

Summary Information

Site Code: M1D17	Skeleton Number: 1420
Period: Roman	Phase: 4
Sub Phase:	Group number:
Grave cut: 1428	Grave fill: 1427
Database record created on: 23/03/2021	Database record created by: Mandy Kingdom
Osteo analysis by: MK	Attached files: M1D17 SK1420 recording form.pdf - () SK_1420_M1D17_print.pdf - (Automatic PDF print of all form data)
Completeness category: 0-25%	Completeness estimate: <5%
Fragmentation: High	Surface condition: Grade 3
Overall preservation: Poor	
Ancestry:	Adult/Juvenile: Adult
Age category: Adult unspecified (>18 yrs)	Probable age range (yrs):
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?:	Non-specific inflammation/infection present?:
Evidence for specific infection observed?:	Metabolic disease observed?:
Spinal joint disease observed?:	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?:
Radiography recommended?: no ()	Pathogen DNA recommended?: no ()
Further research/analysis required?: no ()	Requires Publication Photography?: no ()
Publication Photography Complete?: no ()	Other comments:
Other observations: Only fragmented L proximal femur with poor surface preservation present.	
Condition/preservation	
Completeness category: 0-25%	Completeness estimate: <5%
Fragmentation: High	Surface condition (McKinley 2004): Grade 3
Overall preservation: Poor	Truncation/major skeletal regions missing?: All regions missing except proximal left femur
Staining:	Pits presence:
Pits value:	Striations presence:
Striations value:	Comments:

Inventory

Adult inventory: skull

	Right	Left	Comments
Parietal	0	0	
Temporal	0	0	
Petrous	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	0		
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	

	Body	Arch	Comments	
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 #	0	0		
L1	0	0		
L2	0	0		
L3	0	0		
L4	0	0		
L5	0	0		
Supernumerary LV	0	0		
Unidentified LV #	0	0		
S1	0	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 #	0	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	0	0	0
Radius	0	0	0	0
Ulna	0	0	0	0
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	0	0		
Metacarpal 3	0	0		
Metacarpal 4	0	0		
Metacarpal 5	0	0		
	Unsided	Comments		
Metacarpal (unidentified)	0			
	Right	Left	Unsided	Comments
Proximal phalanges	0	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	0	0	0	0
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	0	1
Tibia	0	0	0	0
Fibula	0	0	0	0

	Right	Left	Comments	
Innominate	0	0		
Auricular surface	0	0		
Pubic symphysis	0	0		
Femur anterior neck region observable for cribra femoralis?	0	0		
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	0	0		
Wrist	0	0		
Hand	0	0		
Sacro-iliac joint	0	0		
Hip	0	0		
Knee	0	0		
Ankle	0	0		
Foot	0	0		
Metatarsal 1 – proximal phalanx 1	0	0		
Comments				
Overall comments				

Ancestry assessment

Metrical assessment:	
Skull complete for CRANID?	No Data
CRANID carried out?	No Data
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/steeple 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	No Data	
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	No Data	
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	No Data	
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	-	-	
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)	No Data	
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	No Data	
Ischial epiphysis	No Data	
Other	Complete	femoral head is fully fused
Dental development/eruption		
Third molars	No Data	
Dental Attrition		
Brothwell (1981)	No Data	

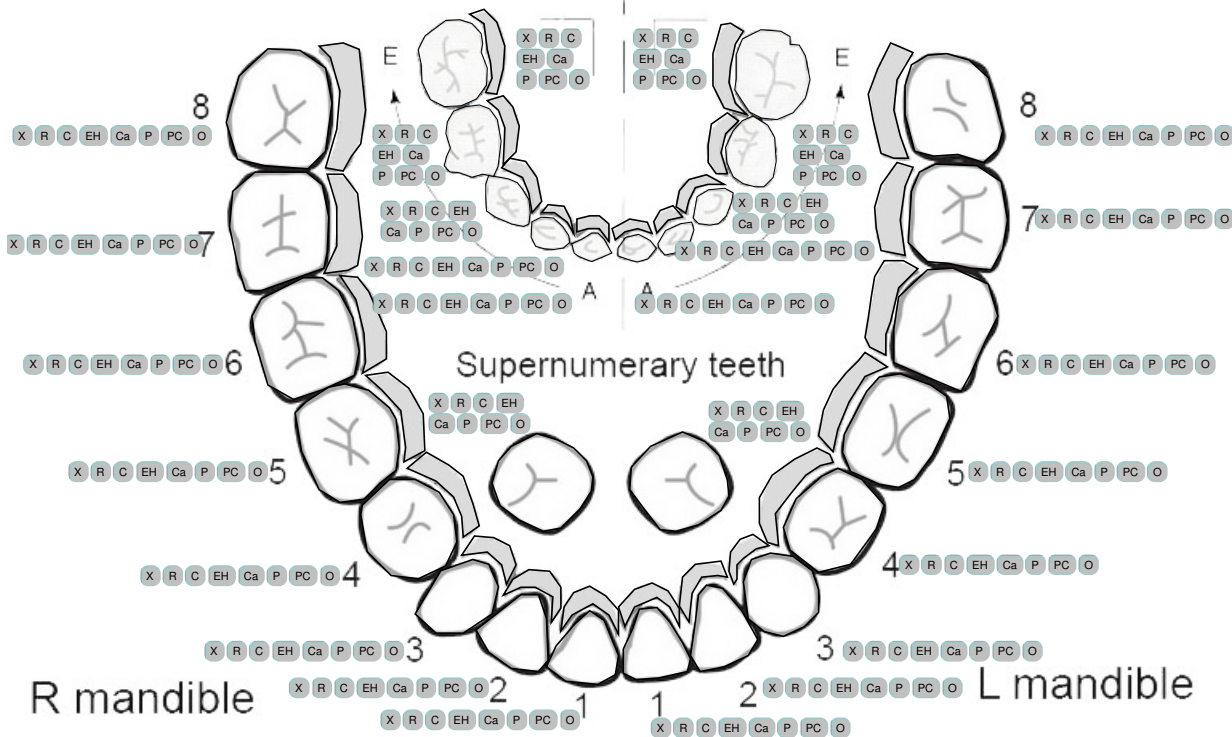
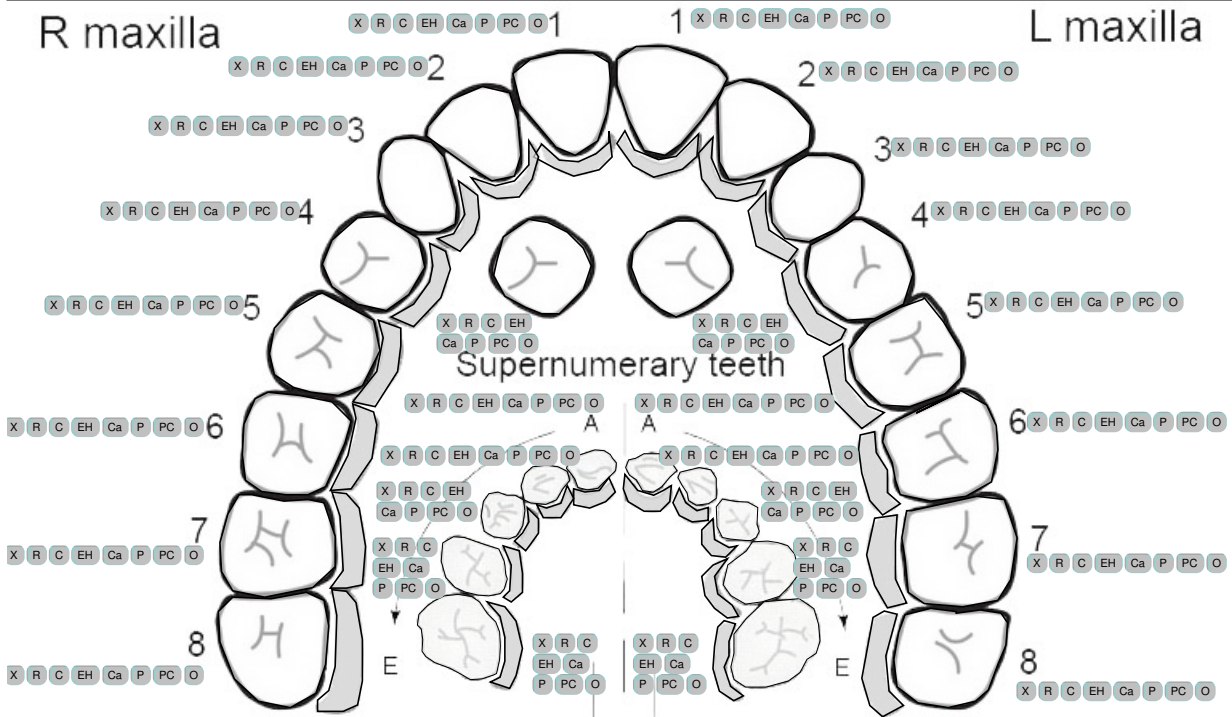
Site Code: M1D17, Skeleton number: 1420

