

## Summary of Osteological Results from Field 163

Sk No	C (%)	SP	F	Age	Age Group	Sex	Stature (cm)	Dental Pathology	Pathology
6	75	4	Severe	36+	OMA/MA	Probable Male	-	DEH, Calculus, Caries, Four abscesses	Osteoarthritis in right knee, DDD, DJD, cribra orbitalia in right orbit, Nasal guttering - possible African
7	90	3	Slight	26-35	YMA	Male	164.0 +/- 3.94cm	DEH, Calculus, some enamel chips	Osteoarthritis in left proximal femur; hypervascularity on ectocranial surface, orbital ridge and rims, cortical defect in right first phalanx Nasal guttering - possible African
8	5	4	Heavy	18+	Adult	-	-	DEH, Calculus	-
10	35	4	Severe	18+	Adult	-	-	Calculus, AMTL	-
12	<5	-	-	18+	Adult	-	-	Calculus	-
15	95	3	Moderate	18-25	YA	Male	-	DEH, Calculus	Lamellar bone on distal right radius, lamellar bone on visceral surface of six ribs (two right, four left), areas of transitional new bone on all surfaces of both tibiae, both distal fibulae affected by lamellar bone, cribra orbitalia in left orbit, cranial border shift of lumbar-thoracic border with lumbarisation of T12, Schmorl's nodes on T9-T11, ; hypervascularity on ectocranial surface
16	90	3	Moderate	46+	MA	Female	161.5 +/- 4.45cm	DEH, Calculus, Caries, Periodontal disease	Bilateral coxa vara, femoral heads and acetabular lunate surfaces porotic, with contour changes; osteoarthritis in the left proximal humerus, both radii, right proximal and distal femur, right patella, right proximal and distal tibia, in both talii and cuboids, and in three ribs; DJD in both radii; bilateral cribra orbitalia; concretion

									on right proximal femur; hypervascularity on ectocranial surface of skull
17	90	4	Moderate	26-35	YMA	Male	161.37 +/- 3.27	DEH, Calculus, Caries	Small islands of dense bone on inferior left endocranial occipital surface; complete fusion of sternum to manubrium, lytic lesion on rim of superior left acetabulum, spondylolysis of L5, cranial shift of lumbar-thoracic border with lumbarisation of T12, nail-sized hole in superior body of L2 and L3, Schmorl's nodes; lamellar bone on right tibia; slight torsion of right femur; hypervascularity on ectocranial surface of skull, S1 and S2 bifid; bilateral sinusitis and cribra orbitalia
18	20	3	Heavy	18+	Adult	-	-	Calculus, DEH, Caries, periodontal disease	Osteochondritis dissecans on right distal tibia, ossification of interosseous membrane of right distal fibula, cribra orbitalia in left orbit
19	<5	4	Severe	9-11	OJ	-	-	Calculus, DEH	-
22	90	2	Moderate	26-35	YMA	Male	165.9 +/- 3.27	Calculus, DEH, Caries, periodontal disease, abscess (external)	Spondylolysis of L5, cleft neural arch in C1, LI <sup>2</sup> is not present, LC in its place, Schmorl's nodes on T9+T11, hypervascularity on ectocranial surface, bilateral cribra orbitalia,
23a	<5	4	Moderate	18+	Adult	-	-	Calculus, Caries	-
23b	<5	4	Severe	18+	Adult	-	-	-	-
24	<5	-	-	18-25	YA	-	-	DEH	-
26	5	4	Heavy	18+	Adult	Probable Male	-	Calculus, Caries	Hypervascularity on supraorbital ridge
27	<5	3	Severe	18+	Adult	-	-	-	-
28	5	4	Severe	18+	Adult	-	-	-	Cribra orbitalia
31	<5	4	Severe	18+	Adult	-	-	-	-
34	<5	5+	Severe	18+	Adult	-	-	-	-

