

Summary Information	
Site Code: HOSIR17	Skeleton Number: 1199
Period: Roman	Phase:
Sub Phase:	Group number: 50008
Grave cut: 1198	Grave fill: 1200
Database record created on: 19/06/2018	Database record created by: Lauren McIntyre
Osteo analysis by: LM	Attached files: DSC_0001 (127).JPG - () DSC_0002 (107).JPG - ()
Completeness category: 26-50%	Completeness estimate: 35%
Fragmentation: High	Surface condition: Grade 2
Overall preservation: Fair	
Ancestry:	Adult/Juvenile: Adult
Age category: Prime adult (26-35 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?: 1
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?: 1
Radiography recommended?: no ()	Pathogen DNA recommended?: no ()
Further research/analysis required?: no ()	Requires Publication Photography?: no ()
Publication Photography Complete?: no ()	Other comments: Calculus, caries, AMTL, enamel hypoplasia, periodontal disease, periapical cavity, malalignment Marginal osteophytes, undiagnosed lesion
Other observations:	
Condition/preservation	
Completeness category: 26-50%	Completeness estimate: 35%
Fragmentation: High	Surface condition (McKinley 2004): Grade 2
Overall preservation: Fair	Truncation/major skeletal regions missing?: Lower legs and feet absent because of ploughing.
Staining:	Pits presence: 0
Pits value:	Striations presence: 0
Striations value:	Comments:

Inventory

Adult inventory: skull

	Right	Left	Comments
Parietal	1	1	
Temporal	1	0	
Petrous	0	0	
Maxilla	1	1	
Observable maxillary sinus	1	0	
Nasal	0	0	
Zygomatic	1	0	
Lacrimal	0	0	
Palatine	0	0	
Mandible	1	1	
Orbit	1	0	
Ear ossicles	1	0	
	Unsided	Comments	
Frontal	1		
Occipital	1		
Sphenoid	1		
Vomer	0		
Ethmoid	0		
Observable endocranial surface	1		
Inferior nasal concha	0		
Hyoid	0		
Cricoid cartilage	0		
Thyroid cartilage	0		
Other cartilage	0		
Any cranial vault present?	1		
Any facial region present (maxilla/zygomatic/nasal)?	1		
	Comments		
Overall comments			

Adult inventory: axial

	Unsided	Comments	
Manubrium	0		
Sternal body	0		
Xyphoid	0		
Sacrum	1		
Coccyx 1	0		
Coccyx 2	0		
Coccyx 3	0		
	Body	Arch	Comments
C1	1	0	
C2	1	0	
C3	1	0	
C4	0	0	
C5	0	0	
C6	0	0	
C7	0	0	
Supernumerary CV	0	0	
Unidentified CV #	0	1	
T1	0	0	
T2	0	0	
T3	0	0	

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

Adult inventory: upper limbs

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

Humerus	1	1	1	1	
Radius	0	1	1	1	
Ulna	0	1	1	1	
	Right	Left	Comments		
Scapula	1	1			
Acromion observable for os acromiale?	0	0			
Scaphoid	1	1			
Lunate	1	0			
Capitate	1	1			
Triquetral	0	0			
Pisiform	0	0			
Trapezium	0	0			
Trapezoid	0	1			
Hamate	1	0			
Metacarpal 1	0	0			
Metacarpal 2	1	0			
Metacarpal 3	1	0			
Metacarpal 4	1	1			
Metacarpal 5	1	0			
	Unsided	Comments			
Metacarpal (unidentified)	0				
	Right	Left	Unsided	Comments	
Proximal phalanges	3	0	0		
Intermediate phalanges	0	0	0		
Distal phalanges	0	0	0		
Hand sesamoids	0	0	0		
Comments					
Overall comments					