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	-	
Sternal rib ends		
I?can & Loth (1993)	No Data	
I?can & 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	Adult unspecified (>18 yrs)	
	Lower end of range	Upper end of range
Probable age range (yrs)	-	-
Comments		
Overall comments		

Dentition

Dentition summary

Dentition observable?	
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	Not recordable	Not recordable	
Humerus – supra-condylar process	Not recordable	Not recordable	
Pelvis/sacrum – accessory sacral facets	Not recordable	Not recordable	
Acetabular crease	Not recordable	Not recordable	
Femur – Allen's fossa	Not recordable	Not recordable	
Femur – Poirier's facet	Not recordable	Not recordable	
Femur – plaque	Not recordable	Not recordable	
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	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					
Brachyocranic (Broad/round headed)	80.0 – 84.9					
Hyperbrachyocranic (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	-	<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	-				

Comments		
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	-	-	-	-	-	-	
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?	-		
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)	-	-	

	Presence	Details	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
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	Not recordable		
Cribra orbitalia (anaemia) (Stuart-Macadam 1991) Left	Not recordable		
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
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)		L – OA present? (after Rogers + Waldron 1995, 44)		OA secondary to trauma	Comments
			Left				
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	-	Not recordable	-	-		
Wrist	Not recordable	-	Not recordable	-	-		
Hand	Not recordable	-	Not recordable	-	-		
Hip	Not recordable	-	Not recordable	-	-		
Knee	Not recordable	-	Not recordable	-	-		
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	-	-	

	Presence	Details	Comments
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	Not recordable		
Cribriformis 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							

Summary Information

Site Code: M1D17	Skeleton Number: 20575
Period: Roman	Phase: 4
Sub Phase:	Group number: 20576
Grave cut: 20573	Grave fill: 20574
Database record created on: 23/03/2021	Database record created by: Mandy Kingdom
Osteo analysis by: MK	Attached files: M1D17 SK20575 recording form.pdf - (visual inventory and pathology) SK_20575_M1D17_print.pdf - (Automatic PDF print of all form data)
Completeness category: 26-50%	Completeness estimate: 40%
Fragmentation: High	Surface condition: Grade 2
Overall preservation: Fair	
Ancestry:	Adult/Juvenile: Adult
Age category: Adult unspecified (>18 yrs)	Probable age range (yrs):
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?:	Non-specific inflammation/infection present?:
Evidence for specific infection observed?:	Metabolic disease observed?: 1
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?:
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: 26-50%	Completeness estimate: 40%
Fragmentation: High	Surface condition (McKinley 2004): Grade 2
Overall preservation: Fair	Truncation/major skeletal regions missing?:
Staining:	Pits presence:
Pits value:	Striations presence:
Striations value:	Comments: SK is partial and very fragmented. Although all regions are represented the information available is limited.

Inventory

Adult inventory: skull

	Right	Left	Comments
Parietal	1	1	
Temporal	1	1	
Petrous	1	1	
Maxilla	0	0	
Observable maxillary sinus	0	0	
Nasal	0	0	
Zygomatic	0	0	
Lacrimal	0	0	
Palatine	0	0	
Mandible	1	0	
Orbit	0	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)?	0		
Comments			
Overall comments			

Adult inventory: axial

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

	Body	Arch	Comments	
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	1		
Supernumerary TV	0	0		
Unidentified TV #	3	4		
L1	0	1		
L2	0	1		
L3	0	1		
L4	0	1		
L5	0	1		
Supernumerary LV	0	0		
Unidentified LV #	2	0		
S1	0	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	1	1		
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	the cervical vertebrae are the best represented with five complete bodies. the lumbar vertebral arches are all present but are fragmented with post-mortem damage. the thoracic vertebrae are very fragmented. the ribs are also very fragmented with only 3 rib heads present			

Adult inventory: upper limbs

Right	Sternal third	Middle third	Acromial third		
Clavicle	0	0	0		
Left	Sternal third	Middle third	Acromial third		
Clavicle	0	1	0		
Right	P 1/3	M 1/3	D 1/3	Any part	
Humerus	0	1	0	1	a few fragments of the distal epiphysis are present
Radius	0	0	0	0	a tiny piece of the radial head is present
Ulna	0	1	0	1	
Left	P 1/3	M 1/3	D 1/3	Any part	
Humerus	0	1	0	1	
Radius	0	1	0	1	
Ulna	1	1	0	1	
	Right	Left	Comments		
Scapula	0	1			
Acromion observable for os acromiale?	0	0			
Scaphoid	0	1			
Lunate	0	1			
Capitate	0	1			
Triquetral	0	0			
Pisiform	0	0			
Trapezium	0	1			
Trapezoid	0	0			
Hamate	0	0			
Metacarpal 1	0	1			
Metacarpal 2	0	0			
Metacarpal 3	0	1			
Metacarpal 4	0	0			
Metacarpal 5	0	0			
	Unsided	Comments			
Metacarpal (unidentified)	2	Two MC shafts			
	Right	Left	Unsided	Comments	
Proximal phalanges	0	4	0		
Intermediate phalanges	0	4	0		
Distal phalanges	0	3	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	0	1	0	1

Right	P 1/3	M 1/3	D 1/3	Any part	
Tibia	0	1	0	1	only a few anterior spine fragments identifiable
Fibula	0	0	0	0	
Left	P 1/3	M 1/3	D 1/3	Any part	
Femur	0	1	0	1	
Tibia	0	1	0	1	few fragments of anterior spine identifiable
Fibula	0	0	0	0	
		Right	Left	Comments	
Innominate	0	0		a few pelvic fragments are present but no sex or age information can be obtained.	
Auricular surface	0	0			
Pubic symphysis	0	0			
Femur anterior neck region observable for cribra femoralis?	0	0			
Patella	1	1			
Talus	0	0			
Calcaneus	0	0			
Cuboid	0	0			
Navicular	0	0			
Medial cuneiform	0	1			
Intermediate cuneiform	0	1			
Lateral cuneiform	0	0			
Metatarsal 1	0	0			
Metatarsal 2	1	0			
Metatarsal 3	1	0			
Metatarsal 4	1	0			
Metatarsal 5	1	0			
		Unsided	Comments		
Metatarsal (unidentified)	1		an unidentified left MT shaft		
		Right	Left	Unsided	Comments
Proximal phalanges	2	4	0		
Intermediate phalanges	0	1	0		
Distal phalanges	0	0	0		
Foot sesamoids	0	1	0		
Comments					
Overall comments	very fragmented with no epiphyses present				

