

THE COMPOSITE METHOD ©

Female

To Estimate Age Using The Composite Method:

Find the pubic symphysis for the individual in question, isolate either the left or right os pubis, and locate its "face."

Looking at that face directly, locate the Upper Boundary as illustrated (right).

Consult the descriptions and images under the "Upper Boundary" heading and choose the column that most closely fits the individual in question.

Note the number below that column and reserve it for later.

Continue steps 1-4 for each component (Lower Boundary, Outline, Surface Texture, and Topography). Components may be assessed in any order (order preference will not affect outcome).

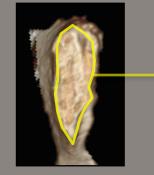
To assign the density adjustment, find the axial image in which the symphysis is at its widest and choose the "Density" illustration (top) that best matches it.

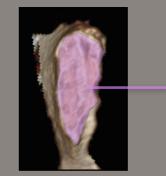
Once numbers for all 5 components plus the density adjustment have been assigned, add them and retain the sum.

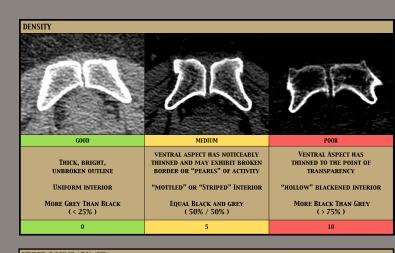
Retain the number listed below each column -														
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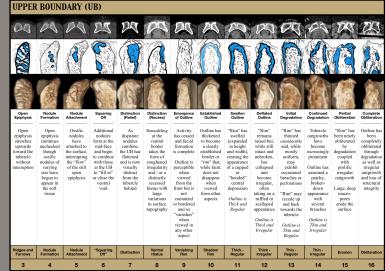


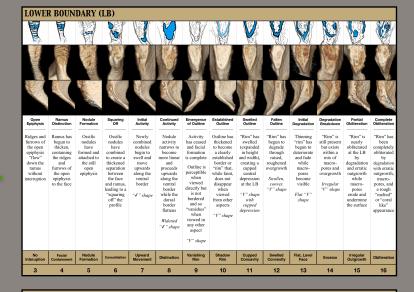


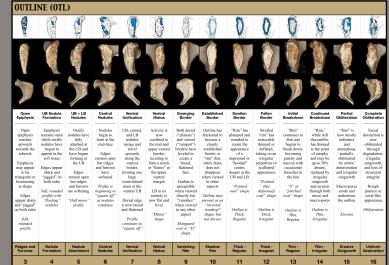


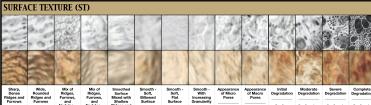






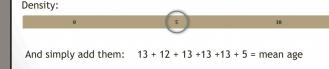






8

9



Add and subtract half of the population appropriate prediction envelope to either side of the sum, respectively.

The range produced is the estimated age for that individual.

Age may also be estimated by regression For a free calculator, please visit:

https://tcmtechnique.vercel.app/

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Sharp Ridges and Furrows	Rounded Ridges and Furrows	Disorder	Filled in Furrows	Gentle Waves	Billowed Surface	Flat Surface	Increasing Granularity	Micropores	Macropores	Sinkholes	~ 50% Degradation	~ 75% Degradation	~ 100% Degradatio
Sharp, thinly peaked and densely packed furrows present across the entirety of the open epiphysis	Thick, rounded ridges with widening furrows present across the entirety of the open epiphysis	Nodules - Disorganizado Ridges and furrows are interrupted by erratic nodule activity, creating a "jumbled" or disordered appearance for later stages	Nodules - Organized Nodule activity begins to "plump up" or "fill in" remaining furrows hallowed but have returned to order	Ridges and Furrows Continue to "fill in," creating an irregular mix of smoothness and gently rolling surface "waves"	Irregularity due to remodeling has ceased to reveal a smooth, ridge-less surface for the first time Horizontal ridge and furrow orientation has given us osoft, direction- less undulations	Ridges and furrows have now disappeared and have been replaced by a smooth level surface <i>Remodeling</i> <i>activity has</i> <i>ceased and</i> <i>the face is</i> <i>complete</i>	Surface remains soft and smooth but exhibits increasingly visible granularity "Fine" Sandpaper	Surface remains smooth but now exhibits a widespread diffusion of micro pores "Coarse" Sandpaper	Granularity worsens and macro pores begin to appear below and below and belo	Surface now appears abraded due to intensifying granulation Micro and Micro and macro pores combine, creating large "sinkholes" that further undermine the surface	Surface is a combination of smoothness and degradation (-50%) as structural integrity erodes from below <i>Crumbling</i> appearance	Surface is now more eroded than it is intact (~75%) Wizened, Desiccated appearance	Surface is now completely eroded (-100%) Hollow Pumice on sponge-lik appearance

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Triangular Shape (Sharp) Inferor to superior profile is sharp and triangular in appearance	Parabolic Shape (Rounded) Inferior to superior profile is convex or parabolic in appearance	Opposing Nodules (UB + LB) Inferior to superior profile is flat or slightly convex with ossific nodule "bookends" at the UB and LB	Steep Central Valley Inferior to superior profile is gullied with steeply sloping sides	C-Shape - Sloped Center Inferior to superior profile is auricular or "C" shaped Interior surfaces slope downwards towards towards wide ventral inlet	C-Shape- Flattened Center Inferior to superior profile is "C" or diamond shaped with a flattened interior and narrow or "Pinched" ventral inlet	Broad Flat Plateau Inferior to superior profile is flat and plateau like in appearance	Heart or Tulip Shape Inferior to superior profile exhibits either a "heart" or "tulip" shaped LB protrusion Recessed background may be flat or slightly concave	Inverted Triangle (Rounded) Inferior to superior profile exhibits a rounded inverted triangle at the LB resulting in an "S" or wavelength appearance when viewed background	Inverted Triangle (Flat) Inferior to superior profile exhibits a flattened inverted triangle at the LB Recessed concave background	Crater or Basin Shape Inferior to superior profile is "crater" or "basin" shaped with interior surfaces sloping or funneling downwards to create a wide central concavity Best yviewed at 3/4 oblique angle	Filled in" Crater or Basin Inferior to superior profile is "crater" or "basin" shaped with irregularly "filled in" center Best viewed at 3/4 oblique angle	Rough Irregular Surface Inferior to superior profile has flattened and is rough and irregular with a mix of erratic outgrowths and pitting	Pitted or Pocked Convexity Inferior to superior profile is convex due to erosion of both ventral and dorsal borders Face is porous, pitted, and amorphous
Triangle (Sharp)	Parabola (Rounded)	Opposing Nodules	V-Shaped Valley	C-Shaped, Sloped Interior	C-Shaped, Flattened Interior	Flat, Plateau like Surface	Heart or Tulip Shape	S-Shape, High Rounded Curve	S-Shape, Low Flattened Curve	Empty Crater or Basin Shape	Filled In Crater or Basin Shape	Rough Irregular Surface (Flat)	Rough Irregular Surface (Convex)
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