

S.Curtis-Summers, University of Liverpool. Portmahomack human skeletal assessment comparisons.

SK <sup>1</sup> NO.	FEATURE	CONTEXT	PATHOLOGY <sup>2</sup> (S.Curtis-Summers, 2014)	PATHOLOGY (S.King, 2000, 2009)
1	20	1079	<b>Periostitis (Tibiae &amp; Fibulae), Trauma(?): R.Fib</b> , OA.	OA
2	56	1163	<b>Calculus, Cribra Orbitalia, Rickets(?)</b>	
3	24	1084		
4	39	1122		
5	25	1085	OA: Vert, Shoulders, 1st MTs, Rib fracture, Dental	OA, SJD, DENTAL DISEASE, RIB FRACTURE
6	22	1081	Rickets, <b>Scurvy(?)</b>	Rickets.
7	21	1077		
8	34	1117	<b>Osgood-Schlatter's disease</b>	OA
9	45	1139		
10	40	1124		
11	36	1098		
12	35	1119	<b>Scurvy</b>	
13	39	1138	<b>Scurvy</b>	
14	27	1101		
15	41	1128		
16	28	1103		
17	7	1127	Dental disease, Mandibular tori	DENTAL DISEASE
18	33	1114	<b>DISH(?)</b>	
19	54	1158		
20	49	1145		
21	75	1196	<b>Cribra Orbitalia</b>	
22	50	1148	Infection (Ribs)	Infection (Ribs)
23	7	1108	OA, SJD, Dental disease, <b>Rib Periostitis</b>	OA, SJD, DENTAL DISEASE
24	43	1133		
25	26	1099	SJD, DJD, Caries, Calculus, <b>Sacralisation</b>	SJD, DENTAL DISEASE
26	55	1162	<b>Scurvy</b>	
27	38	1120		
28	44	1135	<b>Enthesal changes</b>	OA (?)
29	77	1213		
30	76	1209	OA (ACC; R.StC & S.Iliac joints). Entheses (R.CC lig). Dental. <b>Craniosynostosis. Non- union of C1 foramina.</b>	OA, SJD, DENTAL DISEASE
31	42	1130	Dental. <b>OA?(R.ACC joint); C1-S5 caudal shift</b>	DENTAL DISEASE
32	30	1106	<b>No evidence of OA</b>	OA
33	79	1224	Scurvy	Scurvy
34	51	1152	OA (Vert & R.Shoulder), SJD, <b>Entheses, Schmorls nodes.</b>	OA

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35	82	1225		
36	76	1214	OA, DJD, SJD, Dental, <b>Cranial blade wounds.</b> <sup>3</sup>	OA, DJD, SJD, Dental.
37	32	1102	DEH, Calculus, Caries	DENTAL DISEASE
38	99	1272	Neoplasm, SJD, Dental, <b>Periostitis</b>	SJD, DENTAL DISEASE, ?NEOPLASM
39	96	1265	Fracture: R.Proximal Fibula	FRACTURE
40	120	1304	OA, OP, Dental.	OA, SJD, DENTAL DISEASE
41	84	1233	OA (?), Dental disease, <b>Bifid neural arch, Nasal concha bullosa, Kyphosis(?)</b>	OA, DENTAL DISEASE
42	108	1288	L.Rib Fracture, OA, SJD, DJD, Spina bifida occulta, Dental.	OA, SJD, DENTAL DISEASE, FRACTURE, SPINA BIFIDA OCCULTA
43	83	1228	SJD, Dental disease	SJD, DENTAL DISEASE
44	94	1261	SJD, Dental disease	SJD, DENTAL DISEASE
45	107	1285	SJD, Dental disease	SJD, DENTAL DISEASE
46	91	1254		
47	98	1271	Dental, <b>Entheses</b>	SJD (?), DENTAL DISEASE
48	89	1250	<b>Entheses: L4, Cancanei</b>	
49	90	1252		
50	101	1274		
51	102	1276	Fracture(R.5th MT), OA, DJD	OA, SJD, FRACTURE
52	109	1292	<b>Periostitis (R.Fibula)</b>	
53	106	1282	SN, Calculus, caries, abscess, <b>Mandibular tori.</b>	SJD, DENTAL DISEASE
54	103	1278	<b>Pulmonary infection (TB?)</b> Calculus, DEH	DENTAL DISEASE
55	8	1048	Caries, Calculus	DENTAL DISEASE
56	8	1015	Dental disease	DENTAL DISEASE
57	8	1031		
58	79	1220		
59	8	1025	<b>Calculus</b>	
60	14	1045		
61	8	1042	<b>Metabolic (?)</b>	
62	5	1016		
63	2	1011	Rickets (femora)	RICKETS
64	8	1020	OA, DJD, L.FIB FRACTURE, <b>DISH</b>	OA, DJD, L.FIB FRACTURE
65	16	1036	<b>Blade wound, Cribra orbitalia</b>	
66	9	1021	OA, SJD, Dental disease, <b>Sinusitis, Nasal Concha Bullosa, Rib Periostitis.</b>	OA, SJD, DENTAL DISEASE
67	7	1019	SJD (Schmorl's nodes)	SJD
68	7	1019X2	Cribra Orbitalia	Cribra Orbitalia
69	10	1022	DJD, OA, <b>Entheses.</b>	OA, SJD, DENTAL DISEASE (?)
70	15	1035		
71	18	1038		
72	46	1099		