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	1	
Elbow	0	1	
Wrist	0	1	
Hand	0	1	
Sacro-iliac joint	0	0	

	Right	Left	Comments
Hip	0	0	
Knee	0	0	
Ankle	0	0	
Foot	0	0	
Metatarsal 1 – proximal phalanx 1	0	1	
Comments			
Overall comments			

Ancestry assessment

Metric assessment:					
Skull complete for CRANID?					No Data
CRANID carried out?					No Data
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/steeple 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	No Data		
Comments			
Comments			
Skull			

Method	Category	Comments	
Supraorbital ridges	No Data		
Orbit margin	?Male		
Frontal/forehead slope	No Data		
Mastoid processes	?		
Posterior zygomatic arch	?		
Nuchal crest	No Data		
Anterior mandible	?Female		
Mandibular ramus width	No Data		
Mandibular ramus angle	No Data		
Gonial flaring	No Data		
Comments			
Comments			
Pelvis/sacrum			
Method	Category	Comments	
Sciatic notch	No Data		
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	No Data		
Sacral curvature	No Data		
Sacral auricular surface	No Data		
Comments			
Comments			
Sex estimation measurements			
	Right (mm)	Left (mm)	Comments
Scapula – glenoid cavity length GC1	-	35.00	
Humerus – vertical diameter of head HuD5	-	-	
Radius – max diameter of head	-	-	
Femur – max diameter of head FeDs	-	-	
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)	No Data		
Femur ? bicondylar width FeE1 (>78=M, <72=F)	No Data		
Comments			
Comments	minor traits make sex estimation inconclusive		

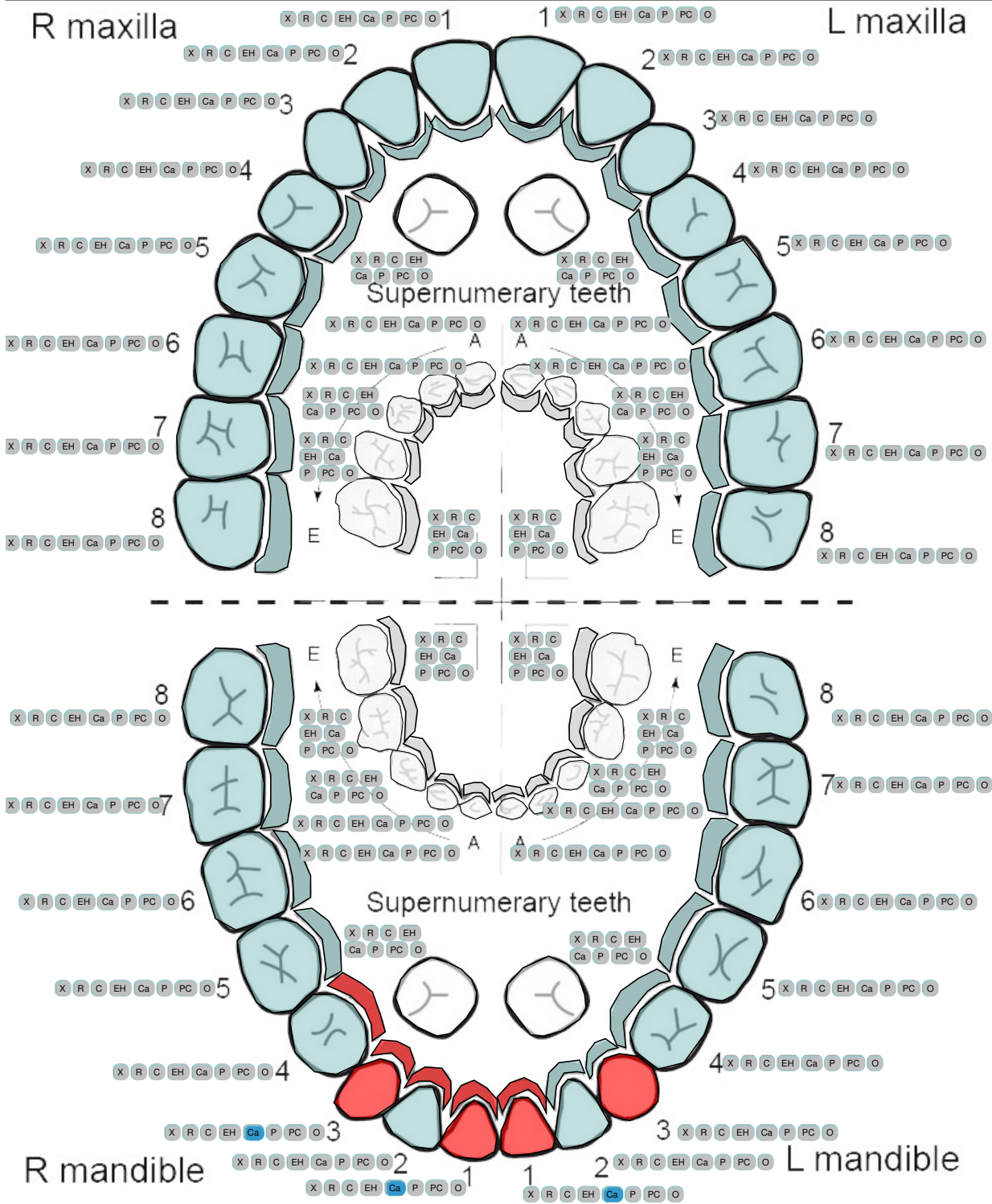
Age estimation

Adult or Juvenile	Adult	
epiphyseal fusion		
Medial clavicle	No Data	
Lateral clavicle	No Data	
Iliac crest	No Data	
Ischial epiphysis	No Data	
Other	Complete	proximal ulna and hand epiphyses are complete
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	-	
Sternal rib ends		
I?can & Loth (1993)	No Data	
I?can & 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	Adult unspecified (>18 yrs)	
		Lower end of range
		Upper end of range
Probable age range (yrs)	-	-
Comments		
Overall comments		

Dentition

Dentition summary

Dentition observable?	Yes
Total no. permanent teeth (inc. unerupted teeth in sockets)	4
Total no. permanent teeth (not inc. unerupted teeth in sockets)	4
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	5
Total no. deciduous sockets/tooth positions	0
Total no. permanent sockets observable for periodontitis	1
Total no. deciduous sockets observable for periodontitis	0
Total no. permanent sockets observable for periapical cavity	2
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	2
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	3
Total no. deciduous teeth with calculus	0
Calculus severity	Medium / Slight
No. permanent teeth observable for dental enamel hypoplasia	4
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	0		
Highest nuchal line	0		
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	0	
Parietal foramen	Not recordable	Not recordable	
Accessory infraorbital foramen	Not recordable	0	
Absent zygomaticofacial foramen	Not recordable	Not recordable	
Supraorbital foramen (bridged notch)	Not recordable	0	
Accessory supraorbital/frontal foramen	Not recordable	0	
Mastoid foramen absent	Not recordable	0	
Mastoid foramen extrasutural	Not recordable	0	
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	very partial and fragmentary little observable		

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	Not recordable	Not recordable	
Humerus – supra-condylar process	Not recordable	Not recordable	
Pelvis/sacrum – accessory sacral facets	Not recordable	Not recordable	
Acetabular crease	Not recordable	Not recordable	
Femur – Allen's fossa	Not recordable	Not recordable	
Femur – Poirier's facet	Not recordable	Not recordable	
Femur – plaque	Not recordable	Not recordable	
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	0	
Patella – vastus notch	Not recordable	0	
Patella – vastus fossa	Not recordable	0	
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	Only non-metrics on L patella observable		

