey-Brooks (1990)	Not recordable	
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	Phase 2-5 (25-44yrs)	Course granularity observed on surviving auricular surface, however cannot determine if it covered the entire surface or was just localised. No dense bone, hence phase 2-5
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)	26yrs	35yrs
Comments		
Overall comments		

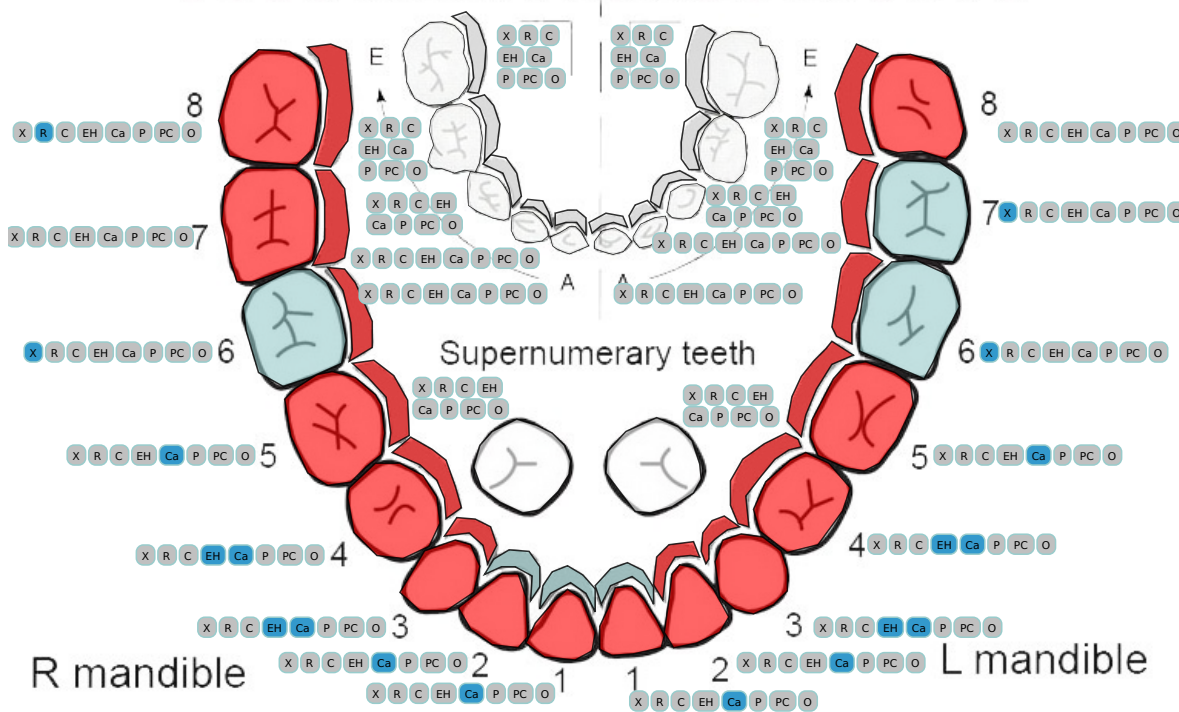
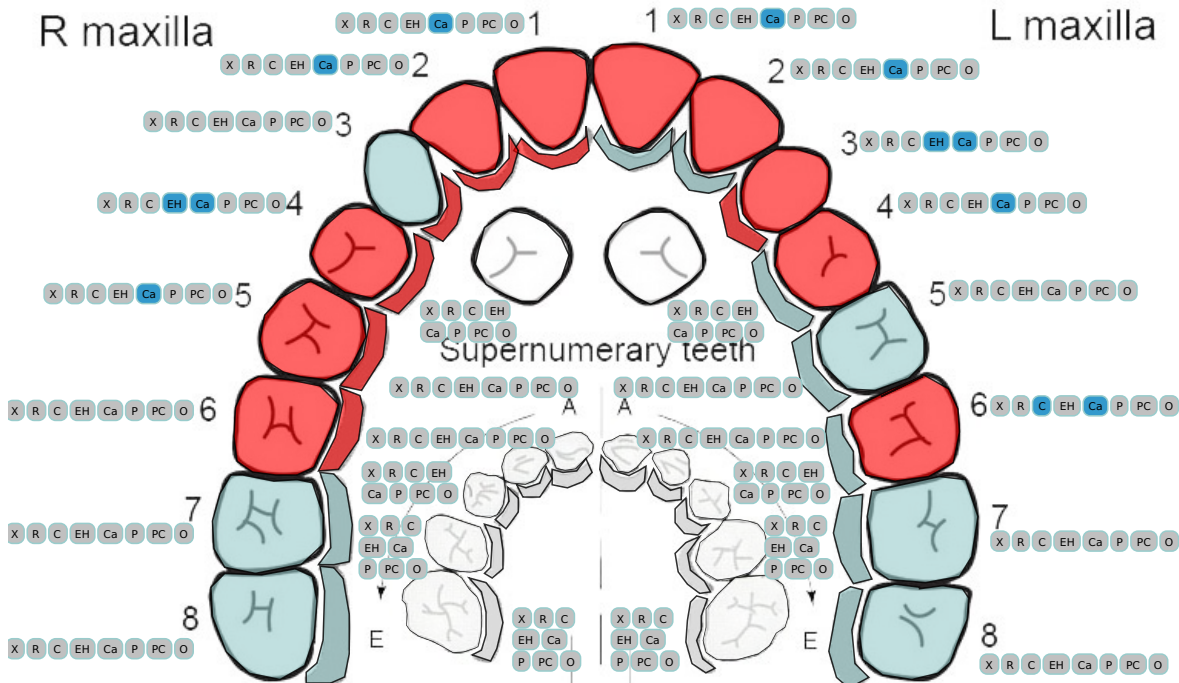
Dentition