Adult inventory: lower limbs

Right	P 1/3	M 1/3	D 1/3	Any part	
Femur	1	1	0	1	
Tibia	0	0	0	0	
Fibula	0	0	0	0	
Left	P 1/3	M 1/3	D 1/3	Any part	
Femur	1	0	0	1	
Tibia	0	0	0	0	
Fibula	0	0	0	0	
	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	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	1	0	
Elbow	1	0	
Wrist	1	1	
Hand	1	1	
Sacro-iliac joint	0	0	
Hip	1	1	
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?				0	
CRANID carried out?				0	
CRANID document					
CRANID result				No Data	
Morphological assessment (only carry out where non-White characteristics are suspected):					
Characteristic	East Asian	Am. Indian	White	Polynesian	Black
Cranial form	☐ Broad	☐ Med-broad	☐ Medium	☐ Highly variable	☐ Long
Sagittal outline	☐ High, globular	☐ Medium-low sloping frontal	☐ High, rounded	☐ Medium	☐ Highly variable post-bregmatic expression
Cranial sutures	☐ Complex	☐ Complex	☐ Simple	☐ Complex	☐ Simple
Nose form	☐ Medium	☐ Medium	☐ Narrow	☐ Medium	☐ Broad
Nasal bone size	☐ Small	☐ Medium/large	☐ Large	☐ Medium	☐ Medium/small
Nasal bridge form	☐ Flat	☐ Med/tented	☐ High/steeply like	☐ Medium	☐ Low/Quonset hut
Nasal profile	☐ Concave	☐ Concavo-convex	☐ Straight	☐ Concavo/convexo-concave	☐ Straight/concave
Interorbital projection	☐ Very low	☐ Low	☐ High-prominent	☐ Low	☐ Low
Nasal spine	☐ Medium	☐ Medium, tilted	☐ Prominent, straight	☐ Highly variable	☐ Reduced
Nasal sill	☐ Medium	☐ Medium	☐ Sharp	☐ Dull/absent	☐ Dull/absent
Incisor form	☐ Shovelled	☐ Shovelled	☐ Blade	☐ Blade/shovelled	☐ Blade
Facial prognathism	☐ Moderate	☐ Medium	☐ Reduced	☐ Moderate	☐ Extreme
Alveolar prognathism	☐ Moderate	☐ Medium	☐ Reduced	☐ Moderate	☐ Extreme
Malar form	☐ Projecting	☐ Projecting	☐ Reduced	☐ Projecting	☐ Reduced
Zygomatic-maxillary suture	☐ Angled	☐ Angled	☐ Curved	☐ Curved/angled	☐ Curved/angled
Palatal form	☐ Parabolic/elliptic	☐ Elliptic/parabolic	☐ Parabolic	☐ Parabolic	☐ Hyperbolic/parabolic
Palatine suture	☐ Straight/jagged	☐ Straight	☐ Jagged	☐ Highly variable	☐ Arched/jagged

Orbital form	☐ Round	☐ Rhomboid	☐ Rhomboid	☐ Rhomboid	☐ Round
Mastoid form	☐ Wide	☐ Wide	☐ Narrow, pointed	☐ Wide	☐ Oblique posterior tubercle
Mandible	☐ Robust	☐ Robust	☐ Medium, cupped below incisors	☐ Rocker form	☐ Oblique gonial flare
Chin projection	☐ Moderate	☐ Moderate	☐ Prominent	☐ Moderate	☐ Reduced
Chin form	☐ Median	☐ Median	☐ Bilateral	☐ Median	☐ 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	?		
Comments			
Comments			
Skull			
Method	Category	Comments	
Supraorbital ridges	No Data		
Orbit margin	?		
Frontal/forehead slope	No Data		
Mastoid processes	No Data		
Posterior zygomatic arch	No Data		
Nuchal crest	?Male		
Anterior mandible	?Male		
Mandibular ramus width	?Female		
Mandibular ramus angle	No Data		
Gonial flaring	No Data		
Comments			
Comments			
Pelvis/sacrum			
Method	Category	Comments	
Sciatic notch	?Female		
Subpubic angle	No Data		
Subpubic concavity	No Data		
Ischio-pubic ramus	No Data		
Ventral arc	No Data		
Preauricular sulcus	No Data		
Obturator foramen	No Data		
Pelvic brim	No Data		
Acetabulum	No Data		
Illium 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	50.80	-	
Femur – bicondylar width FeEI	-	-	

