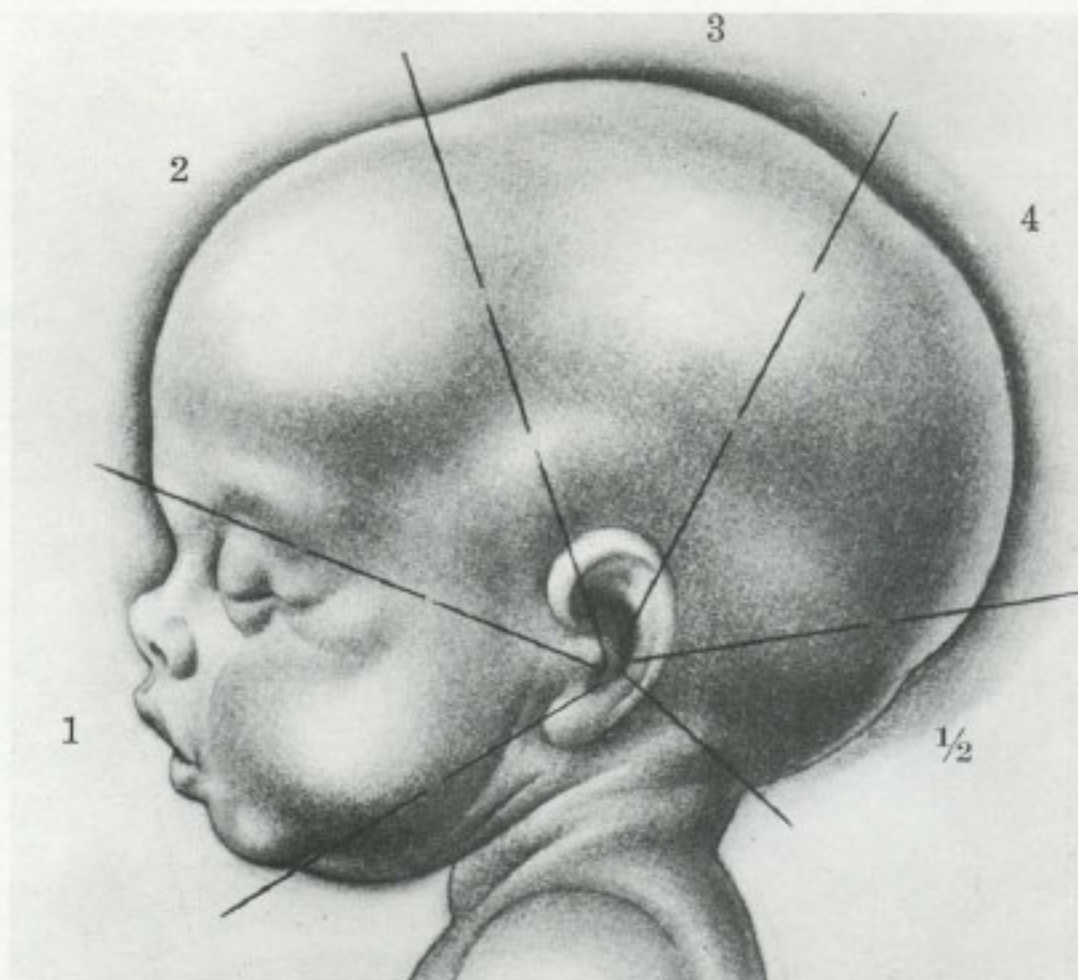


4. Facial Change: Aging

As the head ages, changes take place in head proportion, skull development, and bone articulation in brow, nose, jaw, and teeth. Growth in flesh, tissue, skin, lips, ears, eyelids, and hair all contribute to the descriptive aspects of aging. Less obvious, but no less important, are changing head positions, body attitudes, and gestures; these add subtlety and distinction to the head in growth, maturity, and decline. The following sequence of illustrations will analyze the progressive aging of the head, as form and detail change year by year.

AT BIRTH

Proportion: facial mass, 1 part; cranial mass, $3\frac{1}{2}$ parts. Forehead and nose meet in continuous S-curve. Ear quite large, set forward toward face. Jaw short; flat, undeveloped jaw angle. Nose appears large, compared to mouth and chin. Eye closed; has compressed, bulged appearance. Sparse, downy hair (but occasionally profuse) covers head from crown backward. Short neck; appears feeble and weak.



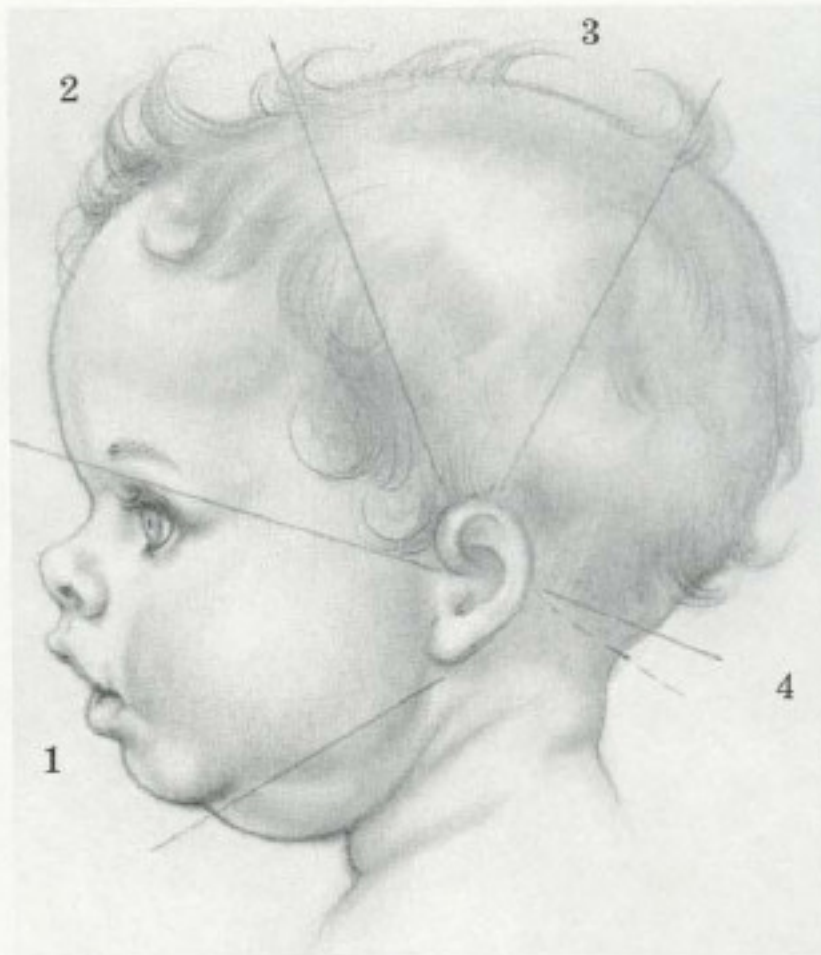
6 MONTHS

Proportion: facial mass, 1 part; cranial mass, 3 parts. Facial mass fuller; jaw slightly increased. Nose appears smaller. Note roundness of cheek, chin, and neck. Mouth tends to be full, curved, open. Hair longer, fine, feathery. Eye alert, responsive.