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					
Brachyocranic (Broad/round headed)	80.0 – 84.9					
Hyperbrachyocranic (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"/>	35.00	<input type="checkbox"/>	
Scapula – glenoid cavity width GC2	-	<input type="checkbox"/>	25.00	<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	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – midshaft circumference C	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – bicondylar width FeEl	-	<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	-				

Comments		
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	-	-	-	-	-	-	few metrics possible due to incompleteness of elements
Save preferred bone?	<input type="checkbox"/>						

	Stature (cm)	Comments
Adjusted stature	-	few metrics possible due to incompleteness of elements

Comments	
Comments	few metrics possible due to incompleteness of elements

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)	-	-	

	Presence	Details	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)	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
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?	1		
If present:			
Cribriform orbitalia (anaemia) (Stuart-Macadam 1991) Right	Not recordable		
Cribriform orbitalia (anaemia) (Stuart-Macadam 1991) Left	Type 1		a few healed capillary like impressions are just visible on the central left orbit
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	-				
Vertebral body marginal osteophytes	1				
Vertebral body pitting/dense bone	1				
Spinal Osteoarthritis (sup/inf/costal facets/odontoid joint)	1				
	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	-	3	3	3	-
TV	-	2	-	-	2
LV	-	2	-	-	1
SV1	-	-	-	-	-
	Presence	Details	Comments		
Ankylosis of vertebrae (due to joint disease)	-	-			
Spondylolisthesis (e.g. secondary to spondylolysis)	-	-			
Comments					
Overall comments	vertebrae are very fragmented but there are superior and inferior osteophytes to fragments of vertebral body margins and expansion with porosity to at least 2 superior and inferior thoracic facets and expansion, porosity and eburation to a superior lumbar facet.				

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	-	-	-	-	
Elbow	Not recordable	-	-	-	-	
Wrist	Not recordable	-	OP	-	-	minor lipping of the trapezium articular surface.
Hand	Not recordable	-	OP	-	-	osteophytic expansion and lipping of the distal articular surface of L MC1, and proximal articular margin of a distal phalanx
Hip	Not recordable	-	Not recordable	-	-	
Knee	Not recordable	-	Not recordable	-	-	
Ankle	Not recordable	-	Not recordable	-	-	
Foot	Not recordable	-	Not recordable	-	-	
MT1-PP1	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:			
Cribriform Right	Not recordable		
Cribriform 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:		

Site Code: M1D17, Skeleton number: 20575

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							

Summary Information

Site Code: M1D17	Skeleton Number: 3006
Period: Roman	Phase: 4
Sub Phase:	Group number:
Grave cut: 6005	Grave fill: 6003
Database record created on: 27/01/2021	Database record created by: Mandy Kingdom
Osteo analysis by: MK	Attached files: M1D17 SK3006 recording form.pdf - (visual inventory and pathology) SK3006 R tibia anterior.JPG - (healed fracture) SK3006 R tibia PNB.JPG - (PNB around healed fracture) SK3006 R tibia.JPG - (healed fracture) SK3006 R tibia posterior.JPG - (healed cloaca) SK_3006_M1D17_print.pdf - (Automatic PDF print of all form data)
Completeness category: 51-75%	Completeness estimate: 60%
Fragmentation: High	Surface condition: Grade 2
Overall preservation: Fair	
Ancestry:	Adult/Juvenile: Adult
Age category: Prime adult (26-35 yrs)	Probable age range (yrs): 30 - 34
Sex estimation:	
Cranial index:	Cranial index classification:
Femur – platymeric index: 78.95	Platymeric index classification: Platymeric
Tibia – platycnemic index:	Platycnemic index classification:
Stature:	
Congenital/developmental condition/s present?:	Non-specific inflammation/infection present?:
Evidence for specific infection observed?:	Metabolic disease observed?:
Spinal joint disease observed?:	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?: 1
Photographs taken?:	Additional paper records?:
Radiography recommended?: no ()	Pathogen DNA recommended?: no ()
Further research/analysis required?: no ()	Requires Publication Photography?: no ()
Publication Photography Complete?: no ()	Other comments:
Other observations: the L capitate has a small fossa on the articular surface with the hamate, possible carpal cyst.	

Condition/preservation

Completeness category: 51-75%	Completeness estimate: 60%
Fragmentation: High	Surface condition (McKinley 2004): Grade 2
Overall preservation: Fair	Truncation/major skeletal regions missing?: yes
Staining: no	Pits presence: 0
Pits value:	Striations presence: 0
Striations value:	Comments: Cranium absent, most of ribs and vertebrae absent

Inventory

Adult inventory: skull

	Right	Left	Comments
Parietal	0	0	
Temporal	0	0	
Petrous	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	

	Body	Arch	Comments	
Unidentified CV #	0	4		
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	4		
L1	0	0		
L2	0	0		
L3	0	0		
L4	0	0		
L5	0	0		
Supernumerary LV	0	0		
Unidentified LV #	0	3		
S1	1	1		
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	1	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	5	0	
	Unsided	Comments		
Ossified costal cartilage	0			
	Comments			
Overall comments	very little ribs and vertebrae present, what is present is very fragmented			

Adult inventory: upper limbs

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

	Right	Left	Comments	
Innominate	1	1		
Auricular surface	0	1		
Pubic symphysis	0	0		
Femur anterior neck region observable for cribra femoralis?	1	1		
Patella	1	1		
Talus	1	1		
Calcaneus	1	1		
Cuboid	0	0		
Navicular	1	1		
Medial cuneiform	0	0		
Intermediate cuneiform	1	0		
Lateral cuneiform	0	0		
Metatarsal 1	1	1		
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	0	0	
Intermediate phalanges	0	0	0	
Distal phalanges	0	0	0	
Foot sesamoids	0	0	0	
Comments				
Overall comments	majority of metatarsals are shafts only			

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	1		
Wrist	0	1		
Hand	0	0		
Sacro-iliac joint	0	0		
Hip	1	1		
Knee	0	1		
Ankle	1	1		
Foot	1	1		
Metatarsal 1 – proximal phalanx 1	0	0		
Comments				
Overall comments				

Ancestry assessment

Metrical assessment:	
Skull complete for CRANID?	No Data
CRANID carried out?	No Data
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/steeple 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	No Data	
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	Male	
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	Male	
Ilium auricular surface	Male	
Sacral alae width	No Data	
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	51.00	51.00	
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	Complete	
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	