Metrics for sex estimation (after Chamberlain 1994, Bass 1987)		
Method	Category	Comments
Scapula - glenoid cavity length GC1 (>37=M, <34=F)	No Data	
Humerus - vertical diameter of head HuD5 (>47=M, <43=F)	No Data	
Radius - max. diameter of head (>24=M, <21=F)	No Data	
Femur - max. diameter of head FeDs (>48=M, <43=F)	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	Fully erupted and/or apex complete	
Dental Attrition		
Brothwell (1981)	25-35 yrs	
Miles (1963) M1	30-36 yrs	
Miles (1963) M2	25-32 yrs	
Miles (1963) M3	25-32 yrs	
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		
Işcan & Loth (1993)	No Data	
Işcan & Loth (1993) Span of two or more phases	-	
Cranial suture closure (Meindl & Lovejoy (1985))		
Vault sites composite score	No Data	
Lateral-Anterior sites composite score	No Data	
Final age estimation		

Age category	Prime adult (26-35 yrs)	
	Lower end of range	Upper end of range
Probable age range (yrs)	-	-
	Comments	
Overall comments		

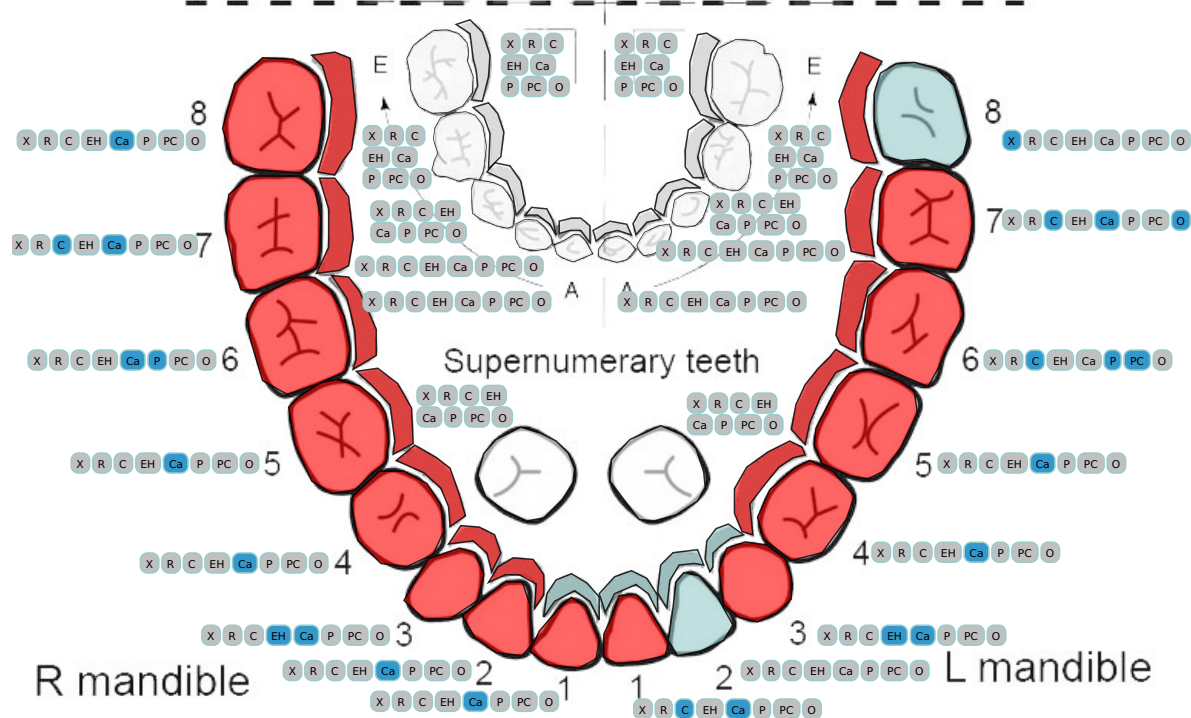
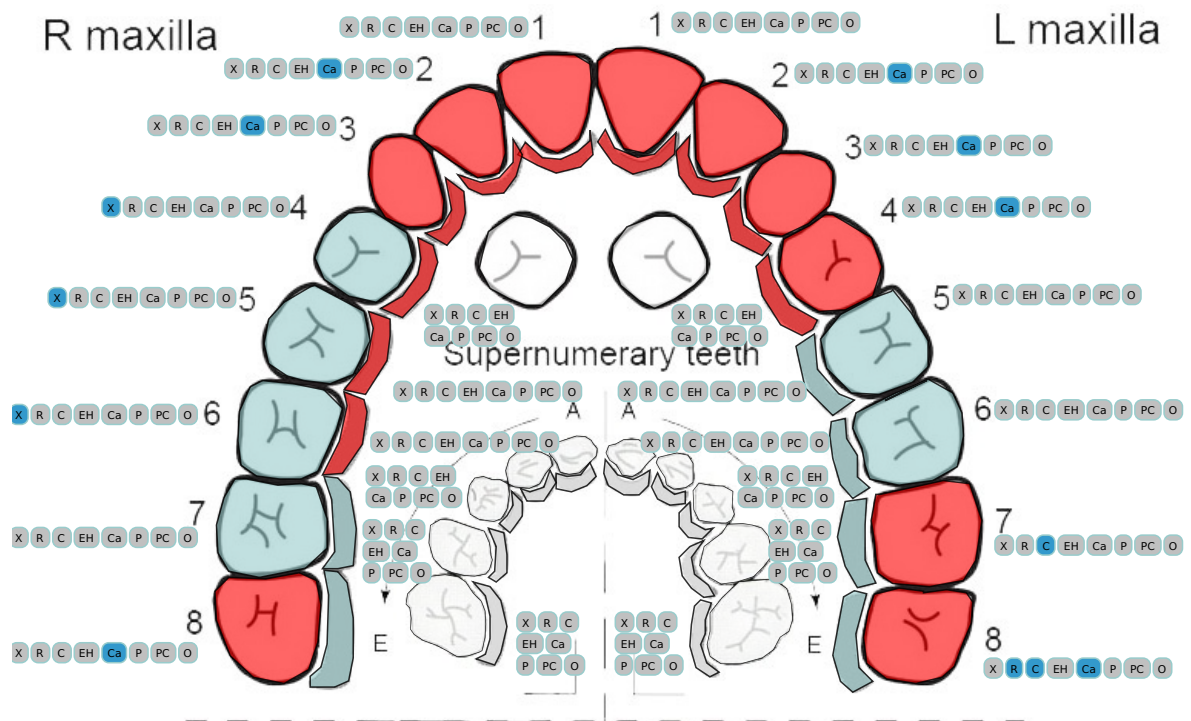
Dentition