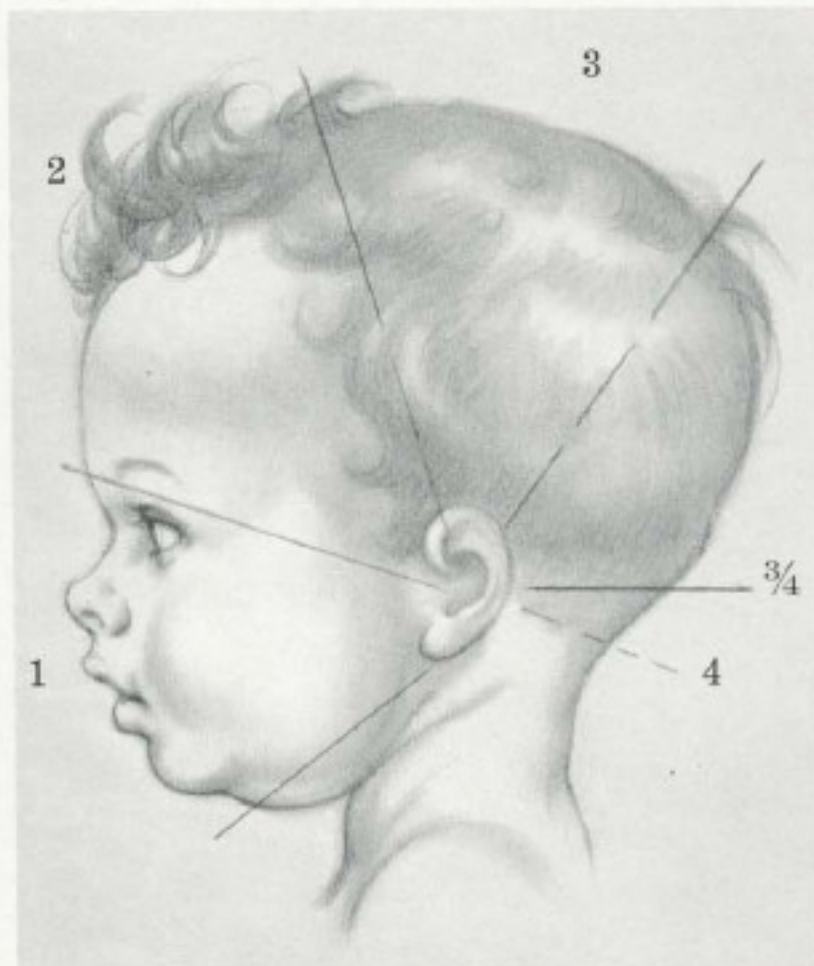
1 YEAR

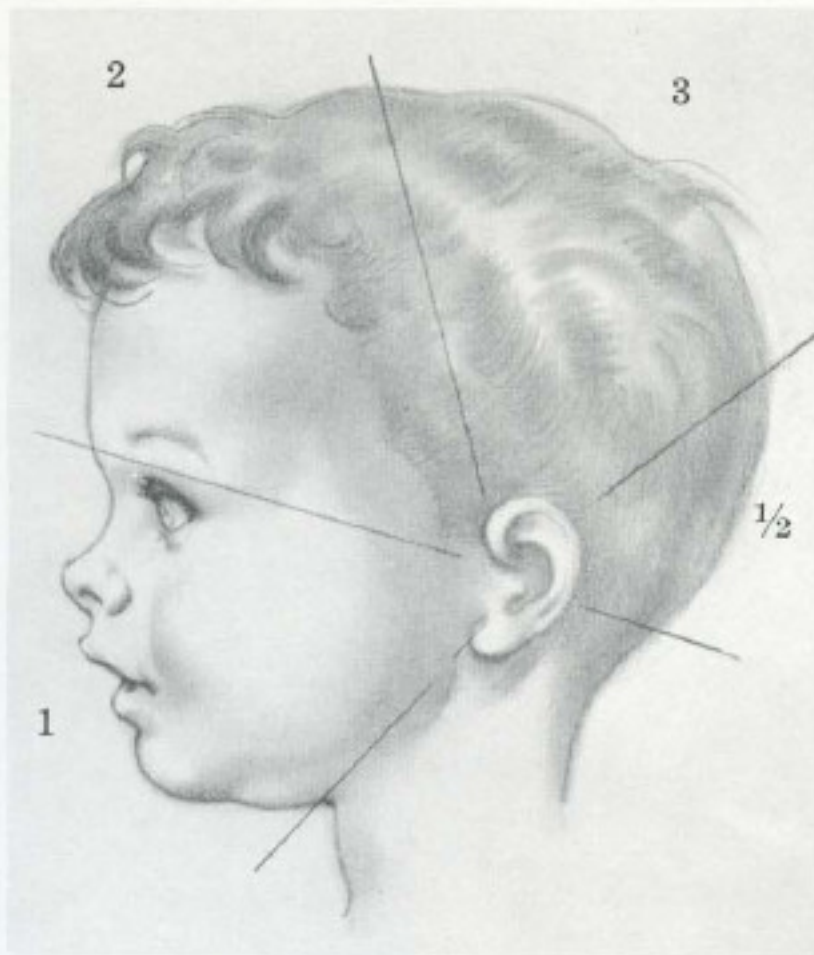
Proportion: facial mass, 1 part; cranial mass, just *under* 3 parts. Pronounced S-curve of forehead and nose. Eye, mouth, and lips active and eager. Chin, cheek and neck fat developed; chubby appearance. Neck somewhat longer.



2 YEARS

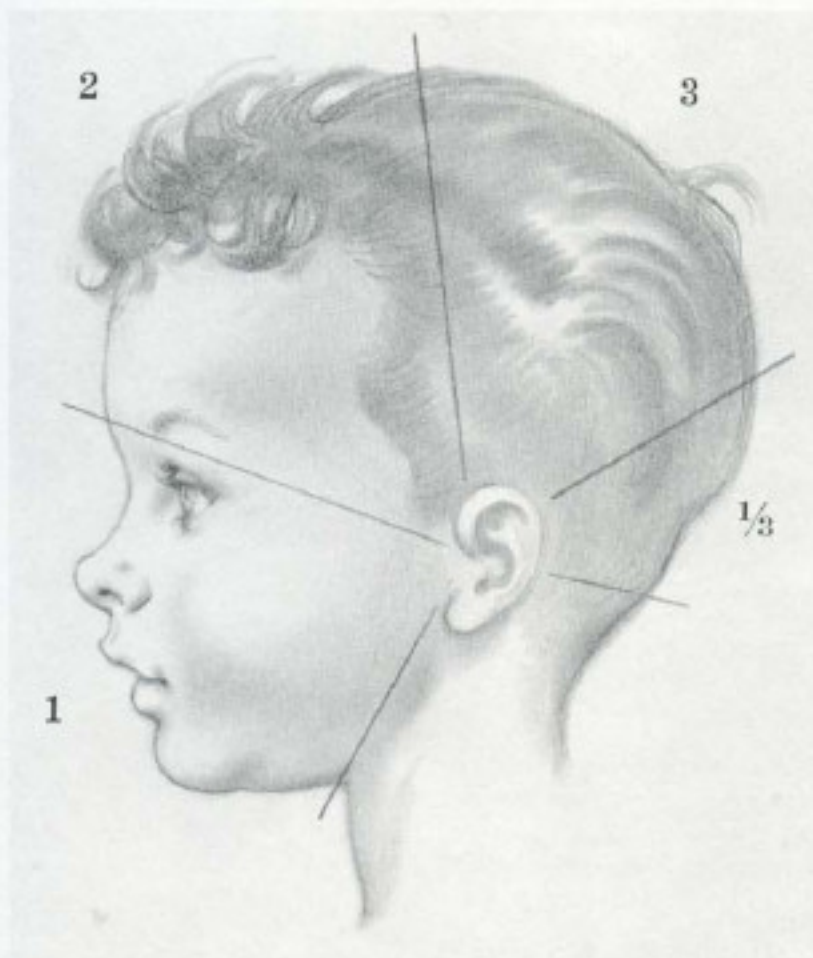
Proportion: facial mass (still increasing), 1 part; cranial mass, $2\frac{3}{4}$ parts. S-curve of forehead and nose maintained. Small, short nose. Hair thicker and profuse. Jaw and chin more developed; cheek, jaw and neck fat evident. Mouth soft and curved, but firmer and more controlled. Neck somewhat longer.