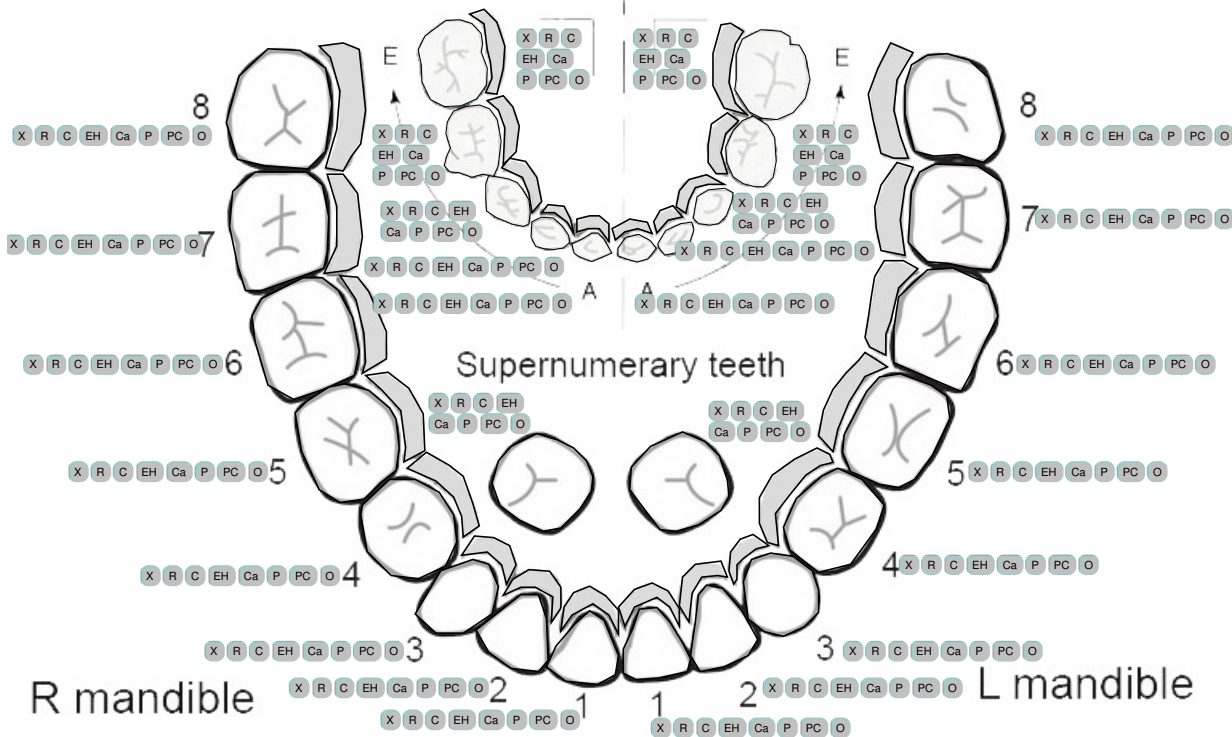
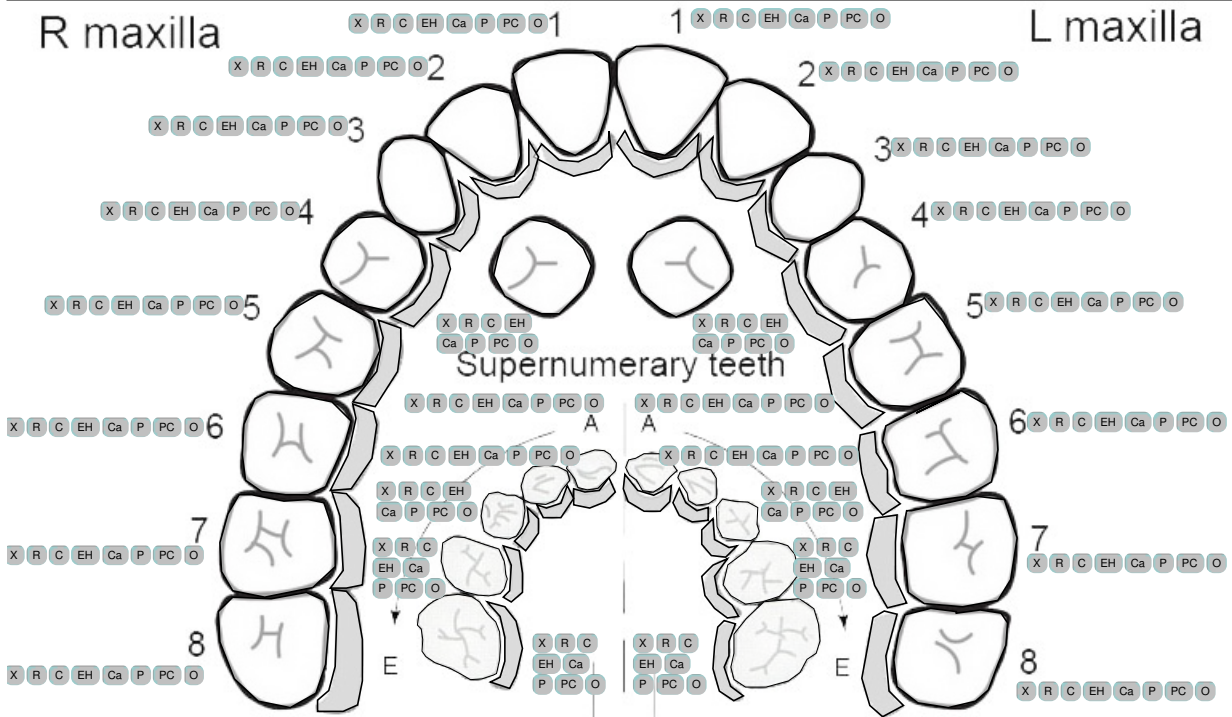
Site Code: M1D17, Skeleton number: 3006

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)	Phase 3 (30-34 yrs)	partial left auricular surface only present, some striae and coarse granulation observed suggesting probable phase 3 (prime adult)
Lovejoy et al (1985) Span of two or more phases	-	
Sternal rib ends		
I?can & Loth (1993)	No Data	
I?can & 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	34
Comments		
Overall comments		

Dentition

Dentition summary

Dentition observable?	
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	0		
Highest nuchal line	0		
Ossicle at lambda	0		
Bregmatic bone	0		
	Right	Left	Comments
Lambdoid ossicle	0	0	
Coronal ossicle	0	0	
Ossicle at asterion	0	0	
Epipteric bone	0	0	
Parietal notch bone	0	0	
Fronto-temporal articulation	0	0	
	Unsided	Comments	
Palatine torus	0		
	Right	Left	Comments
Maxillary torus	0	0	
Mandibular torus	0	0	
Auditory torus	0	0	
Parietal foramen	0	0	
Accessory infraorbital foramen	0	0	
Absent zygomaticofacial foramen	0	0	
Supraorbital foramen (bridged notch)	0	0	
Accessory supraorbital/frontal foramen	0	0	
Mastoid foramen absent	0	0	
Mastoid foramen extrasutural	0	0	
Double condylar facet	0	0	
Precondylar tubercle	0	0	
Foramen of Huschke	0	0	
Incomplete foramen ovale	0	0	
Accessory lesser palatine foramen	0	0	
Open foramen spinosum	0	0	
Anterior ethmoid foramen (extrasutural)	0	0	
Posterior ethmoid foramen (absent)	0	0	
Posterior condylar canal open	0	0	
Double anterior condylar canal	0	0	
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	0	
Humerus – supra-condylar process	0	0	
Pelvis/sacrum – accessory sacral facets	Not recordable	Not recordable	
Acetabular crease	0	0	
Femur – Allen's fossa	0	0	
Femur – Poirier's facet	0	0	
Femur – plaque	0	0	
Femur – third trochanter	Not recordable	1	
Femur – hypotrochanteric fossa	Not recordable	0	
Femur – exostosis in trochanteric fossa	0	Not recordable	
Patella – emarginate	0	0	
Patella – vastus notch	0	0	
Patella – vastus fossa	0	0	
Tibia – medial squatting facet	0	Not recordable	
Tibia – lateral squatting facet	0	Not recordable	
Talus – os trigonum	0	0	
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					
Brachyocranic (Broad/round headed)	80.0 – 84.9					
Hyperbrachyocranic (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	65.00	<input type="checkbox"/>	61.00	<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"/>	30.00	<input type="checkbox"/>	
Femur – med-lat subtroch diameter FeD2	-	<input type="checkbox"/>	38.00	<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	51.00	<input type="checkbox"/>	51.00	<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	130.00	<input type="checkbox"/>	-	<input type="checkbox"/>	approx. measurement enlarged circumference due to pathology
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)	78.95	
Platymeric index classification	Platymeric	
Platymeric (broad or flat, from front to back)	<84.9	
Eurymeric	85.0 – 99.9	
Stenomerivic (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?	-		
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)	-	-	