Dentition summary

Dentition observable?	Yes
Total no. permanent teeth (inc. unerupted teeth in sockets)	24
Total no. permanent teeth (not inc. unerupted teeth in sockets)	24
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	22
Total no. deciduous sockets/tooth positions	0
Total no. permanent sockets observable for periodontitis	5
Total no. deciduous sockets observable for periodontitis	0
Total no. permanent sockets observable for periapical cavity	22
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	6
Total no. deciduous teeth with caries	0
Caries severity	Medium / Small / Whole crown
Total no. permanent teeth with calculus	20
Total no. deciduous teeth with calculus	0
Calculus severity	Medium / Slight
No. permanent teeth observable for dental enamel hypoplasia	23
No. deciduous teeth observable for dental enamel hypoplasia	0
Total no. permanent teeth with dental enamel hypoplasia	2
Total no. deciduous teeth with dental enamel hypoplasia	0
Dental enamel hypoplasia max. age range (in years)	3.0 - 3.9
Total no. permanent sockets with periodontitis	2
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	Malalignment
Total no. supernumerary teeth/sockets present?	0

R maxilla

L maxilla



Legend

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

Non metrics

Non metrics - Cranial

	Unsided	Comments	
Metopism	Not recordable		
Highest nuchal line	Not recordable		
Ossicle at lambda	Not recordable		
Bregmatic bone	Not recordable		
	Right	Left	Comments
Lambdoid ossicle	Not recordable	Not recordable	
Coronal ossicle	Not recordable	Not recordable	
Ossicle at asterion	Not recordable	Not recordable	
Epipteric bone	Not recordable	Not recordable	
Parietal notch bone	Not recordable	Not recordable	
Fronto-temporal articulation	Not recordable	Not recordable	
	Unsided	Comments	
Palatine torus	Not recordable		
	Right	Left	Comments
Maxillary torus	Not recordable	Not recordable	
Mandibular torus	Not recordable	Not recordable	
Auditory torus	Not recordable	Not recordable	
Parietal foramen	Not recordable	Not recordable	
Accessory infraorbital foramen	Not recordable	Not recordable	
Absent zygomaticofacial foramen	Not recordable	Not recordable	
Supraorbital foramen (bridged notch)	Not recordable	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	0	0	
Pelvis/sacrum - accessory sacral facets	Not recordable	0	
Acetabular crease	Not recordable	Not recordable	
Femur - Allen's fossa	0	Not recordable	
Femur - Poirier's facet	0	Not recordable	
Femur - plaque	0	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	
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Metrics

Metrics - Cranial

Description of points used		Central (mm)	Is reconstructed	Comments		
Max cranial length GOL	Glabella to opisthocranion	-	☐			
Nasio-occipital length NOL	Nasion to opisthocranion	-	☐			
Cranial base length BNL	Basion to nasion	-	☐			
Basion-bregma height BBH	Basion to bregma	-	☐			
Max cranial breadth XCB	Euryon to euryon	-	☐			
Max frontal breadth XFB	Max breadth at coronal suture	-	☐			
Biauricular breadth AUB	Auriculare to auriculare	-	☐			
Biasterionic breadth ASB	Asterion to asterion	-	☐			
Basion to prosthion length BPL	Basion to prosthion	-	☐			
Upper facial height NPH	Nasion to prosthion	-	☐			
Description of points used		Right (mm)	Is reconstructed	Left (mm)	Is reconstructed	Comments
Nasal height NLH	Nasion to nasospinale	-	☐	-	☐	
Orbital height OBH	Height between upper + lower borders and perpendicular to line bisecting orbit	-	☐	-	☐	
Orbital breadth OBB	Dacryon to ectoconchion	-	☐	-	☐	
Description of points used		Central (mm)	Is reconstructed	Comments		
Bijugal breadth JUB	Jugulare to jugulare	-	☐			
Nasal breadth NLB	Alare to alare	-	☐			
Maxillo-alveolare breadth MAB	Ectomolare to ectomolare	-	☐			
Bimaxillary breadth ZMB	Zygomaxillare to zygomaxillare	-	☐			
Zygomaxillary subtense SSS	Subtense from subspinale to bimaxillary breadth	-	☐			
Bifrontal breadth/upper facial breadth FMB	Frontomolare anterior to frontomolare anterior	-	☐			
Nasion-frontal subtense NAS	Subtense from nasion to upper facial breadth	-	☐			
Biorbital breadth EKB	Ectoconchion to ectoconchion	-	☐			
Interorbital breadth DKB	Dacryon to dacryon	-	☐			
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	-	☐	-	☐	
Description of points used		Central (mm)	Is reconstructed	Comments		
Frontal chord FRC	Nasion to bregma	-	☐			
Nasion-bregma subtense FRS	Subtense from nasion to bregma	-	☐			
Parietal chord PAC	Bregma to lambda	-	☐			
Bregma-lambda subtense PAS	Subtense from bregma to lambda	-	☐			
Occipital chord OCC	Lambda to opisthion	-	☐			
Lambda-opisthion subtense OCS	Subtense from lambda to opisthion	-	☐			
Comments						
Cranial index = (max. cranial breadth x 100)/Max. cranial length	-					
Cranial index classification	-					
Dolichocranic (Narrow/long headed)	<75.0					
Mesocranic (Average/medium)	75.0 – 79.9					
Brachycranic (Broad/round headed)	80.0 – 84.9					
Hyperbrachycranic (Very broad headed)	>84.9					
Comments						
Comments						

