

A RE-EVALUATION AND REVISION OF PUBIC SYMPHYSIS AND FOURTH
RIB AGING TECHNIQUES

by

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APPENDIX D

REVISED MORPHOLOGICAL GROUP DESCRIPTIONS FOR THE MALE
PUBIC SYMPHYSIS AND PHOTOGRAPHS OF A TYPE SPECIMEN FOR
EACH GROUP

Males, Group 1.

Group	Count	Mean	St. Dev.	Max.	Min.	Range
1	14	19.29	1.93	22	18	18-22

- *Clear ridge and furrow system that extends from pubic tubercle onto the inferior ramus.
- Ridges and furrows are deep and well-defined, and do not look worn down.
- No dorsal lipping.
- Bone is excellent quality; bone is firm, heavy, dense, and smooth on the ventral and dorsal body.
- No rim formation.
- Dorsal plateau is not formed; the ridges and furrows extend to the dorsal edge.

(*) Indicates characteristic traits for each group.



Males, Group 2.

Group	Count	Mean	St. Dev.	Max.	Min.	Range
2	14	22.14	1.86	26	20	20-26

- *The rim is in the process of forming, but mainly consists of a flattening of the ridges on the dorsal aspect of the face and ossific nodules present along the ventral border.
- Ridges and furrows are still present.
- The ridges and furrows may appear worn down or flattened, especially on the dorsal aspect of the face. The furrows are becoming shallow.
- The upper and lower rim edges are not formed.
- There is no dorsal lipping.
- The bone quality is very good; the bone is firm, heavy, dense, and smooth on the ventral and dorsal body, with little porosity.
- The pubic tubercle may appear separate from the face.

(*) Indicates characteristic traits for each group.

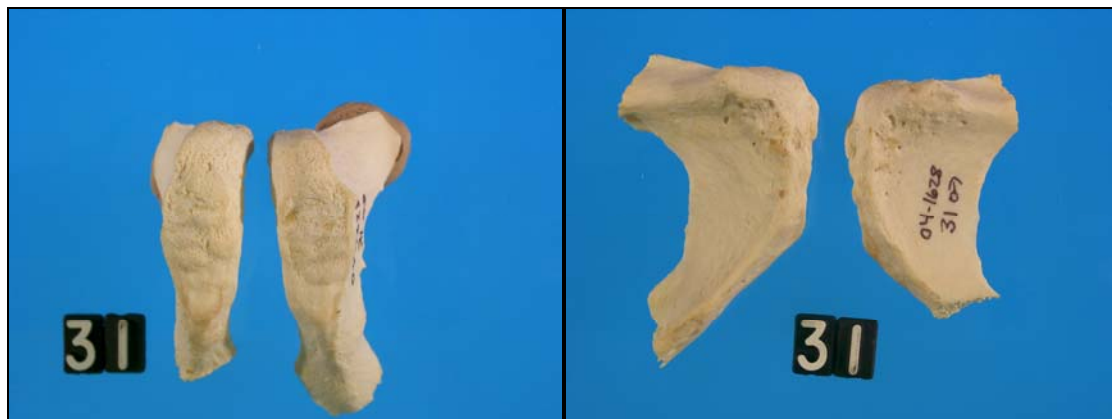


Males, Group 3.

Group	Count	Mean	St. Dev.	Max.	Min.	Range
3	36	29.53	6.63	44	21	21-44

- *The lower rim is complete on the dorsal side of the face, and is complete until it ends approximately halfway up the ventral face leaving a medium to fairly large gap between the lower and upper extremities on the ventral face. This enlarged "V" is longer on the dorsal side than the ventral side.
- Some ridges and shallow furrows are still visible, but appear worn down.
- In some cases, the face is becoming slightly porous.
- The rim is forming both on the dorsal aspect of the face and the upper and lower extremities.
- In some cases, there is a rounded build-up of bone in the gap between the upper and lower extremities above the enlarged "V."
- Bone quality is good; the bone is firm, heavy, dense and has little porosity.
- The dorsal surface of the body is smooth and there are small bony projections near the medial aspect of the obturator foramen.
- The ventral aspect of the body is not elaborate.
- Very slight to no dorsal lipping.
- Quality of bone and rim completion are important deciding factors.
- Variant: In some cases, a deep line or epiphysis is visible on the ventral aspect parallel to and adjacent to the face (younger).

(*) Indicates characteristic traits for each group.



Variant (epiphysis) in Group 3, Males only.