3½-4 YEARS

Proportion: facial mass (still increasing), 1 part; cranial mass, $2\frac{1}{2}$ parts. S-curve of forehead and nose persists. Nose slightly longer. Cheek full and rounded. Jaw larger; chin curved, somewhat prominent. Under-jaw fat and neck fat disappearing; neck longer. Lips firmer; mouth more competent and expressive.

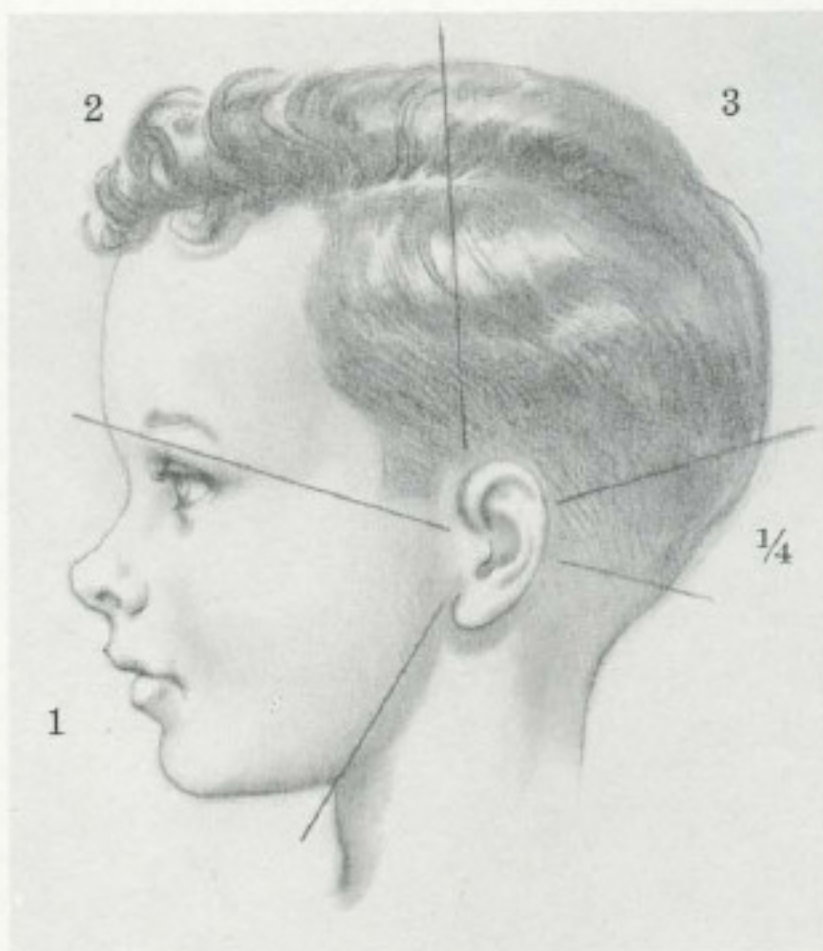


6-7 YEARS

Proportion; facial mass (still increasing), 1 part; cranial mass, $2\frac{1}{3}$ parts. Orbits almost as large as adult. Nose still curved, but longer; tip up-thrust. Mouth region larger. Chin round, more prominent; jaw angle more vertical; jaw larger. Neck longer. S-curve of rear head bulge and neck evident. Hair unruly, thicker, more adult.

