

Additional information about the CT acquisition and the 3D model of the type specimen of *Pan paniscus* (#9338)

The cranium and mandible were CT scanned in antero-posterior orientation with a Siemens Sensation 64 at the Katholieke Universiteit Leuven, Belgium (settings: 120 kV, 135 mA, 1 mm-thick slices, reconstruction interval of 0.5 mm, 15 cm field of view, 0.29296875 mm pixel size, 512*512 pixel matrix). The CT dataset does not show any noticeable artifacts and the Hounsfield values are within the range covered by the scanner.

Multiplanar reformatting, thresholding procedures, three-dimensional volume rendering, and metric analyses were mostly undertaken with ArteCore 1 (NESPOS, available at <https://www.nespos.org>). The boundary between the bone and the air as well as the limits of the different analysed structures were identified by manual segmentation. This protocol required using multiple threshold values as a function of variation of bone mineralization. These settings permitted us to obtain precise outlines and limits of the endocranial cavity and of the whole pneumatic cells corresponding to the different areas of pneumatization, and then precise 3D reconstructions.

DICOM header of the CT data

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