

http://app.pan.pl/SOM/app69-Klein_Scheyer_SOM.pdf

SUPPLEMENTARY ONLINE MATERIAL FOR

**Vertebral, rib, and osteoderm morphology and histology of
aff. *Eusaurophargis* (Diapsida; Middle Triassic) and aff.
Saurophargis voltzi from the western Tethys**

Nicole Klein and Torsten M. Scheyer

Published in *Acta Palaeontologica Polonica* 2024 69 (4): 633–648.
<https://doi.org/10.4202/app.01163.2024>

**Supplementary Online Material
Figures S1-S5**

Figure S1. Surface renderings and μ CT images of cervical vertebra (IGPB Wijk10-231) with spiky “neck” osteoderm and left cervical rib attached to the centrum. **A**, left lateral view. **B**, right lateral view. **C**, posterior view. **D**, anterior view. **E**, angled view. **F – J**, Axial slices (from right to left) through the specimen showing the interior structure of the bones.

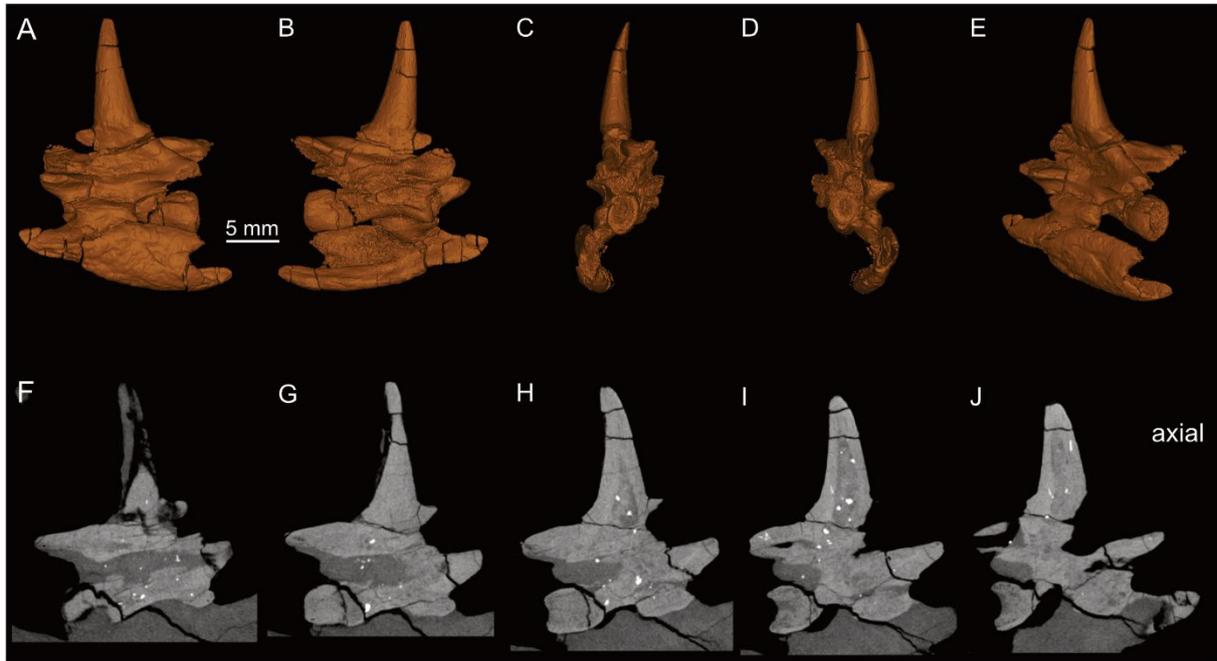


Figure S2. μ CT images and surface renderings of mid-dorsal vertebra (IGPB Wijk06-110)