35	<5	3	Severe	18+	Adult	-	-	-	-
36	<5	-	-	18+	Adult	-	-	-	-
41	<5	4	Heavy	18+	Adult	-	-	-	-
44	10	3	Severe	18+	Adult	-	-	-	-
46	<5	-	-	-	Undetermined	-	-	DEH	-
50	<5	-	-	18+	Adult	-	-	DEH	-
51	<5	4	Severe	18+	Adult	-	-	DEH	Hypervascularity on ectocranial occipital fragment
55	<5	-	-	-	Undetermined	-	-	-	-
56	<5	5	Severe	18+	Adult	-	-	-	-
57	60	5	Heavy	18-35	YA/YMA	Probable Male	-	Calculus, Caries, periodontal disease	Lamellar striae on medial mid-shaft aspects of both tibiae; Small, sharp-spiculed excavation on medial surface of left mandibular angle; enthesal changes on left humerus
59	<5	4	Heavy	18+	Adult	-	-	-	-
60	<5	-	-	5-10	Juvenile	-	-	DEH	-
61	30	4	Severe	18+	Adult	-	-	Calculus	-
62	15	4	Heavy	18+	Adult	Probable Male	-	Caries	-
64A	<5	-	-	4+	Non-Adult	-	-	-	-
64B	<5	-	-	18+	Adult	-	-	-	-
67	5	4	Moderate	18+	Adult	-	-	Calculus, DEH	-
68	<5	5+	Severe	18+	Adult	-	-	Calculus	-
69	<5	-	Moderate	18-25	YA	-	-	DEH, Calculus	-
71	<5	3	Severe	18+	Adult	-	-	Calculus, DEH	-
72	<5	5	Severe	18+	Adult	-	-	-	-
73	15	3	Heavy	26-35	YMA	Probable Female	-	Calculus, DEH	-
77	85	3	Moderate	14	AO	Probable Female	-	Calculus, DEH	Spina bifida (likely complete), cranial shift of thoracic-lumbar border, cribra orbitalia, sinusitis, lamellar striae on femoral shafts bilaterally
78	70	3	Severe	26-35	YMA	Probable Female	-	Calculus, Caries, DEH	Schmorl's nodes, oblique fracture of third left metacarpal, possible fracture of posterior sacral spine between S3/S4 - DD: congenital condition
81	<5	-	-	6-12	OJ	-	-	-	-
82	<5	5	Severe	14	AO	-	-	Calculus, DEH	-
86	90	3	Moderate	26-35	YMA	Probable Male	167.3 +/- 3.27	Calculus, Caries, Periodontal disease	Cribra orbitalia; lamellar striae on both anterior femora; woven bone on medial surface of left

									tibia (proximal midshaft); left foot exhibits trauma/inflammation on intermediate cuneiform, MT", medial cuneiform; lamellar striae on both fibulae shafts
87	85	3	Moderate	46+	MA	Probable Male	-	AMTL, Calculus, Caries, DEH, at least five abscesses	Cribriform orbitalia; exostosis or granuloma in left sinus; circular patch of vascularised bone in left nasal floor; Schmorl's nodes; fractured left tibia shaft and proximal fibula shaft; possible fusion of left calcaneus and talus
88	<5	4	Severe	4+	Non-Adult	-	-	DEH	-
89	<5	-	-	4+	Non-Adult	-	-	-	-
92a	15	4	Heavy	18+	Adult	-	-	AMTL, Calculus	New bone on superior ectocranial nuchal crest; hypervascularity on superior occipital bone
92b	20	3	Heavy	18+	Adult	-	-	-	Lamellar striae on femoral shafts bilaterally
93	<5	4	Heavy	18+	Adult	-	-	Calculus	-
96A	<5	5+	Severe	18-25	YA	-	-	Calculus	-
99	60	5	Moderate	26-35	YMA	Probable Male	-	Calculus, DEH	Cribriform orbitalia, sinusitis, healed lamellar bone on both tibiae and femora, hypervascular orbital ridges, lamellar bone on orbital rims, hypervascularity on ectocranial surface
102	10	4	Moderate	c 3 years	YJ	-	-	Calculus, Carabelli's cusp on first permanent maxillary molars bilaterally	-
103	<5	-	-	3+	Non-Adult	-	-	-	-
104	5	4	Heavy	18-25	YA	-	-	Calculus	-
106	<5	3	Moderate	18+	Adult	-	-	-	Cortical defect on LMT1
107	<5	4	Heavy	18+	Adult	-	-	-	-
108	<5	-	-	3-7	YJ	-	-	Calculus	-
115A	<5	-	-	18+	Adult	-	-	Calculus	-
119	35	5	Heavy	26-35	YMA	Female	-	AMTL, Calculus,	Lamellar striae on right tibia fragments,