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73	11	1027	<b>Scurvy</b>	
74	25	1063	L.3rd MC Fracture, <b>SJD(?)</b>	FRACTURE
75	6	1030	OA: L&R knee, R.1st MC-P & 3rd prox Interphalangeal joint	OA
76	26	1067	Periodontitis, caries, calculus, <b>Oroantral fistula(?)</b>	DENTAL DISEASE
77	6	1017	SJD, DJD (R.shoulder)	SJD
78	19	1041		
79	51	1122	<b>NOW MATCHED WITH SK.114</b>	
80	18	1039	OA, <b>Schmorl's nodes, L.Rib fractures.</b>	OA.
81	43	1100	<b>Periostitis (L.Fibula)</b>	
82	38	1101	<b>SJD? (OP on Lumbar frag)</b>	
83	42	1093	<b>SN(?): Lower T-Vert</b>	
84	39	1102	<b>Sacralisation, Entheses, SJD/DJD, Trauma? (L.Patella)</b>	
85	36	1110	Calculus, <b>Tooth agenesis, L5 sacralisation</b>	DENTAL DISEASE
86	60	1144	Cribriform Orbitalia, <b>Parietal Porosity (Scurvy?)</b>	Cribriform Orbitalia.
88	50	1117	OA/OP, SN, Dental.	SJD, DENTAL DISEASE
89	59	1142	<b>Congenital fusion of T3-4</b>	
90	45	1106	OA, SN, DJD, Dental, <b>Paracondylar process.</b>	OA, SN, DJD, Dental.
91	62	1147	Dental disease	DENTAL DISEASE
92	66	1159	INFECTION	INFECTION
93	28	1115	OA, SJD, Neoplasm/Infection. <sup>4</sup>	OA, SJD, DENTAL DISEASE, INFECTION, ?NEOPLASM.
94	94	1048		
95	70	1169	OA, SJD, DENTAL DISEASE, VERT FRACTURE, OSTEOPOROSIS.	OA, SJD, DENTAL DISEASE, FRACTURE, OSTEOPOROSIS
96	57	1135	<b>Entheses: Achilles Heel</b>	
97	48	1107	<b>Scheuermanns-Schmorls disease; thoracolumbar border shifting.</b>	KIDNEY STONES
98	49	1113	OA, SJD	OA, SJD
99	76	1183	OA	OA
100	64	1155	SJD <sup>5</sup>	SJD, DENTAL DISEASE
101	47	1105	OA, SJD	OA, SJD
102	31	1123	OA, SJD	OA, SJD
103	32	1119	Dental Disease, Bifid Rib, <b>Congenital Abnormalities (R.humerus &amp; Lunate)</b>	DENTAL DISEASE, BIFID RIB.
104	37	1120	Non-specific infection: L.Tibia	INFECTION
105	56	1131	OA, SJD/DJD, Fracture (R.Fibula), <b>Infection (L.Femur)</b>	OA, SJD, FRACTURE
106	54	1138	OA, SJD	OA, SJD
107	1	1010	Infection	INFECTION