Dentition summary

Dentition observable?	Yes
Total no. permanent teeth (inc. unerupted teeth in sockets)	23
Total no. permanent teeth (not inc. unerupted teeth in sockets)	23
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	20
Total no. deciduous sockets/tooth positions	0
Total no. permanent sockets observable for periodontitis	4
Total no. deciduous sockets observable for periodontitis	0
Total no. permanent sockets observable for periapical cavity	20
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	1
Total no. deciduous teeth lost post-mortem	0
Total no. permanent teeth lost ante-mortem	3
Total no. deciduous teeth lost ante-mortem	0
Total no. permanent teeth with caries	1
Total no. deciduous teeth with caries	0
Caries severity	Medium
Total no. permanent teeth with calculus	19
Total no. deciduous teeth with calculus	0
Calculus severity	Medium / Slight
No. permanent teeth observable for dental enamel hypoplasia	21
No. deciduous teeth observable for dental enamel hypoplasia	0
Total no. permanent teeth with dental enamel hypoplasia	6
Total no. deciduous teeth with dental enamel hypoplasia	0
Dental enamel hypoplasia max. age range (in years)	2 - 4.9
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

R maxilla

L maxilla



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	0	
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	Not recordable	Not recordable	
Pelvis/sacrum - accessory sacral facets	Not recordable	0	
Acetabular crease	Not recordable	Not recordable	
Femur - Allen's fossa	Not recordable	0	
Femur - Poirier's facet	Not recordable	0	
Femur - plaque	Not recordable	0	
Femur - third trochanter	Not recordable	Not recordable	
Femur - hypotrochanteric fossa	Not recordable	Not recordable	
Femur - exostosis in trochanteric fossa	Not recordable	Not recordable	
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	Frontomolare anterior to frontomolare 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					
Brachycranic (Broad/round headed)	80.0 - 84.9					
Hyperbrachycranic (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"/>	-	<input type="checkbox"/>	
Femur - oblique length FeL2	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur - ant-post subtroch diameter FeD1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur - med-lat subtroch diameter FeD2	-	<input type="checkbox"/>	-	<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	46.00	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur - midshaft circumference C	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur - bicondylar width FeEI	-	<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)	-				
Platymeric index classification	-				
Platymeric (broad or flat, from front to back)	<84.9				
Eurymeric	85.0 - 99.9				
Stenomeric (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	?	-	-	-	-	-	
Save preferred bone?	<input type="checkbox"/>						
		Stature (cm)	Comments				
Adjusted stature		-					
		Comments					
Comments							

Pathology

Pathology - Congenital/developmental

	Presence	Details	Comments
Congenital/developmental condition/s present?	1		
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?	1		
If affected:			
Os acromiale right	Not recordable	-	
Os acromiale left	Not recordable	-	
Symphalangism	1	x1 left foot IP-PP, probably 5th	
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)	0				
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

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?	-					
If present:						
Schmorl's nodes	-					
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	-	-	-	-	-	
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?	1					
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	-	-	OP	-	-	left, slight marginal OP on glenoid

Elbow	-	-	-	-	-	
Wrist	-	-	-	-	-	
Hand	-	-	-	-	-	
Hip	-	-	-	-	-	
Knee	-	-	-	-	-	
Ankle	Not recordable	-	Not recordable	-	-	
Foot	-	-	-	-	-	
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	Details
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 femoralis Right	Not recordable		
Cribriformis femoralis Left	Not recordable		
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	Lesion Type	Possible Diagnosis 1	Possible Diagnosis 2	Possible Diagnosis 3	Further analysis recommended? (e.g. radiography, microscopy, pathogen DNA)	Details
Overall comments							