	Presence	Details	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?	1			
If present:				
Periostitis:				

Site Code: M1D17, Skeleton number: 3006

Affected bone	0/1/Count	Healing status	Severity	Localisation	Details
R Tibia	1	Both	Considerable	Localised	the proximal to mid point of the diaphysis is enlarged with contour change (length 130mm, width 65mm), no evidence of osteitis, there is active/healing porous compact bone to the anterior surface with expansion onto the lateral posterior boarder (total area width of PNB 80mm). the posterior surface does not have any PNB but there is a possible healed cloaca 50mm inferiorly of the nutrient foramen. the fossa has healed smooth margins and sides (L 25mm, W14mm, depth 12mm) but does not appear to penetrate into the medullary cavity. There is no evidence of infection on the distal diaphysis. There is contour change diagonally at the midpoint which may indicate a healed antemortem fracture.
L Tibia	1	Healed	Slight		healed smooth but still straited PNB can be observed on a fragment of proximal diaphysis but due to fragmentation the extent can not be ascertained.
L Humerus	1	Healed	Slight		There is porous compact bone on 2 small proximal diaphysis fragments. extent can not be ascertained due to fragmentation.
R Fibula	1	Healed	Slight	Localised	healed sooth porotic PNB to the medial - mid-distal diaphysis approx 25mm in length and 10mm wide.

Ectocranial porosity – 'orange-peel' lesions 0

Osteitis observed? 0

If present:

Osteitis:

Affected bone	0/1/Count	Healing status	Details
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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:			
Cribriform orbitalia (anaemia) (Stuart-Macadam 1991) Right	0		
Cribriform 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?	-					
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	-	-	-	-	-	
Wrist	Not recordable	-	-	-	-	
Hand	Not recordable	-	Not recordable	-	-	
Hip	OP	-	OP	-	-	minor osteophytic bone to the lateral femoral heads and acetabula margins.
Knee	Not recordable	-	-	-	-	
Ankle	-	-	-	-	-	
Foot	-	-	-	-	-	
MT1-PP1	Not recordable	-	Not recordable	-	-	
	Right	Left	Comments			
Hallux valgus	0	0				
	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:			

	Presence	Details	Comments
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?	1	
No. of undiagnosed conditions observed in this skeleton	1	
If present:		
Undiagnosed conditions:		

Site Code: M1D17, Skeleton number: 3006

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
R Humerus	1	Lytic					A fragment of R humoral diaphysis has a possible lytic lesion due to muscular skeletal trauma the changes may be due to a healed ante-mortem fracture.
Overall comments							

Summary Information

Site Code: M1D17	Skeleton Number: 6004
Period: Roman	Phase: 4
Sub Phase:	Group number:
Grave cut: 6005	Grave fill: 6003
Database record created on: 22/03/2021	Database record created by: Mandy Kingdom
Osteo analysis by: MK	Attached files: M1D17 SK6004 recording form.pdf - (visual inventory and pathology) SK_6004_M1D17_print.pdf - (Automatic PDF print of all form data)
Completeness category: 51-75%	Completeness estimate: 60%
Fragmentation: High	Surface condition: Grade 2
Overall preservation: Fair	
Ancestry:	Adult/Juvenile: Adult
Age category: Adult unspecified (>18 yrs)	Probable age range (yrs):
Sex estimation: Male	
Cranial index:	Cranial index classification:
Femur – platymeric index: 84.62	Platymeric index classification: Platymeric
Tibia – platycnemic index: 75.00	Platycnemic index classification: Eurycnemic
Stature:	
Congenital/developmental condition/s present?:	Non-specific inflammation/infection present?: 1
Evidence for specific infection observed?:	Metabolic disease observed?:
Spinal joint disease observed?: 1	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?:
Radiography recommended?: no ()	Pathogen DNA recommended?: no ()
Further research/analysis required?: no ()	Requires Publication Photography?: no ()
Publication Photography Complete?: no ()	Other comments:
Other observations: The individual is robust with strong rugose muscle attachments particularly along the linear aspera and at the triceps insertion points. The interosseous boarder of both ulnae is extended and there is extension, pitting and osteophytes on the right radial tuberosity associated with the insertion for m. biceps.	

Condition/preservation

Completeness category: 51-75%	Completeness estimate: 60%
Fragmentation: High	Surface condition (McKinley 2004): Grade 2
Overall preservation: Fair	Truncation/major skeletal regions missing?:
Staining:	Pits presence:
Pits value:	Striations presence:
Striations value:	Comments:

Inventory

Adult inventory: skull

	Right	Left	Comments
Parietal	1	1	
Temporal	1	1	
Petrous	1	1	
Maxilla	0	0	
Observable maxillary sinus	0	0	
Nasal	0	0	
Zygomatic	1	1	
Lacrimal	0	0	
Palatine	0	0	
Mandible	1	1	
Orbit	0	0	
Ear ossicles	0	0	
Unsided		Comments	
Frontal	1		
Occipital	1		
Sphenoid	0		
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		cranial vault is very fragmented with only partial bones and small fragments of areas present.
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		a few very fragmented pieces of mainly the posterior aspect present
Coccyx 1	0		
Coccyx 2	0		
Coccyx 3	0		
	Body	Arch	Comments
C1	1	1	
C2	1	1	
C3	1	0	
C4	1	0	
C5	1	0	
C6	1	0	
C7	1	0	

	Body	Arch	Comments	
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	7	vertebrae very fragmented with only partial arches present	
L1	0	0		
L2	0	0		
L3	0	0		
L4	0	0		
L5	0	0		
Supernumerary LV	0	0		
Unidentified LV #	1	3	very fragmented with 3 fragmented arches and a fragmented body	
S1	0	0		
S2	0	0		
S3	0	0		
S4	0	0		
S5	0	0		
Supernumerary SV	0	0		
Unidentified SV #	0	2	very fragmented small fragments of posterior aspect, at least fragments from S1 & possibly S2.	
	Right	Left	Comments	
Rib 1	0	1		
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 #	0	0	0	medial section of L rib 1 and a few shaft fragments only
	Unsided	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	0	
Right	P 1/3	M 1/3	D 1/3	Any part
Humerus	0	1	1	1
Radius	1	1	0	1
Ulna	1	1	0	1
Left	P 1/3	M 1/3	D 1/3	Any part
Humerus	1	1	1	1
Radius	0	1	0	1
Ulna	0	1	0	1
	Right	Left	Comments	
Scapula	1	1		
Acromion observable for os acromiale?	0	0		
Scaphoid	1	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	1		
Metacarpal 2	0	0		
Metacarpal 3	0	0		
Metacarpal 4	0	0		
Metacarpal 5	0	0		
	Unsided	Comments		
Metacarpal (unidentified)	5	4 right MC shafts, 1 L MC shaft,		
	Right	Left	Unsided	Comments
Proximal phalanges	2	0	0	
Intermediate phalanges	2	1	0	
Distal phalanges	0	0	0	
Hand sesamoids	0	0	0	
Comments				
Overall comments	all elements are fragmented particularly the epiphyses if present, although few are.			