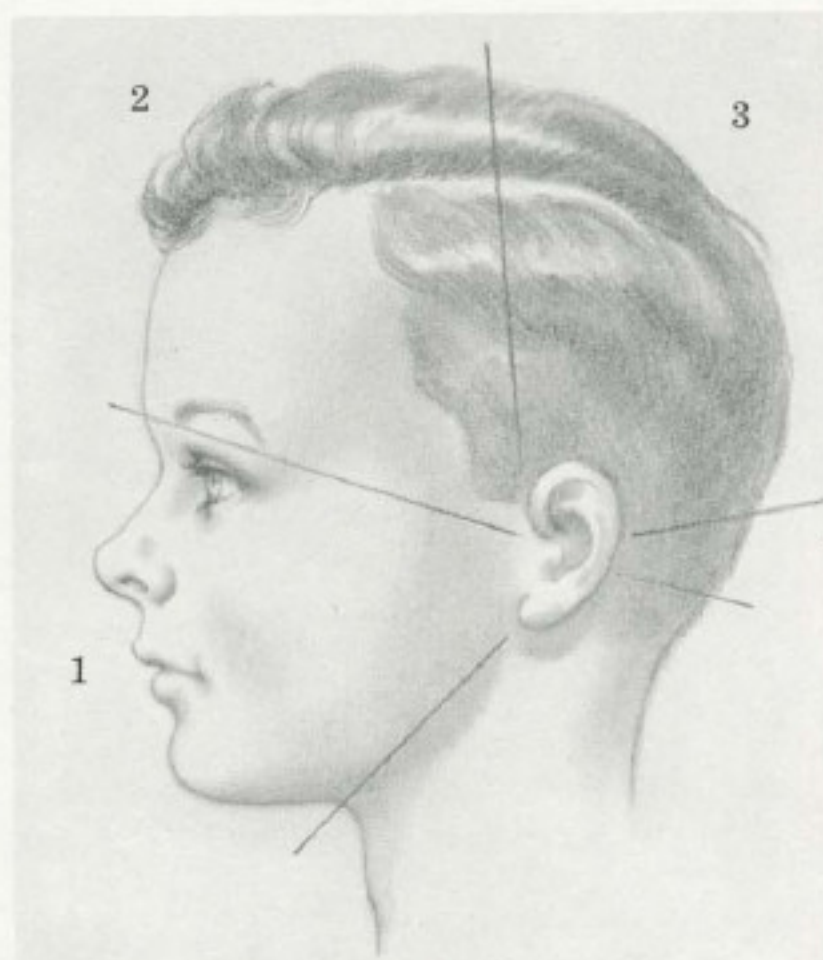
8-9 YEARS

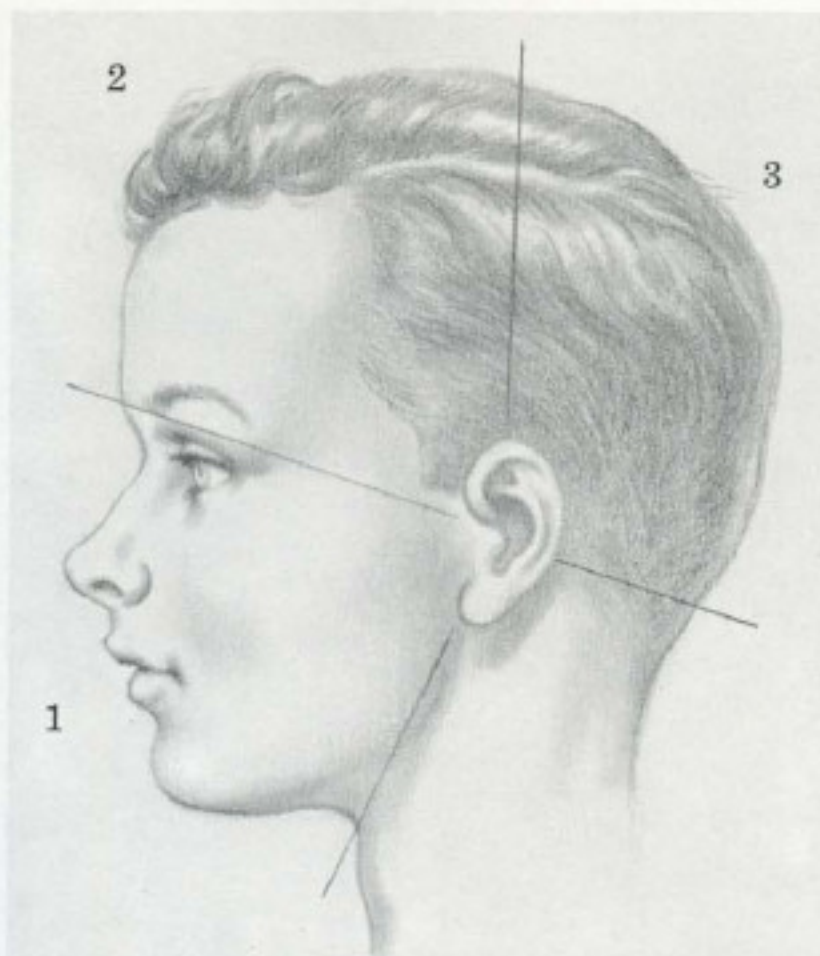
Proportion: facial mass (still increasing), 1 part, cranial mass, $2\frac{1}{4}$ parts. Forehead changed somewhat; brow arch showing, nose bridge deepening. Nose longer, more developed, but still curved; tip upthrust. Lips still curved; mouth region increased. Jaw leaner; chin longer, more pointed, but still rounded. Neck longer. S-curve of head bulge and neck maintained.



11-12 YEARS

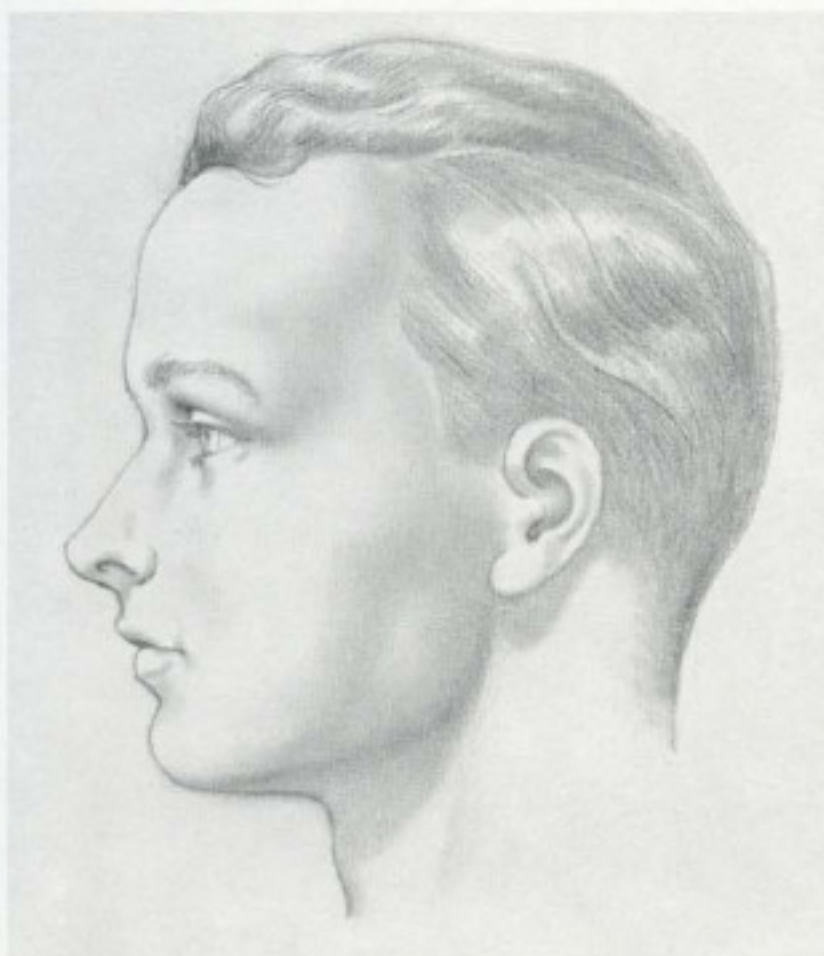
Proportion: facial mass, 1 part; cranial mass, almost 2 parts. Head somewhat smaller than adult, but mature ratio appears. Brow bulge and nose bridge more apparent. Nose longer, more articulated; tip still up. Mouth firmer; chin larger; jaw heavier and broader. Adam's apple puts in slight appearance (voice change beginning). Neck longer and slightly thicker.