								Caries, DEH, abscess	shaft of left femur (well integrated into cortical bone)
120	50	5	Moderate	26-35	YMA	Male	-	Caries	Hypervascularity on ectocranial skull fragments
121	<5	-	-	1-6	YJ	-	-	-	-
123	95	2	Slight	36-45	OMA	Male	161.8 +/- 3.27	Calculus, AMTL, periodontal disease, abscess	Eburnation on left mandibular condyle, both proximal femora, distal right femur and patella; cyst on right lunate articulation with triquetral, mirrored in triquetral – same in left side, DD: non-osseous union; hypervascularity on supraorbital ridge, small spikey bony ridge on superior orbital rim; porosity on manubriosternal juncture; Schmorl's nodes; DJD; bilateral cribra orbitalia; sacrum contains 6 fused vertebrae, extra sacral vert
124	95	2	Slight	15-16	AO	-	-	Calculus, DEH, periodontal disease	Woven bone on the medial side of the left mandibular ramus, anteriorly of the lingula; lamellar woven bone present on the articular eminence of the temporal bone bilaterally; retention of metopic suture; increased porosity of two left rib ends; lamellar striae on both tibial shafts; fine, sharp lamellar bone on proximolateral aspect of right and left femora, small patch on anterior mid-shaft of right ulna
125	15	4	Heavy	18+	Adult	-	-	AMTL, Calculus, Caries	DJD in right ulna; osteophytes around lumbar apophyseal facets and occipital condyles
130	15	5	Heavy	18+	Adult	-	-	Calculus, DEH	Lamellar bone on inferior anterior right mandibular rim
133	35	3	Slight	3-4	YJ	-	-	-	Woven bone around deciduous right first and second molar sockets of maxilla;

									Porous new bone on inferior surface of right orbit; Cribriform orbitalia; Discrepancy between long bone age and dental age
135b	40	3	Heavy	26-35	YMA	I	-	Calculus, DEH	Lamellar striae bilaterally on tibial shaft fragments
135c, no SK#	<5	-	-	6+	OJ	-	-	DEH	-
136	<5	4	Heavy	18+	Adult	-	-	Calculus	-
137	<5	4	Heavy	18+	Adult	-	-	-	-
139	<5	-	-	18+	Adult	-	-	Calculus, DEH	Likely younger adult due to limited wear on dentition
140	90	3	Heavy	26-35	YMA	Male	160.7 +/- 3.27	Calculus, DEH, Caries	Exostosis in left sinus; small hole in floor of right sinus – likely developmental; Woven bone on anterior distal shaft of right fibula – site of interosseous membrane with tibia; woven bone on distal right tibia – site of interosseous ligament; Eburnation on superior aspect of right femoral head; Woven bone on left calcaneus at subtalar sulcus, also on right side; woven bone on visceral surface of central rib fragment; irregular surface palate suggests inflammation; Schmorl's nodes on 8 thoracic and 3 lumbar vertebrae; bilateral cribriform orbitalia; Square palate, but no distinct nasal guttering – African considered
142	5	3	Heavy	18+	Adult	-	-	-	-
143	<5	3	Heavy	18+	Adult	-	-	-	-
144	60	4	Heavy	26-35	YMA	Probable Female	161.1 +/- 3.72	Calculus, periodontal disease	C2 has developmental misalignment of left inferior apophyseal facet; mild coxa vara, bilaterally; inconsistent auricular surfaces – different ages, possible sacroiliitis; lamellar bone on lateral

									aspect of left tibia; developmental notch on lateral superior aspect of right patella; hypervascularity on occipital and parietal bones
149A	<5	-	-	-	Undetermined	-	-	-	-
153	10	4	Heavy	5-6	YJ	-	-	Calculus, DEH	-
154	25	3	Moderate	26-35	YMA	Probable Male	-	Calculus, Caries, periodontal disease, likely occupation-related wear facet	Hypervascularity on ectocranial skull vault frags; bilateral cribra orbitalia
155	<5	-	-	18+	Adult	-	-	-	-
156	40	4	Severe	26-35	YMA	Probable Male	-	Calculus, DEH, periodontal disease	Noticeably small and rugged left mastoid process- torticollis?; noticeably square mandible; Lamellar striae on left tibial midshaft, medial and lateral aspects; spurs (osteophyte spikes on posterior calcanei)
158	60	3	Heavy	18+	Adult	Probable Female	-	AMTL, Calculus, Caries	Hypervascularity on superior aspect of ectocranial surface of occipital bone; small spicule of protruding bone on endocranial surface of right inferior occipital bone; smooth but slightly pitted depression in left mandibular condyle surface; cribra orbitalia in right orbit; lamellar striae on both tibial shafts
160	<5	4	Severe	18-25/18+	YA/Adult	-	-	DEH	-
162	<5	-	-	4+	Non-Adult	-	-	-	-
165b	5	3	Severe	18-25/18+	YA/Adult	-	-	Calculus, Caries, DEH	-
No SK #/ sample 12804 AA / BN 171	<5	-		18+	Adult	-	-	Calculus	Dentition was matched with SK12803/ BN254
173	20	3	Heavy	26-35	YMA	Probable Male	-	Calculus, DEH	Lamellar striae on fragments of both femoral shafts
175	85	3	Moderate	36+	OMA/MA	Probable Female	-	AMTL, Calculus, periodontal	OA and DJD in cervical spine; eburnation in ulna;