Adult inventory: lower limbs

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

	Right	Left	Comments	
Innominate	1	1		
Auricular surface	0	0		
Pubic symphysis	0	0		
Femur anterior neck region observable for cribra femoralis?	0	0		
Patella	1	0		
Talus	1	1		
Calcaneus	1	1		
Cuboid	1	0		
Navicular	1	0		
Medial cuneiform	0	0		
Intermediate cuneiform	0	1		
Lateral cuneiform	0	0		
Metatarsal 1	1	0		
Metatarsal 2	1	0		
Metatarsal 3	1	0		
Metatarsal 4	1	0		
Metatarsal 5	1	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	lower limbs very fragmented, only partial femur heads present otherwise epiphyses absent, MT shafts only, innominate: just mid section present with partial acetabula			

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	0	0		
Hand	0	0		
Sacro-iliac joint	0	0		
Hip	1	1		
Knee	0	0		
Ankle	1	0		
Foot	0	0		
Metatarsal 1 – proximal phalanx 1	0	0		
Comments				
Overall comments	few joint surfaces present and what is present has a high degree of post mortem damage			

Ancestry assessment

Metric assessment:	
Skull complete for CRANID?	No Data
CRANID carried out?	No Data

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		
Comments			
Comments			
Skull			
Method	Category	Comments	
Supraorbital ridges	No Data		
Orbit margin	No Data		
Frontal/forehead slope	No Data		
Mastoid processes	Male		
Posterior zygomatic arch	?Male		
Nuchal crest	Male		
Anterior mandible	Male		
Mandibular ramus width	Male		
Mandibular ramus angle	Male		
Gonial flaring	Male		
Comments			
Comments		Cranium only partial and very fragmented traits present indicate Male	

Pelvis/sacrum			
Method	Category	Comments	
Sciatic notch	Male		
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	Male		
Ilium auricular surface	No Data		
Sacral alae width	No Data		
Sacral curvature	No Data		
Sacral auricular surface	No Data		
Comments			
Comments	little of the pelvis survives but the right sciatic notch is very narrow and along with the size of the acetabula would indicate a male individual.		
Sex estimation measurements			
	Right (mm)	Left (mm)	Comments
Scapula – glenoid cavity length GC1	-	43.00	
Humerus – vertical diameter of head HuD5	-	-	
Radius – max diameter of head	-	-	
Femur – max diameter of head FeDs	51.00	-	
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

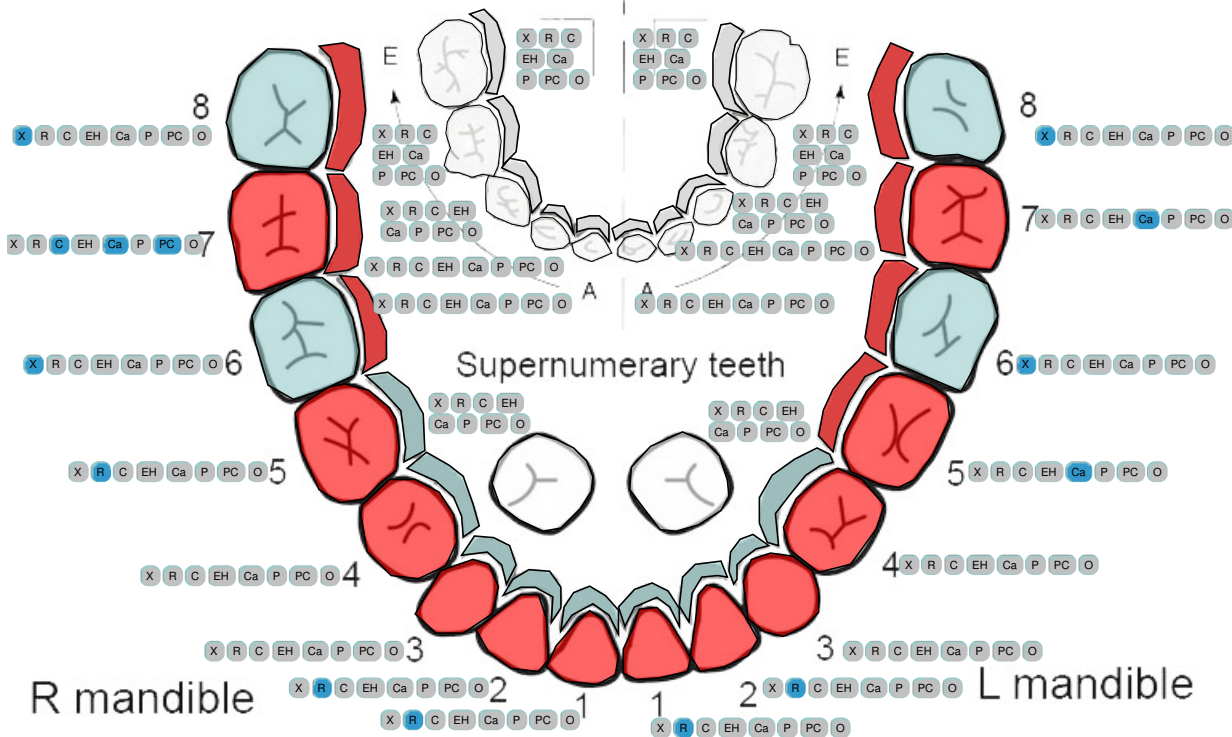
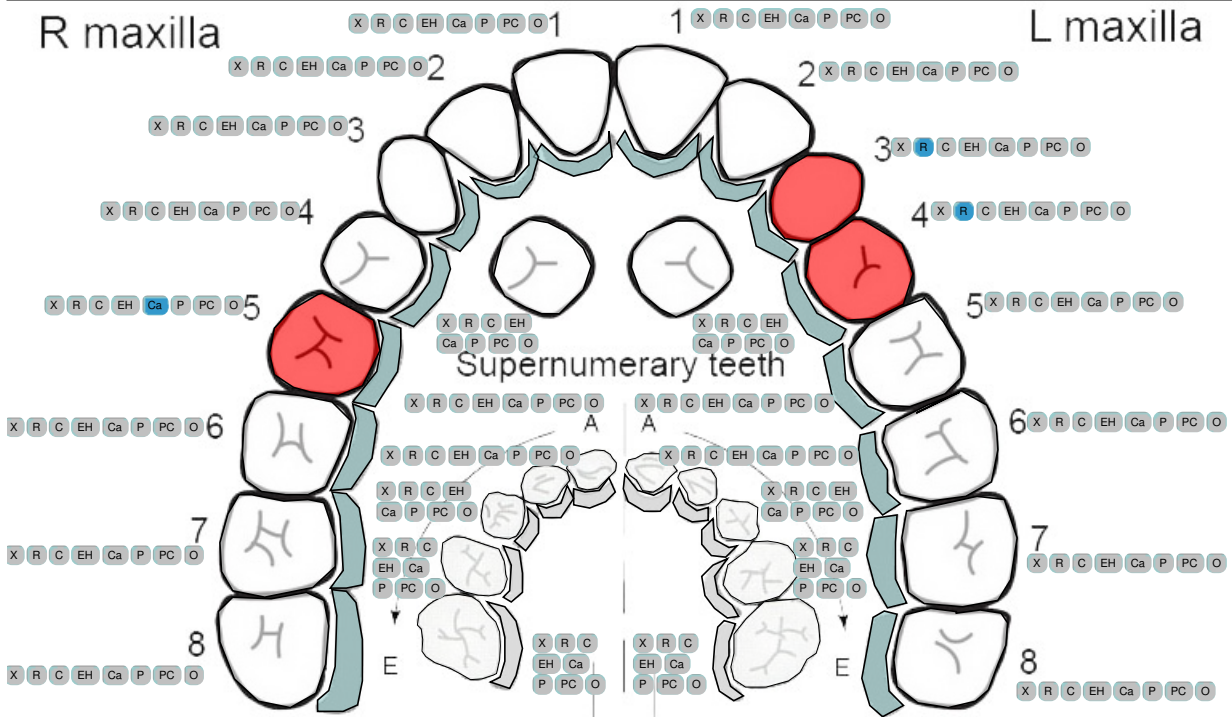
Adult or Juvenile	Adult	
epiphyseal fusion		
Medial clavicle	No Data	
Lateral clavicle	No Data	
Iliac crest	No Data	
Ischial epiphysis	No Data	
Other	No Data	
Dental development/eruption		
Third molars	No Data	