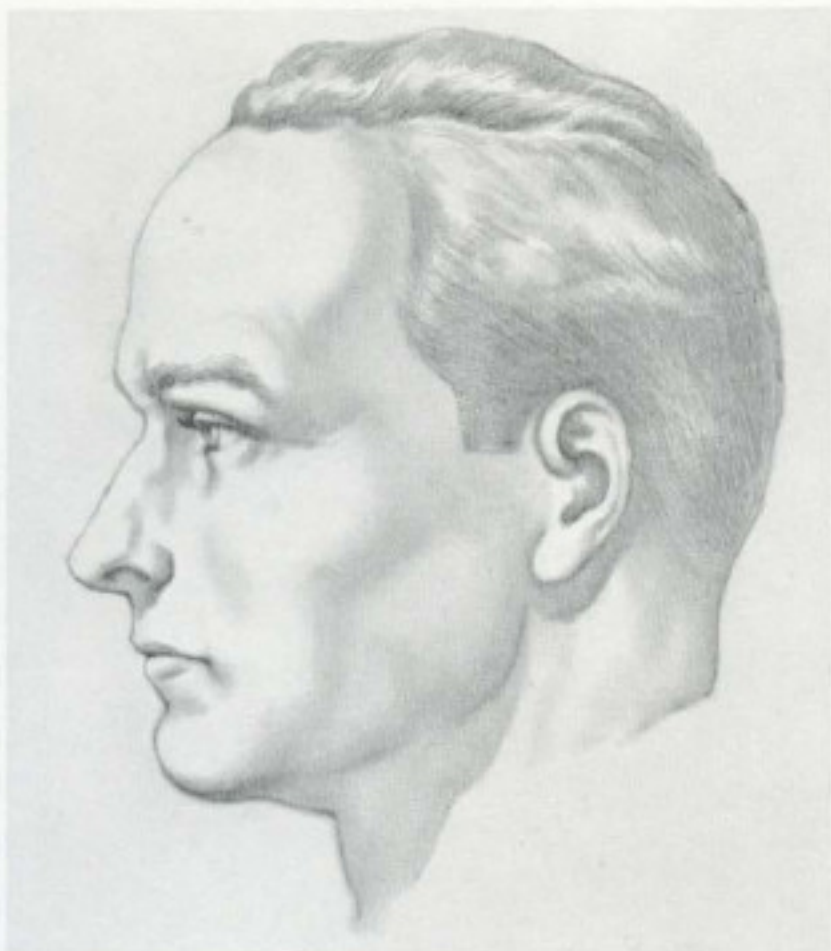
14-15 YEARS

Proportion: mature level reached; facial mass, 1 part, cranial mass, 2 parts. *From here on, head proportion continues at this ratio.* Brow thicker. Nose bridge deepens. Nose tip still up. Jaw corner more angular; chin firmer, less rounded. Adam's apple more pronounced. Neck longer, a bit heavier. Back head bulge still present, still immature.



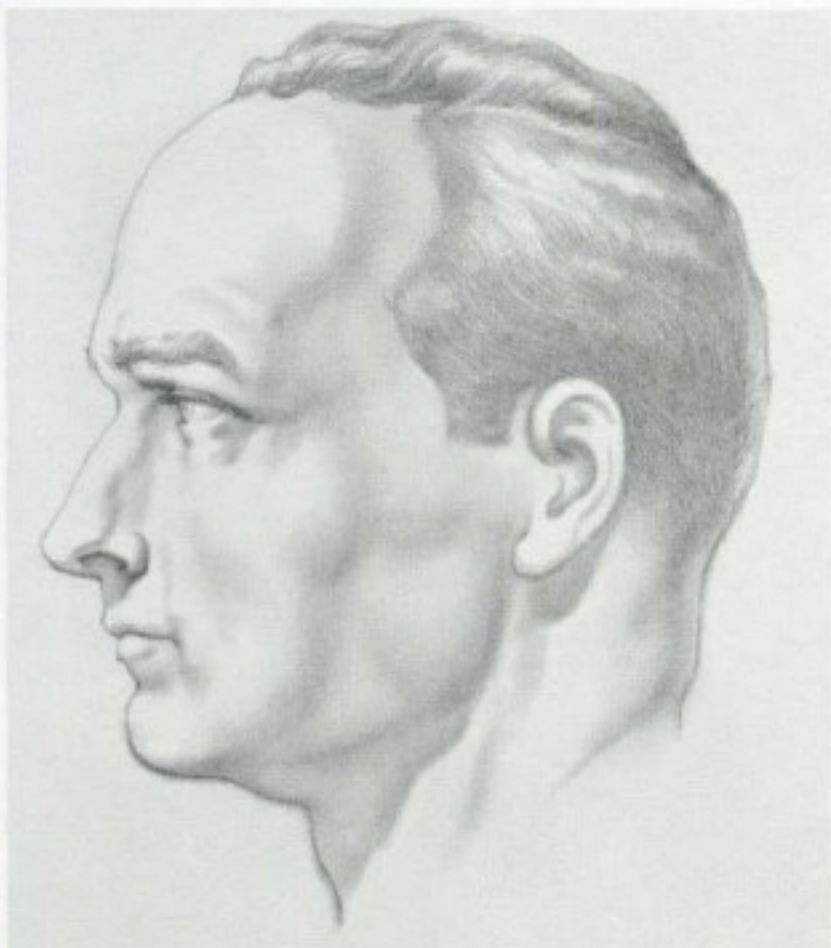
18-20 YEARS

Young adult stage achieved. Understructure of head comes through; leaner facial appearance. Cheek softness disappears. Deeper nose bridge; nose tip less evident. Jaw angle firm. Mouth more firm; lip softness disappears. Neck muscles stronger, more developed. Skin texture firmer, thicker.



35 YEARS

First appearance of softness and fleshiness under jaw; chin mound cleavage occurs. Mouth wrinkle emerges. Under eye sag; further increase of eye and brow wrinkles. Neck less lean, somewhat heavier. More reserved, less intense facial aspect and bearing.

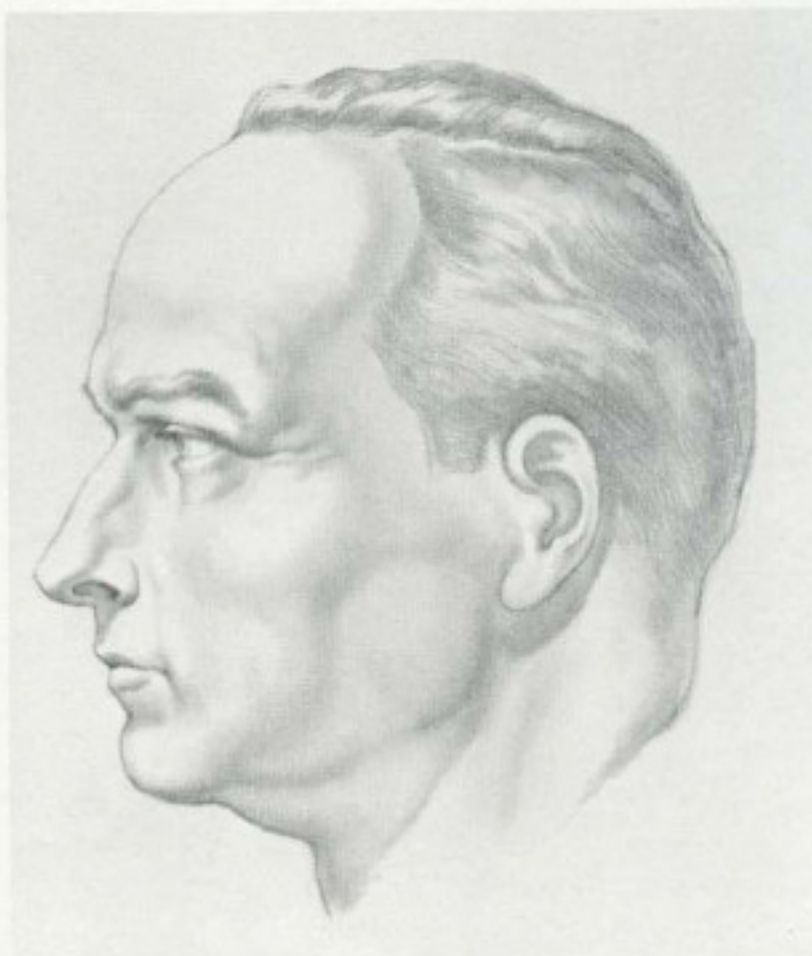


40 YEARS

Hair somewhat thinner. Deeper-set eye; eye socket shows more clearly. Forehead and eye wrinkles advance. Mouth crease more pronounced. Chin mound tighter, less rounded. Under-jaw sag advances; chin shows clear separation from jaw. Neck heavier. Slight fleshy roll at back of neck.