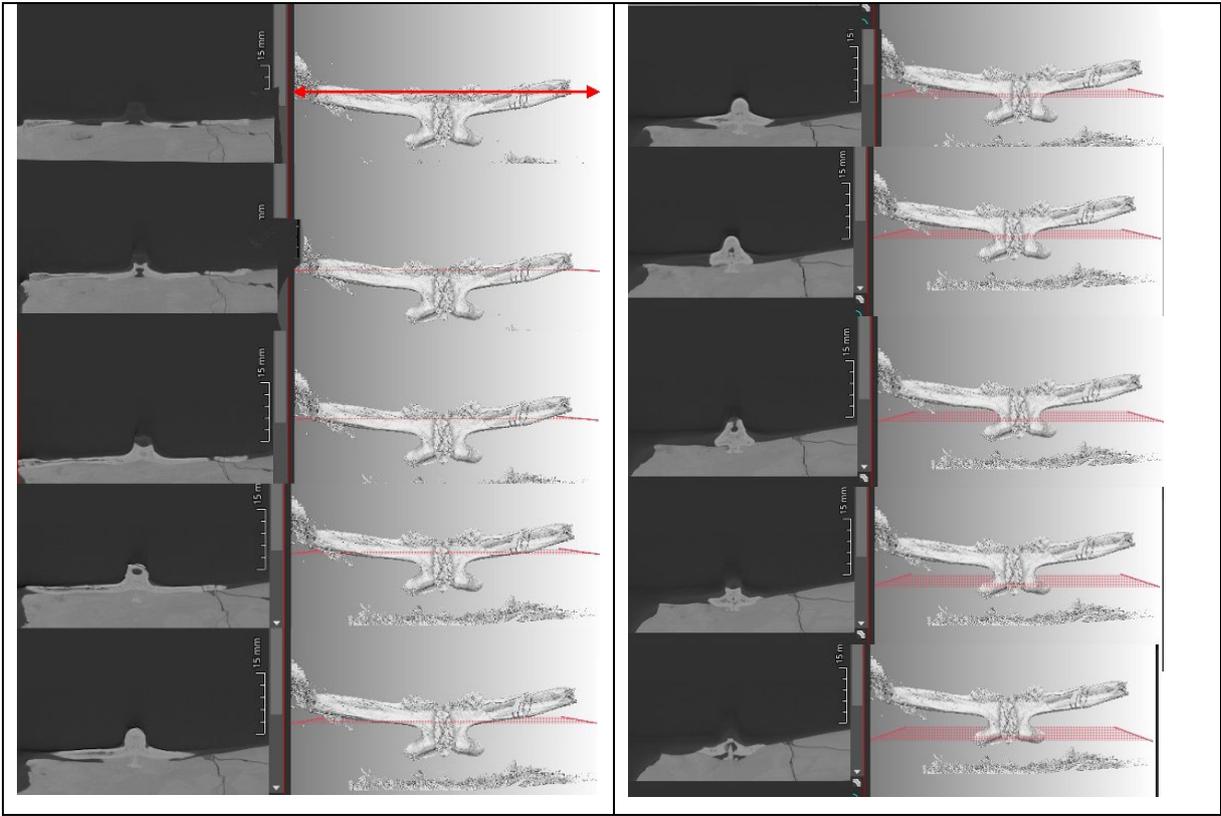


Figure S3. Histological details of dorsal vertebrae. **A**, Detail of the distal tp in normal transmitted light in Wijk11-394. **B**, Detail of centrum of Wijk08-153 in cross-polarized light and **C**, in cross-polarized light with lambda filter. Note the radially arranged vascularization and the small central cavity surrounded by an endosteal region. **D**, Detail of neural arch in cross-polarized light in Wijk08-153. **E**, Detail of neural arch of Wijk08-153 in cross-polarized light.