Dental Attrition		
Brothwell (1981)	Not recordable	
Miles (1963) M1	No Data	
Miles (1963) M2	38-45 yrs	
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	-	
Sternal rib ends		
I?can & Loth (1993)	No Data	
I?can & 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	Adult unspecified (>18 yrs)	
	Lower end of range	Upper end of range
Probable age range (yrs)	-	-
Comments		
Overall comments		

Dentition

Dentition summary

Dentition observable?	Yes
Total no. permanent teeth (inc. unerupted teeth in sockets)	15
Total no. permanent teeth (not inc. unerupted teeth in sockets)	15
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	7
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	3
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	4
Total no. deciduous teeth lost ante-mortem	0
Total no. permanent teeth with caries	1
Total no. deciduous teeth with caries	0
Caries severity	Large
Total no. permanent teeth with calculus	4
Total no. deciduous teeth with calculus	0
Calculus severity	Medium / Slight
No. permanent teeth observable for dental enamel hypoplasia	7
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	1
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	0		
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	1	1	
Auditory torus	0	0	
Parietal foramen	1	0	
Accessory infraorbital foramen	Not recordable	Not recordable	
Absent zygomaticofacial foramen	1	1	
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	Cranium only partially present, very fragmented and poor surface preservation		

Non metrics - Post Cranial

	Right	Left	Comments
Atlas – facet form double	0	0	
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	Not recordable	Not recordable	
Humerus – supra-condylar process	0	0	
Pelvis/sacrum – accessory sacral facets	Not recordable	Not recordable	
Acetabular crease	0	0	
Femur – Allen's fossa	Not recordable	Not recordable	
Femur – Poirier's facet	Not recordable	Not recordable	
Femur – plaque	Not recordable	Not recordable	
Femur – third trochanter	0	0	
Femur – hypotrochanteric fossa	0	0	
Femur – exostosis in trochanteric fossa	Not recordable	Not recordable	
Patella – emarginate	0	Not recordable	
Patella – vastus notch	0	Not recordable	
Patella – vastus fossa	0	Not recordable	
Tibia – medial squatting facet	Not recordable	Not recordable	
Tibia – lateral squatting facet	Not recordable	Not recordable	
Talus – os trigonum	0	Not recordable	
Talus – double inferior anterior facet	Not recordable	Not recordable	
Talus – lateral talar extension	0	Not recordable	
Talus – medial talar facet	Not recordable	Not recordable	
Calcaneus – anterior facet absent	0	Not recordable	
Calcaneus – double anterior facet	0	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					
Brachyocranic (Broad/round headed)	80.0 – 84.9					
Hyperbrachyocranic (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"/>	36.00	<input checked="" type="checkbox"/>	
Central (mm)		Is reconstructed	Comments		
Mandible - bicondylar breadth WI	-	<input type="checkbox"/>			
Mandible - foramen mentale breadth ZZ	48.00	<input checked="" type="checkbox"/>			
Mandible - bigonial breadth GoGo	94.00	<input checked="" 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"/>	43.00	<input checked="" 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"/>	62.00	<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	26.00	<input type="checkbox"/>	33.00	<input type="checkbox"/>	
Femur – med-lat subtroch diameter FeD2	37.00	<input type="checkbox"/>	39.00	<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	51.00	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – midshaft circumference C	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Femur – bicondylar width FeEl	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – length TiL1	-	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – max ant-post diameter at nutrient foramen TiD1	36.00	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – transverse (med-lat) diameter at nutrient foramen TiD2	27.00	<input type="checkbox"/>	-	<input type="checkbox"/>	
Tibia – circumference at nutrient foramen C	89.00	<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)	84.62				
Platymeric index classification	Platymeric				

Comments		
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)	75.00	
Platycnemic index classification	Eurycnemic	
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	-	-	-	-	-	
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?	-		
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)	-	-	

	Presence	Details	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?	1			
		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?	1			
If present:				
Periostitis:				

Affected bone	0/1/Count	Healing status	Severity	Localisation	Details
L Zygomatic	1	Healed	Slight	Localised	small area of smooth porotic compact bone to the lateral anterior edge
R Innominate	1	Healed	Slight	Localised	13mm x 25mm of healed smooth compact bone to posterior aspect of acetabulum in area of ischiofemoral ligament.
R Tibia	1	Healed	Slight	Diffuse	smooth but still striated periosteal new bone to the medial aspect of the diaphysis
L Tibia	1	Healed	Slight	Diffuse	smooth but still striated periosteal new bone to the medial aspect of the diaphysis
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					general healed PNB to the medial tibiae, smooth healed PNB to the R innominate not evident on left, ? associated with OA of hip and soft tissue damage around hip joint.

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:			
Cribriform orbitalia (anaemia) (Stuart-Macadam 1991) Right	Not recordable		
Cribriform orbitalia (anaemia) (Stuart-Macadam 1991) Left	Not recordable		
Porotic hyperostosis (anaemia)	-	-	
Rickets/residual rickets deformity (juvenile Vit D deficiency)	-	-	
Osteomalacia (adult Vit D deficiency)	-	-	
Scurvy (Vit C deficiency)	-	-	

	Presence	Details	Comments
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	-					
Vertebral body marginal osteophytes	1					
Vertebral body pitting/dense bone	1					
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	-	1	5	-	-	
TV	-	-	-	-	-	
LV	-	1	-	-	-	
SV1	-	-	-	-	-	
	Presence	Details	Comments			
Ankylosis of vertebrae (due to joint disease)	-	-				
Spondylolisthesis (e.g. secondary to spondylolysis)	-	-				
Comments						
Overall comments	vertebrae are very fragmented and incomplete. no obvious spinal OA to facets. pitting and dense bone observed on clavicle body fragments and both superior and inferior marginal osteophytes to only lumbar vertebral body present.					

Pathology - Extra-spinal joint disease

	Presence	Comments				
Extra-spinal joint disease observed?	1					
Extra-spinal osteoarthritis observed (in any joint)?	1					
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+PO	-	-	minor osteophytic lipping to fragments of glenoid fossa and small area of porosity to fragment of humeral head.

Joint	Right	R – OA present? (after Rogers + Waldron 1995, 44)		L – OA present? (after Rogers + Waldron 1995, 44)		OA secondary to trauma	Comments
			Left				
Elbow	-	-	-	-	-		
Wrist	Not recordable	-	Not recordable	-	-		
Hand	Not recordable	-	Not recordable	-	-		
Hip	OP+PO+JC+EB	1	OP+PO+JC	1	-		partial femoral head present has macro porosity and a small area of eburnation to the posterior aspect. this is matched on the posterior margin/area of the right acetabulum along with joint contour change and enthesophytes. On the left femoral had there is osteophytic new bone around the fovea but no porosity on the fragment present. there is porosity, osteophytic new bone and contour change to the posterior margin of the left acetabulum but no eburnation observed.
Knee	Not recordable	-	Not recordable	-	-		
Ankle	-	-	Not recordable	-	-		
Foot	Not recordable	-	Not recordable	-	-		
MT1-PP1	Not recordable	-	Not recordable	-	-		
		Right	Left	Comments			
Hallux valgus	0		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 Right	Not recordable		
Cribriformis 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

Site Code: M1D17, Skeleton number: 6004

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							