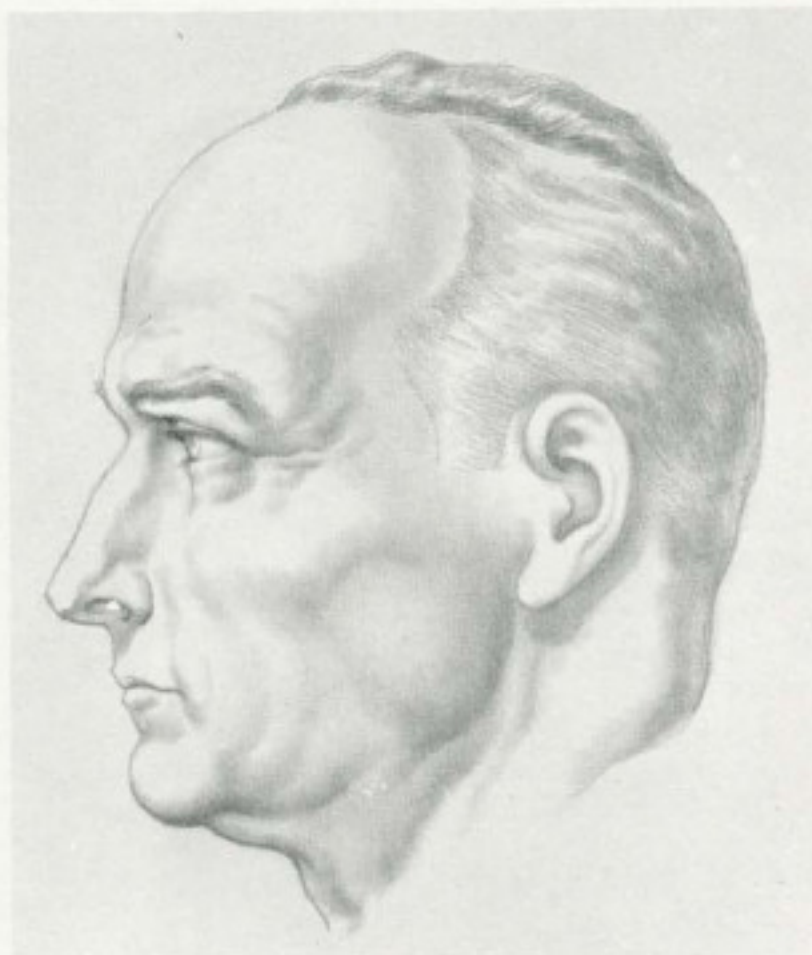
45 YEARS

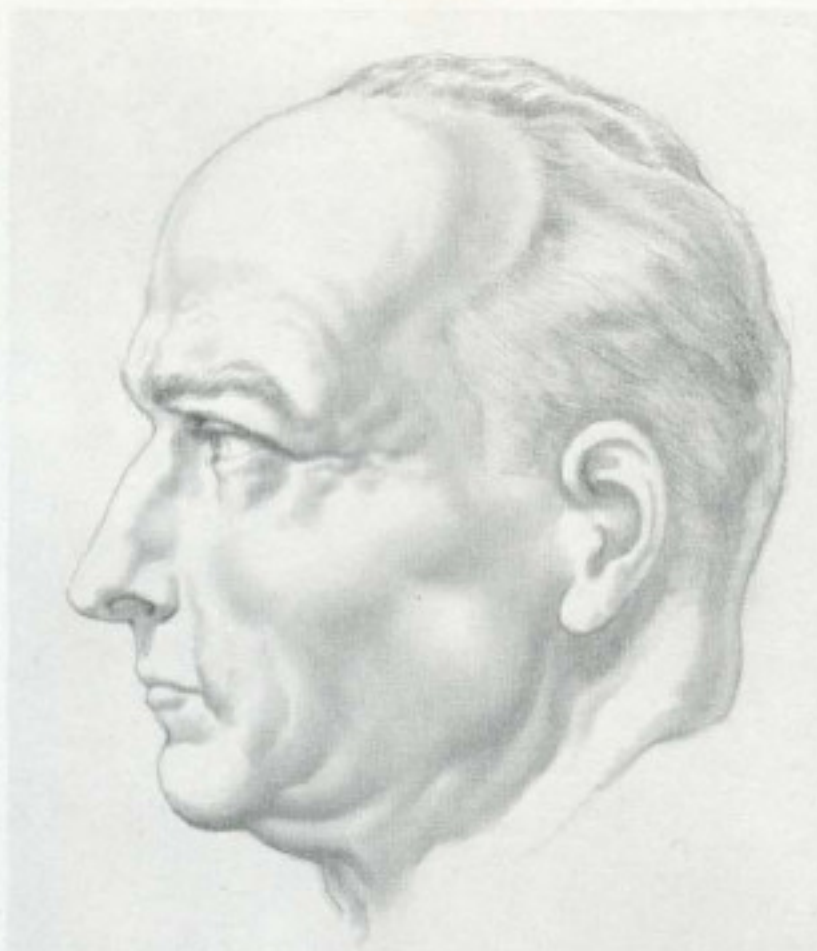
Hair thinner, graying and receding at temples. Definite crow's feet wrinkle group forming at outer corner of eye. Under-chin sag droops slightly toward neck. Chin mound quite distinct. Jaw corner fleshy, less lean. Neck less firm; early wrinkles starting on side; flesh on rear neck reflects increased body weight.