								disease	porosity on left mandibular condyle; exaggerated meningeal impressions in parietal bones; sinusitis
No SK# / sample 12976 / BN 177	<5	-	-	4-6	YJ	-	-	Calculus	-
178 a	20	5	Heavy	36+	OMA/MA	Probable Female	-	AMTL, Calculus, Caries, DEH, periodontal disease	OA and DJC in cervical spine; eburnation on right proximal femur; lamellar striae on bilateral humeral shaft fragments, on right tibia shaft fragment and on anterior surfaces of femora;
178 b	<10	5	Heavy	18+	Adult	-	-	Calculus	-
181	5	3	Heavy	4-5	YJ	-	-	DEH, supernumerary maxillary RC	Small, circular pits on endocranial surface of cranium, varying penetration – only some frags, likely taphonomic
182	<5	4	Heavy	18+	Adult	-	-	-	-
183	<5	5	Heavy	-	Undetermined	-	-	-	-
184A	5	3	Heavy	4	YJ	-	-	-	-
185	30	4	Severe	18-35	YA/YMA	Probable Male	-	AMTL, Calculus, Caries, abscess, periodontal disease	Hypervascularity on orbital ridges, lateral rims and right zygomatic bone; lamellar striae on right tibial, and left and right femoral fragments
186	75	4	Heavy	46+	MA	Female	-	AMTL, Calculus, DEH	OA in lumbar spine, right knee, S1, left ankle; cribra orbitalia
187	80	3	Heavy	18+	Adult	-	-	Calculus, Caries, DEH, periodontal disease	Woven bone on left and right posterior shafts of femora
193	<5	-	-	-	Non-Adult	-	-	-	-
194A	70	3	Heavy	3-4	YJ	-	-	Caries	Sinusitis in left sinus; cribra orbitalia in right orbit; pitting on superior intracranial surface of left greater wing of sphenoid; pitting on the right posterior surface of maxilla and orbital aspect of right zygomatic bone



197a	95	3	Moderate	36+	OMA/MA	Male	171.17 +/- 4.05	AMTL, Calculus, Caries, DEH	DISH DD:AS; sacroiliitis with unilateral (right) fusion; cribra orbitalia; hypervascular orbital ridges; ossification of cartilage between manubrium and first rib; porosity and osteophytes at sternomanubrial joint; possible residual rickets DD: osteomalacia in distal tibiae
197b	20	3	Moderate	18+	Adult	-	-	-	Non-active lamellar bone on lateral of tibiae
198	60	3	Moderate	26-35	YMA	Probable Male	-	AMTL, Calculus, Caries, DEH, periodontal disease, abscess	Sinusitis; spondylolysis in L5; cranial border shift of lumbar thoracic border; hypervascular orbital ridges; muscle excavation on anteromedial humeral shaft left; Schmorl's nodes in thoracic and lumbar spine
199	10	5	Moderate	3-4	YJ	-	-	DEH on permanent dentition	-
201	30	3	Moderate	3	YJ	-	-	Calculus, DEH	Torsion and exaggerated bowing of right femur DD: rickets; exaggerated lip at lateral proximal side of right tibia - likely rickets;
202	30	5	Moderate	18+	Adult	-	-	Calculus, DEH	Layer of vascularised new bone along posterior endocranial sagittal suture
205	<10	4	Moderate	4	YJ	-	-	DEH	Cribra orbitalia in left orbit
206	<5	4	Severe	-	Undetermined	-	-	-	Single long-bone cortical fragment likely belongs to SK12833/BN 205
208	50	2	Moderate	36-45	OMA	Male	170.9 +/- 4.05	AMTL, Calculus, DEH, Periodontal disease	Sinusitis; Cribra Orbitalia; hypervascularity on orbital rims and cranial vault; macroporosity on right proximal humerus; OA at proximal left humerus; hypervascular new bone in palate; cyst in