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108	75	1180	OA, SJD, DENTAL DISEASE, <b>Entheses, Infection (Tibiae, Fibulae). NOT SYPHILIS!</b>	OA, SJD, DENTAL DISEASE.
109	77	1189	Oro-A Fistulas, caries, <b>L&amp;R 3rd MC fracture, Entheses</b>	SJD, DENTAL DISEASE
110	79	1193	Dental, <b>Cribra orbitalia</b> , Infection: <b>TB? NOT SYPHILIS!</b>	DENTAL, INFECTION,
111	86	1209	SJD, Dental disease	SJD, DENTAL DISEASE
112	69	1174	SJD, Dental disease	SJD, DENTAL DISEASE
113	84	1206	OA, SJD, Dental , Fracture (misc), Blade wound, <b>Osteomalacia (R.Fib), Os acromiale, O.dissecans(?)</b>	OA, SJD, DENTAL , FRACTURE, Blade wound.
114	82	1200	OA, <b>N-S Infection, Entheses, Trauma (Patella)</b>	OA
115	83	1202	OA. <b>SJD? DJD (Hips,knees)</b>	OA.
116	96	1228	OA (verts, L.shoulder),Calculus.	OA, SJD, DENTAL DISEASE
117	93	1222	Blade wounds (L.cranium, L & R Femora), SN, <b>R.3rd MC Styloid fracture,</b> <sup>6</sup>	SJD, DENTAL DISEASE, BLADE WOUND
118	102	1242	<b>Fracture: R.5th MT Tuberosity</b>	
119	81	1198	Granuloma,Calculus, <b>Entheses</b>	DENTAL DISEASE
120	58	1140	Schmorls Nodes.	SJD
121	110	1259	Compression (L1), Spondylolysis (L5), SN, DJD, <b>Os Acromiale.</b>	OA, SJD, FRACTURE, SPONDYLOLYSIS
122	112	1263	OA, SJD, Dental, Fracture (R.Fib, L.Rad) <b>Compression ( T7)</b>	OA, SJD, Dental, Fracture.
123	100	1273	Fracture (R.5th Prox phalanx), OA (Hip, L4-5)	OA, SJD, FRACTURE
124	109	1256	<b>Scurvy (?) C1 to Occipital fusion, SN.</b>	DENTAL DISEASE (?)
125	113	1265	Fracture (L.Tib/Fib), OA (L.Hip, C.verts), Edentulous mandible	OA, SJD, DENTAL DISEASE, FRACTURE
126	97	1229	SJD, Dental (Abscesses, Calculus), <b>OA, SN, DJD</b>	SJD, DENTAL DISEASE
127	128	1300	SJD, DENTAL DISEASE	SJD, DENTAL DISEASE
128	103	1244	SJD, DENTAL DISEASE	SJD, DENTAL DISEASE
129	118	1277	DENTAL DISEASE	DENTAL DISEASE
130	133	1309	OA, SJD, Dental disease	OA, SJD, DENTAL DISEASE
131	135	1312		
132	80	1195	<b>MATCHED UP WITH SK.120</b>	
133	122	1288	DJD, SJD, OA (Verts, Hips, Tarsals)	OA, SJD
134	14	1034	Periostitis, <b>Fracture? (L.1st MC)</b>	INFECTION
135	120	1280	SJD, <b>SN, Scheuermanns (?):T11</b>	SJD
136	121	1286	SJD, Dental disease	SJD, DENTAL DISEASE
137	119	1278	Dental disease	DENTAL DISEASE
138	105	1249		
139	106	1251	OA (Vert), SN, Dental, L.CO, <b>Scurvy (R.orbit)</b>	OA, SJD, DENTAL DISEASE, CRIBRA ORB (?)

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140	123	1289	SN, Calculus & Caries, <b>R.Os acromiale, Entheses.</b>	SJD, DENTAL DISEASE
141	101	1240	SN, Spondylolysis, R.Fibula Fracture, <b>Sacralisation</b>	SJD, FRACTURE, SPONDYLOLYSIS
142	111	1260	OA, Fracture (R.5th MT), <b>O.Dissecans? (L.Femur)</b>	OA, SJD, FRACTURE
143	90	1214	SN, Infection, <b>OA</b>	SJD, INFECTION
144	98	1232	OA(Verts), SN, DJD, Dental diseases	OA, SJD, DENTAL DISEASE
145	139	1329	Vert OA, L.Clavicle Fracture, Caries.	SJD, DENTAL DISEASE, FRACTURE
146	137	1318		
147	125	1294	Entheses, OA (Verts), Dental (Granulomas, Abscesses, Calculus)	SJD, DENTAL DISEASE
148	99	1235	OA (R.Wrist, R.Hip, L.Knee & vert, Periostitis (L.Femur), DJD/SN	OA, INFECTION (L.Femur)
149	117	1275	Fractured R.ribs, OA, DJD, SN, Dental <sup>7</sup> , Blade wound, CO, <b>Neoplasm(?) (R.Orbit), Maxillary Sinusitis</b>	OA, SJD, DENTAL DISEASE, BLADE WOUND, CIBRA ORBITALIA
150	94	1224	DJD, Periosteal changes, <b>Entheses.</b>	OA, INFECTION
151	140	1322	OA, SJD, DJD, L.Mid Rib Fracture, Dental <sup>8</sup>	OA, SJD, DENTAL DISEASE, FRACTURE
152	132	1307	Blade wounds (x 3), Dental, <b>Maxillary Sinusitis(?)</b>	DENTAL DISEASE, BLADE WOUNDS
153	114	1268	DJD, SN/ <b>Scheuermanns</b> , Vert fractures, Dental.	SJD, FRACTURE, DENTAL.
154	141	1331	SJD, DJD, OA, Infection (R.Tibia), Dental	OA, SJD, DENTAL DISEASE, INFECTION
155	146	1338	SJD, Osteoporosis(?)	SJD, OSTEOPOROSIS (?)
156	121	1284	SJD, Dental disease, Blade wound.	SJD, DENTAL DISEASE, BLADE WOUND
157	104	1247	SJD, Dental disease	SJD, DENTAL DISEASE
158	138	1328	Blade wound (L.Parietal), Fractured L.Ribs, OA (L&R ACC & Verts), SN, Dental disease.	OA, SJD, DENTAL DISEASE, BLADE WOUND
159	115	1270		
160	148	1346	OA (R&L Hip, L3).	OA
161	74	1177	OA, DJD, SJD, SN, Dental <sup>9</sup>	OA, SJD, DENTAL DISEASE
162	159	1373		
163	160	1374		
164	151	1353	<b>Neoplasm(?), Entheses, sacralisation</b> , Fractured ribs, OA/SJD/DJD, Dental (severe wear).	OA, SJD, DENTAL DISEASE, FRACTURE
165	158	1371		
166	161	1381		
167	156	1366		
168	153	1357		