50 YEARS

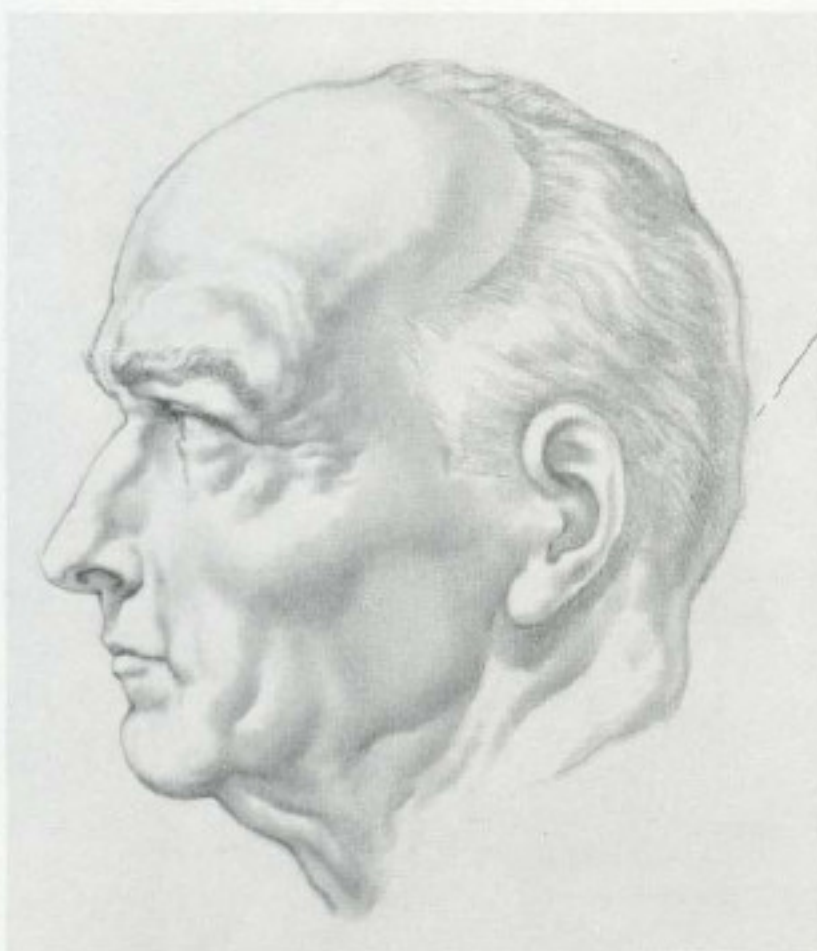
Frontal hair thinned out; side hair recessed. Grayness continues. Upper lid line sags. Eye deeper-set in socket. Fleshy pouch beginning under lower lid. Wrinkles in mid-forehead. Deeper nose bridge. Cheek flesh sags; cheek bone evident. Secondary sag appears at side of chin. Soft flesh under-jaw sinks toward neck. Jaw line fleshy and unclear. Neck wrinkles increase.





55 YEARS

Hair quite thin on crown; generally gray. Under-eye pouch more decisive. Cheek bone and zygomatic arch apparent. Temporal wall and brow corner pronounced. Chin mound more angular. Back neck fold deeper; front of neck shows sagging, folding, and shrinkage.

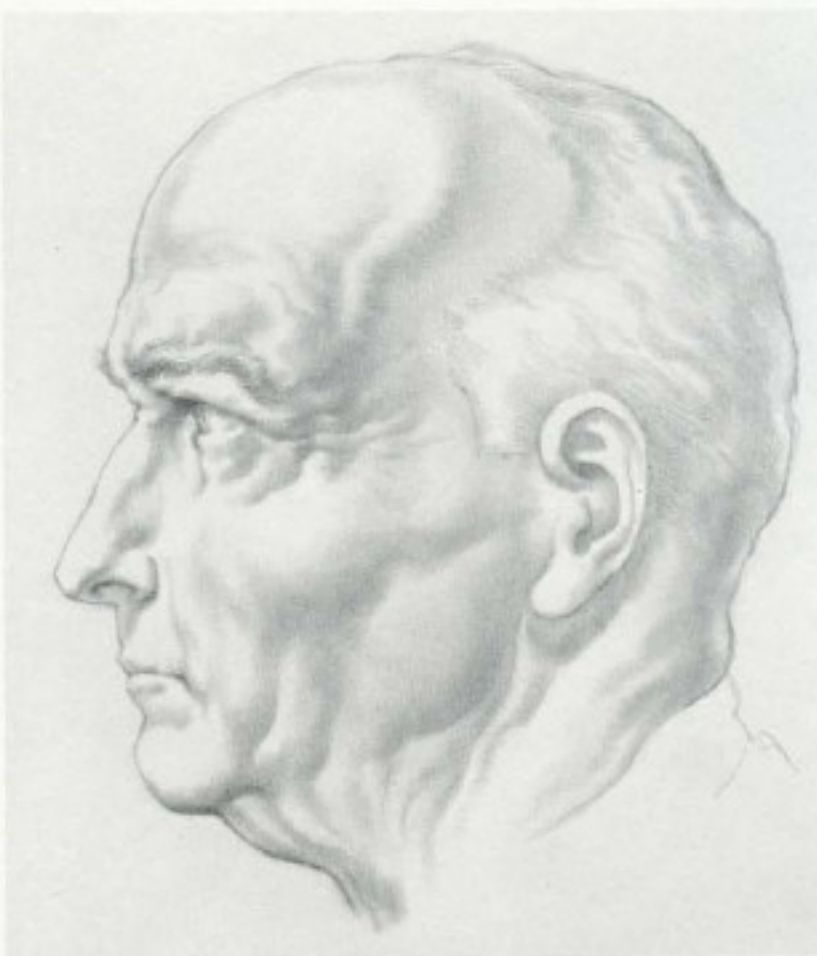


60 YEARS

Cranium generally bald. Bony features of skull apparent throughout. Eye takes on grave, concentrated look. Nose forms more distinct. Lower facial region (especially chin, jaw, and neck) appears slack, flaccid. Ear less firm; shrinkage of forms evident. Facial expression shows tiredness, less energy.