Metrics - Post Cranial

	Right (mm)	Is reconstructed	Left (mm)	Is reconstructed	Comments
Mandible - min ramus breadth RB	-	☐	-	☐	
	Central (mm)	Is reconstructed	Comments		
Mandible - bicondylar breadth WI	-	☐			
Mandible - foramen mentale breadth ZZ	-	☐			
Mandible - bigonial breadth GoGo	-	☐			
Mandible - max. length ML	-	☐			
Atlas - max internal width	-	☐			
Sternum - max length body SL	-	☐			
Sternum - max length manubrium ML	-	☐			
Sacrum - max length SacL	-	☐			
Sacrum - max breadth SacB	-	☐			
	Right (mm)	Is reconstructed	Left (mm)	Is reconstructed	Comments
Clavicle - max length CiL1	-	☐	-	☐	
Scapula - glenoid cavity length GC1	-	☐	-	☐	
Scapula - glenoid cavity width GC2	-	☐	-	☐	
Humerus - max length HuL1	-	☐	-	☐	
Humerus - vertical diameter of head HuD5	-	☐	-	☐	
Humerus - minimum shaft circumference HC	-	☐	-	☐	
Radius - max length RaL1	-	☐	-	☐	
Radius - max diameter of head	-	☐	-	☐	
Ulna - max length UiL1	-	☐	-	☐	
Femur - max length FeL1	-	☐	-	☐	
Femur - oblique length FeL2	-	☐	-	☐	
Femur - ant-post subtroch diameter FeD1	-	☐	-	☐	
Femur - med-lat subtroch diameter FeD2	-	☐	-	☐	
Femur - ant-post midshaft diameter FeD3	-	☐	-	☐	
Femur -mediolateral midshaft diameter FeD4	-	☐	-	☐	
Femur - max diameter of head FeDs	50.80	☐	-	☐	
Femur - midshaft circumference C	-	☐	-	☐	
Femur - bicondylar width FeEI	-	☐	-	☐	
Tibia - length TiL1	-	☐	-	☐	
Tibia - max ant-post diameter at nutrient foramen TiD1	-	☐	-	☐	
Tibia - transverse (med-lat) diameter at nutrient foramen TiD2	-	☐	-	☐	
Tibia - circumference at nutrient foramen C	-	☐	-	☐	
Fibula - max length FiL1	-	☐	-	☐	
Comments					
Femur - platymeric index = (FeD1 x 100)/FeD2 (N.B. L used in preference over R)	-				
Platymeric index classification	-				
Platymeric (broad or flat, from front to back)	<84.9				
Eurymeric	85.0 - 99.9				
Stenomeric (usually only found in pathological cases)	>100.0				
Tibia - platycnemic index = (TiD2 x100)/TiD1 (N.B. L used in preference over R)	-				
Platycnemic index classification	-				

Hyperplatycnemic	<54.9	
Platycnemic	55.0 - 62.9	
Mesocnemic	63.0 - 69.9	
Eurycnemic	>70.0	

Regression equations and standard error taken from Trotter 1970

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

	Sex	Ancestry	Bone used	Bone side used	Stature (cm)	Error (cm)	Comments
Stature calculation	?	-	-	-	-	-	
Save preferred bone?	<input type="checkbox"/>						
			Stature (cm)	Comments			
Adjusted stature	-						
Comments							
Comments							