									right acetabular rim; pitting in palate
209	95	3	Slight	26-35	YMA	Female	156.9 +/- 3.55	Calculus, Caries, abscess, periodontal disease	Woven bone on anterior distal radius shaft, on vertebral ends of right ribs, on right and left tibiae shafts; DJD on all rib tubercles; manubrium fused to sacrum; OA in cervical spine and right ribs; cribra orbitalia; sinusitis
213	90	4	Moderate	36-45	OMA	Female	153.2 +/- 3.66	Calculus, Caries, DEH, periodontal disease	Left mandibular third molar still erupting/impacted; ossification on both medial radii and lateral ulnae; possible sacroiliitis; ossification on intertrochanteric line on both femora; lamellar striae on femoral shafts
215	<5	-	-	4+	Non-Adult	-	-	-	-
216	<5	3	Heavy	18+	Adult	-	-	Calculus	-
219	5	5	Severe	3-4	YJ	-	-	-	-
222	<5	5	Moderate	1-12 mths	YJ	-	-	-	-
229a	20	3	Moderate	36-40 wks	Neonate	-	-	-	Woven bone layers and grooves on endocranial parietals; focus of woven bone on ectocranial frontal bone; woven bone on long bone shafts
229b	35	5*	Heavy	13-14	AO	-	-	-	-
231	50	4	Moderate	3-4	YJ	-	-	DEH on permanent dentition	Possible rickets; woven bone on visceral surface of rib fragment
234	60	3	Moderate	46+	MA	Male	162.8 +/- 3.27	-	DJD in spine; OA in knee and hip; Schmorl's nodes; marginal osteophytes along both acromiale
235	80	3	Moderate	3.5-4.5 yrs	YJ	-	-	-	Layer of woven bone in both orbits - possible scurvy; woven bone around right mandibular lingula; woven bone on inferior surface of pars basilaris; porous new bone on left temporal; lamellar striae on ribs
237a	35	4	Moderate	36+	OMA/MA	Probable Female	-	Claculus, DEH	-

237b	95	3	Moderate	26-35	YMA	Female	155.6 +/- 3.72	Calculus, DEH	Cribrra orbitalia; sinusitis; OA in first left rib head, left rib facet on T1; OA on right proximal femur; lamellar striae on right tibia and right fibula
238	10	5	Heavy	18+	Adult	-	-	-	-
239	95	3	Moderate	36-45	OMA	Female	155.2 +/- 3.95	AMTL, Calculus, Caries, abscess	Hypervascularity on superior occipital bone; muscle excavation at subscapularis muscles bilaterally; OA on left first rib head
240	5	5	Heavy	4-5	YJ	-	-	DEH on permanent dentition	-
242	5	2	Moderate	18+	Adult	-	-	AMTL, Calculus, DEH, abscess, periodontal disease	-
244	25	3	Moderate	26-35	YMA	Probable Male	-	Calculus, periodontal disease	Lamellar bone on articular eminence of right temporal bone, rough and pitted bone at interosseous membrane attachment site of distal right fibula – mirrored in right distal tibia
254	5	5	Heavy	18- 25/18+	YA/Adult	-	-	Calculus, DEH	-
255	<5	5	Severe	18+	Adult	-	-	Peg tooth present	-

**Key:** SP = Surface preservation: grades 0 (excellent), 1 (very good), 2 (good), 3 (moderate), 4 (poor), 5 (very poor), 5+ (extremely poor) after McKinley (2004a); C = Completeness; F = Fragmentation: min (minimal), sli (slight), mod (moderate), sev (severe), ext (extreme)

Non-adult age categories: f (foetus, <38 weeks *in utero*), p (perinate, c. birth), n (neonate, 0-1m), i (infant, 1-12m), j (juvenile, 1-12y), ad (adolescent 13-17y)

Adult age categories: ya (young adult, 18-25y), yma (young middle adult, 26-35y), oma (old middle adult, 36-45y), ma (mature adult, 46+y), a (adult, 18+y)

R – right; L – left; OA = Osteoarthritis; DJC = Degenerative Joint Changes; DEH – dental enamel hypoplasia