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169	155	1362	OA, <b>Entheses, SN.</b>	OA
170	157	1368	Calculus, Fracture (L.clavicle), SN, <b>Neoplasm(?)</b>	SJD, DENTAL DISEASE, FRACTURE
171	154	1360	OA, SJD, Osteochondritis dissecans(?), Spondylolysis	OA, SJD, SPONDYLOLYSIS, ?OSTEOCHONDRITIS DISSECANS
172	152	1364	OA (L5-Sacral R.facet, L.knee), granuloma(?)	OA, SJD, DENTAL DISEASE
173	116	1271	SJD, Dental (Granuloma, Abscess, Severe wear) <b>Scheuermann's, SN, Maxillary sinusitis, Ankylosing spondylitis (?)</b>	SJD, DENTAL DISEASE
174	144	1334	<b>Neural arch entheses</b>	
175	40	1090	<b>Calculus</b>	
176	95	1267	OA, SJD, Fracture, Dental, CO, Infection, <b>Spondylolysis (L5), Kyphosis(?)</b>	OA, SJD, DENTAL, FRACTURE, INFECTION, CRIBRA ORB
177	37	1086		
186	515	2987	Spondylolysis(L5), L.Os acromiale, Entheses, Dental.	OA, SJD, DENTAL, OS ACROMIALE, SPONDYLOLYSIS
187	516	3346	Spina bifida occulta, L&R 5th MT fracture, <b>Periostitis? (R.Ulna).</b>	DENTAL, SJD, FRACTURES, SPINA BIFIDA.
188	517	3367	SJD (C2)	SJD
189	1	1012	<b>Calculus &amp; DEH</b>	
190	3	1006	<b>Infection (lower limbs)</b>	
191	-	1083		
192	20	1078	<b>R.ACC OA, L1 bifid facet, R.slipped femoral capital epiphysis(?)</b>	
DIS	76	1217_290	<b>Calculus, Abscess.</b>	
DIS	76	1217_291	<b>Epidural hematoma (?), SN (T10), Embedded UR Canine</b>	
DIS	76	1217_294	<b>Trauma? (R.Frontal), Calculus.</b>	
DIS	76	1217_327	<b>Cribræ Orbitalia, DEH.</b>	

**Abbreviations:**

SN = Schmorl's nodes

OA = Osteoarthritis

CO = Cribræ orbitalia

SJD = Spinal joint disease

DJD = Degenerative joint disease

DEH = Dental enamel hypoplasia

ACC = Acromioclavicular joint

MT = Metatarsal

MC = Metacarpal

DIS = Disarticulated

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<sup>1</sup> SK No's are the same as the burial numbers.

<sup>2</sup> Those highlighted red are new discoveries by S.Curtis-Summers (2013-14).

<sup>3</sup> Cranium from C1211/F76 matched up with this skeleton as per C.Spall's instructions.

<sup>4</sup> Mandible still in York (used for Becca's MSc). Cecily said (13.5.11) continue without mandible as they're having trouble getting it back. Dental could not be recorded, SC.

<sup>5</sup> No skull present. S.King assessed mandible in 2000. At York?

<sup>6</sup> Could not assess dental - only one loose tooth present. Mandible still in York (as note <sup>2</sup>).

<sup>7</sup> Mandible could not be assessed as still in York (as note <sup>2</sup>).

<sup>8</sup> Could only assess maxillary dentition as mandible still in York (as note <sup>2</sup>).

<sup>9</sup> Could only assess maxillary dentition as mandible still in York (as note <sup>2</sup>).