Pathology

Pathology - Congenital/developmental

	Presence	Details	Comments
Congenital/developmental condition/s present?	-		
Syndrome indicated?	-	-	
Skull affected?	-		
If affected:			
Craniosynostosis	-	-	
Cleft palate	-	-	
Auditory meatus defect	-	-	
Hydrocephalus	-	-	
Enlarged parietal foramina	-	-	
Other skull abnormality	-	-	
Ribs affected?	-		
If affected:			
Bifid rib	-	-	
Flared rib	-	-	
Conjoined/bridged ribs (not secondary to trauma)	-	-	
Supernumerary rib	-	-	
(note whether cervical or lumbar, and if underdeveloped etc.)			
Other rib abnormality	-	-	
Spine affected?	-		
If affected:			
Vertebral border shifting			
Occipitalisation	-	-	
Lumbarisation	-	-	
Sacralisation	-	-	
Sacral-caudal (coccyx) shifting	-	-	
Other vertebral border shifting abnormality	-	-	
Supernumerary/congenital absence of vertebral segments			
Additional CV (i.e. not resulting from border shifting)	-	-	
Additional TV (i.e. not resulting from border shifting)	-	-	
Additional LV (i.e. not resulting from border shifting)	-	-	
Additional SV (i.e. not resulting from border shifting)	-	-	
Additional coccygeal segment	-	-	
Absence of vertebral segment (i.e. not resulting from border shifting)	-	-	
Other supernumerary/absent vertebral segment	-	-	
Spinal curvature disorder (congenital only, not secondary to trauma)			
Scoliosis	-	-	
Kyphosis	-	-	
Lordosis	-	-	
Other spinal curvature abnormality	-	-	
Other spinal abnormalities			
Spina bifida atlanta (cleft neural arch of atlas)	-	-	
Spina bifida occulta (cleft neural arch of sacrum) (inc. any cleft from top, but if cleft from bottom, must be more than just SV4-5 - state cleft location in comments)	-	-	
Bifid/cleft neural arch (any vertebra)	-	-	
Spondylolysis	-	-	
Butterfly vertebra	-	-	
Klippel-Feil syndrome (congenital	-	-	

fusion of CV)			
Congenital fusion of other vertebrae	-	-	
Other spinal abnormality	-	-	
Extra-spinal bones affected?	-		
If affected:			
Os acromiale right	Not recordable	-	
Os acromiale left	Not recordable	-	
Symphalangism	-	-	
Polydactyly	-	-	
Absent MC3 styloid/s (additional nodule/lump on capitate?)	-	-	
Carpal coalition	-	-	
Tarsal coalition	-	-	
Congenital hip dysplasia/subluxation/dislocation	-	-	
Other extra-spinal bone abnormality	-	-	
Comments			
Overall comments			

Pathology - Non-specific inflammation/infection

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

Pathology - Specific Infection

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

Pathology - Metabolic

Presence	Details	Comments

Evidence for metabolic disease observed?	-		
If present:			
Cribra orbitalia (anaemia) (Stuart-Macadam 1991) Right	0		
Cribra orbitalia (anaemia) (Stuart-Macadam 1991) Left	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	Comments		
Ankylosis of vertebrae (due to joint disease)	-	-			
Spondylolisthesis (e.g. secondary to spondylolysis)	-	-			
Comments					
Overall comments					

Pathology - Extra-spinal joint disease

Presence		Comments				
Extra-spinal joint disease observed?	1					
Extra-spinal osteoarthritis observed (in any joint)?	-					
If present:						
Joint	Right	R - OA present? (after Rogers + Waldron 1995, 44)	Left	L - OA present? (after Rogers + Waldron 1995, 44)	OA secondary to trauma	Comments
TMJ	Not recordable	-	Not recordable	-	-	
Acromio-clavicular	Not recordable	-	Not recordable	-	-	
Sterno-clavicular	Not recordable	-	Not recordable	-	-	
Gleno-humeral	-	-	Not recordable	-	-	
Elbow	-	-	Not recordable	-	-	
Wrist	-	-	-	-	-	

Wrist						
Hand	-	-	-	-	-	
Hip	OP	-	-	-	-	OP R femoral head
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
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:			
Cribra femoralis Right	Not recordable		
Cribra femoralis Left	Not recordable		
Hyperostosis frontalis interna (HFI)	-	-	
Elongated stylohyoid process (may cause Eagle syndrome)	-	-	
Paget's disease	-	-	
Bone former (not rel. to another pathology e.g. DISH)	-	-	
Osteochondritis non-dissecans	-	-	
Plastic Deformation (e.g. of ribs due to corsetry)	-	-	
Other (e.g. calcified soft tissue)	-	-	
Comments			
Overall comments			

Pathology - Undiagnosed Conditions

Undiagnosed pathology observed?		1					
No. of undiagnosed conditions observed in this skeleton		1					
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
R Carpal	1					No	Small, round, well circumscribed lesion with sharp margins on the lateral side of the right lunate. Measures 3.1mm in diameter, approx. 4mm deep. Inside surface of the lesion is smooth. Likely a small space occupying lesion e.g. joint cyst.
Overall comments							