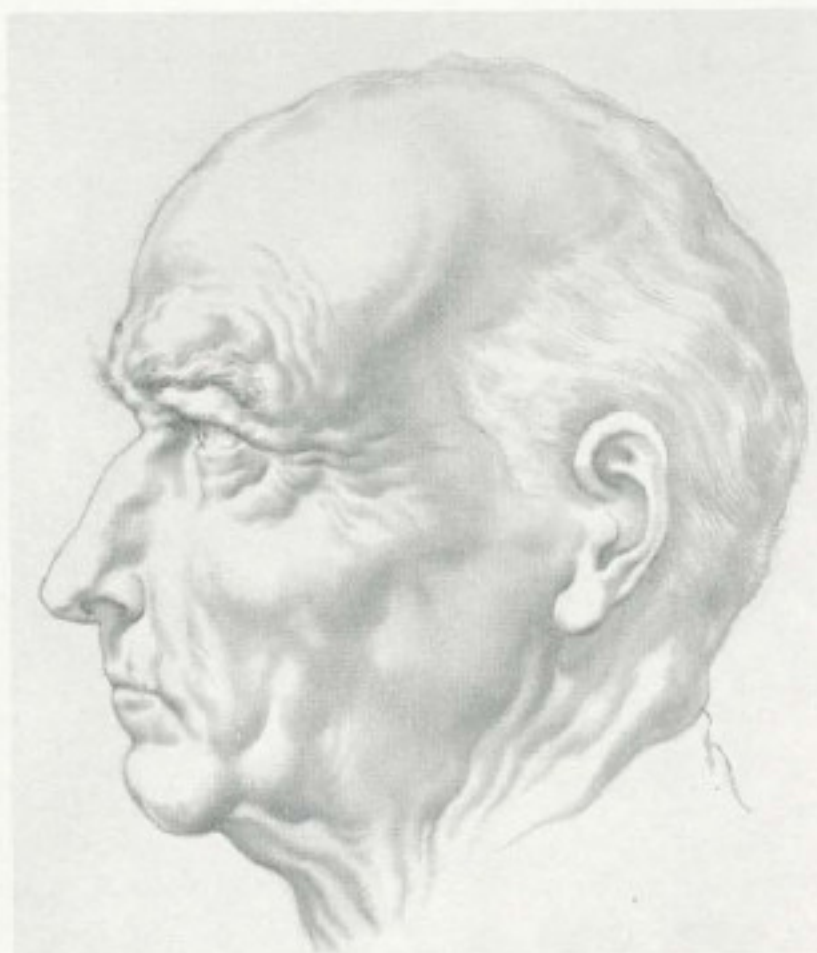
65 YEARS

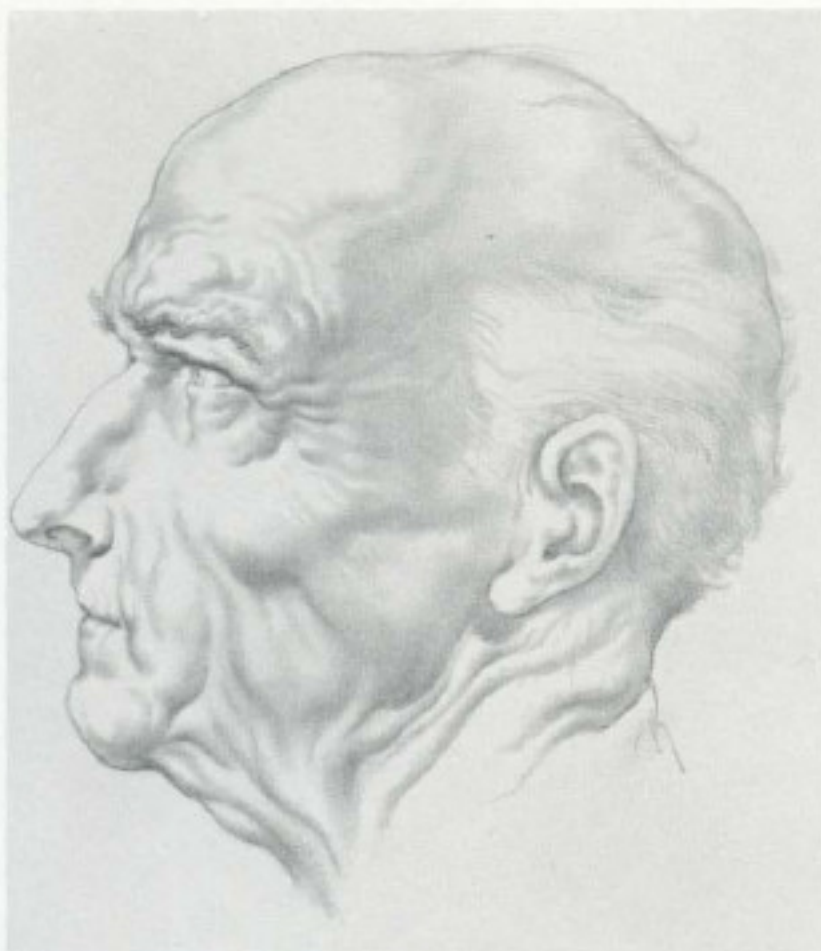
General flesh and bone shrinkage; hollows and recesses of skull become clear. Folds and creases deepen around mouth, jaw, and neck. Fatigue appears in eyebrow, eye and forehead wrinkles. Eyebrow hair somewhat profuse and unruly looking. Placement of head on neck reflects slightly stooped, less erect body posture.



70 YEARS

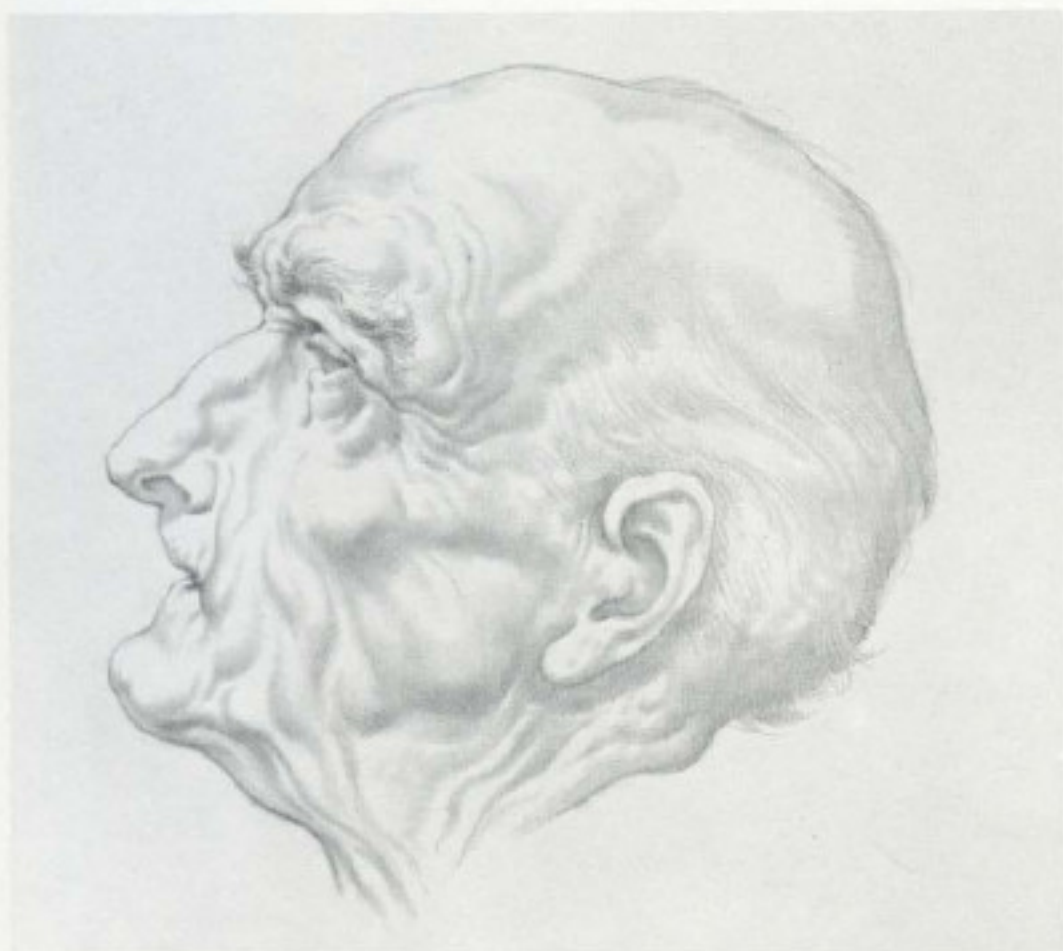
Tooth loss causes jaw shrinkage; jaw angle less steep. Chin more prominent. Nose seems enlarged. Mouth folds deeper, more extreme; lips appear tighter, more compressed. Obvious hair growth on ears. Scalp hair finer and lank; loses coarseness and vigor. Network of smaller wrinkles develops throughout head. Placement of head on neck reflects increasing stoop of body.





75 YEARS

Loss of teeth; further gum and jaw shrinkage. Chin less fleshy, thrust further forward. Cross-cut wrinkles emerge on shrinking lips. Substructure of skull emerges from below skin. Head tends to hang forward in walking; balanced backward while sitting. General weariness in facial expression.



80 YEARS

Senescence and debility overtake head from this stage and beyond. Loss of teeth creates undershot bony look of jaw. Jaw angle quite low and flat. Mouth collapsed and wrinkled. Cheek sunken. Flesh withered throughout the head, including ear and neck. Hair fine, thin, silky. Deep sag on upper lid line; upper eyelid droops markedly. Generally feeble appearance.