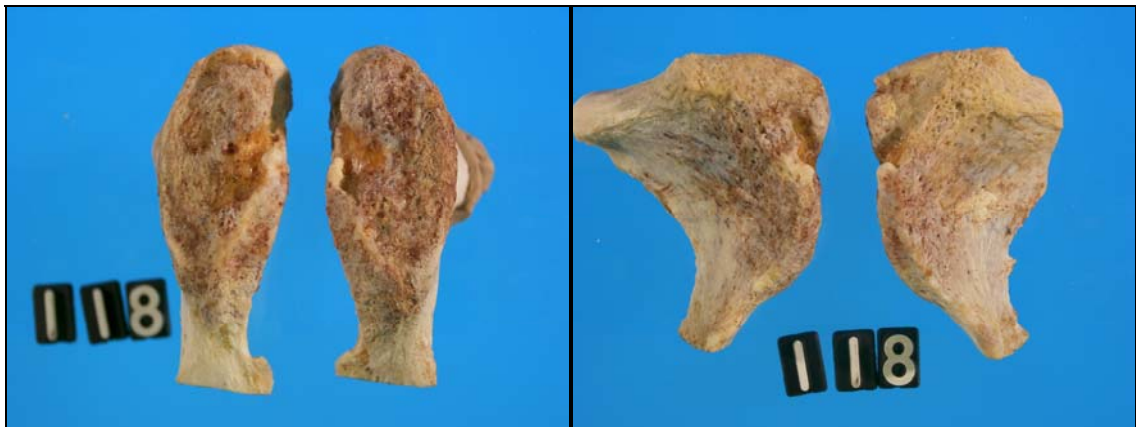


Group 4, Males.

Group	Count	Mean	St. Dev.	Max.	Min.	Range
4	69	42.54	8.8	61	27	27-61

- *In most cases, the rim is complete at this stage, but may have a small ventral hiatus on the superior and ventral aspect of the rim.
- *The face is flattened and not depressed.
- Remnants of ridges and furrows may be visible on the face, especially on the lower half.
- The quality of bone is good, but the face is beginning to appear more porous.
- The dorsal and ventral surfaces of the body are roughened and becoming coarse.
- Slight dorsal lipping.

(*) Indicates characteristic traits for each group.



Group 5, Males.

Group	Count	Mean	St. Dev.	Max.	Min.	Range
5	90	53.87	8.42	72	37	37-72

- *The face is becoming more porous and is depressed, but maintains an oval shape.
- *The face is not irregularly-shaped or erratic.
- *The rim is complete at this stage.
- In general, the rim is not irregular.
- Ridges and furrows are absent on the face.
- There may be some breakdown of the rim on the ventral border, which appears as irregular bone (not rounded/solid).
- The ventral surface of the body is roughened and irregular, with some bony excrescences.
- The dorsal surface of the body is coarse and irregular.
- Projections are present on the medial aspect of the obturator foramen.
- Bone quality is good to fair; it is losing density and is not smooth.
- The bone is becoming lighter.

(*) Indicates characteristic traits for each group.



Group 6, Males.

Group	Count	Mean	St. Dev.	Max.	Min.	Range
6	34	63.76	8.06	83	51	51-83

- *The face is losing its oval shape, and is becoming irregular.
- *The rim is complete, but breaking down, especially on the ventral border.
- *The rim and face are irregular, porous, and macroporous.
- *Bone quality is fair.
- *The bone is lighter and more porous, even with bony buildup on the ventral body surface.
- The rim is eroding.
- The dorsal surface of the bone is rough and coarse.
- There are no ridges and furrows.
- Dorsal lipping is present.
- Projections are present at the medial aspect of the obturator foramen.

(*) Indicates characteristic traits for each group.



Group 7, Males.

Group	Count	Mean	St. Dev.	Max.	Min.	Range
7	96	77.0	9.33	97	58	58-97

- *The face and rim are very irregular in shape and are losing integrity.
- The rim is complete, but is eroding and breaking down, especially on the ventral border.
- There are no ridges and furrows.
- The face is porous and macroporous.
- Dorsal lipping is pronounced.
- Bone quality is poor, and the bone is very light and brittle. Bone weight is an important deciding factor.
- The dorsal surface of the bone is roughened.
- The ventral surface of the body is roughened and elaborate.
- Projections are present at the medial wall of the obturator foramen.
- The pubic tubercle is elaborate and proliferative.
- VARIANT: The rim is complete except for a lytic/sclerotic appearing hiatus at the superior ventral margin that extends toward the pubic tubercle and sometimes underneath the ventral rim, which should not be confused with a hiatus.



Group 7 Variant, Males only.