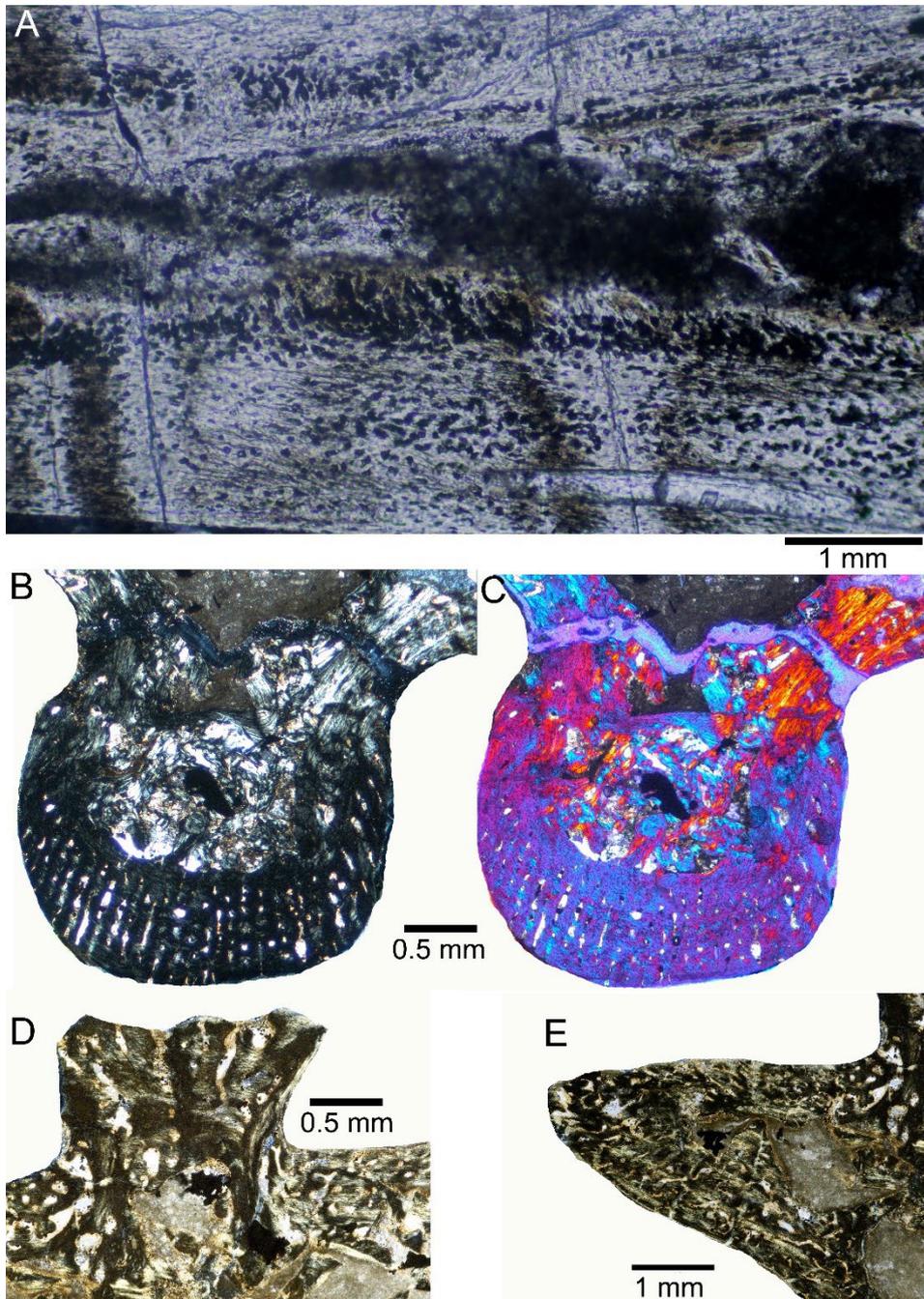


Figure S4. Photographs, surface renderings and μ CT images of “rib” osteoderm (IGPB Wijk09-551). **A**, External morphology. **B – E**, surface renderings in different views. **F – J**, μ CT images in coronal, sagittal and axial views.

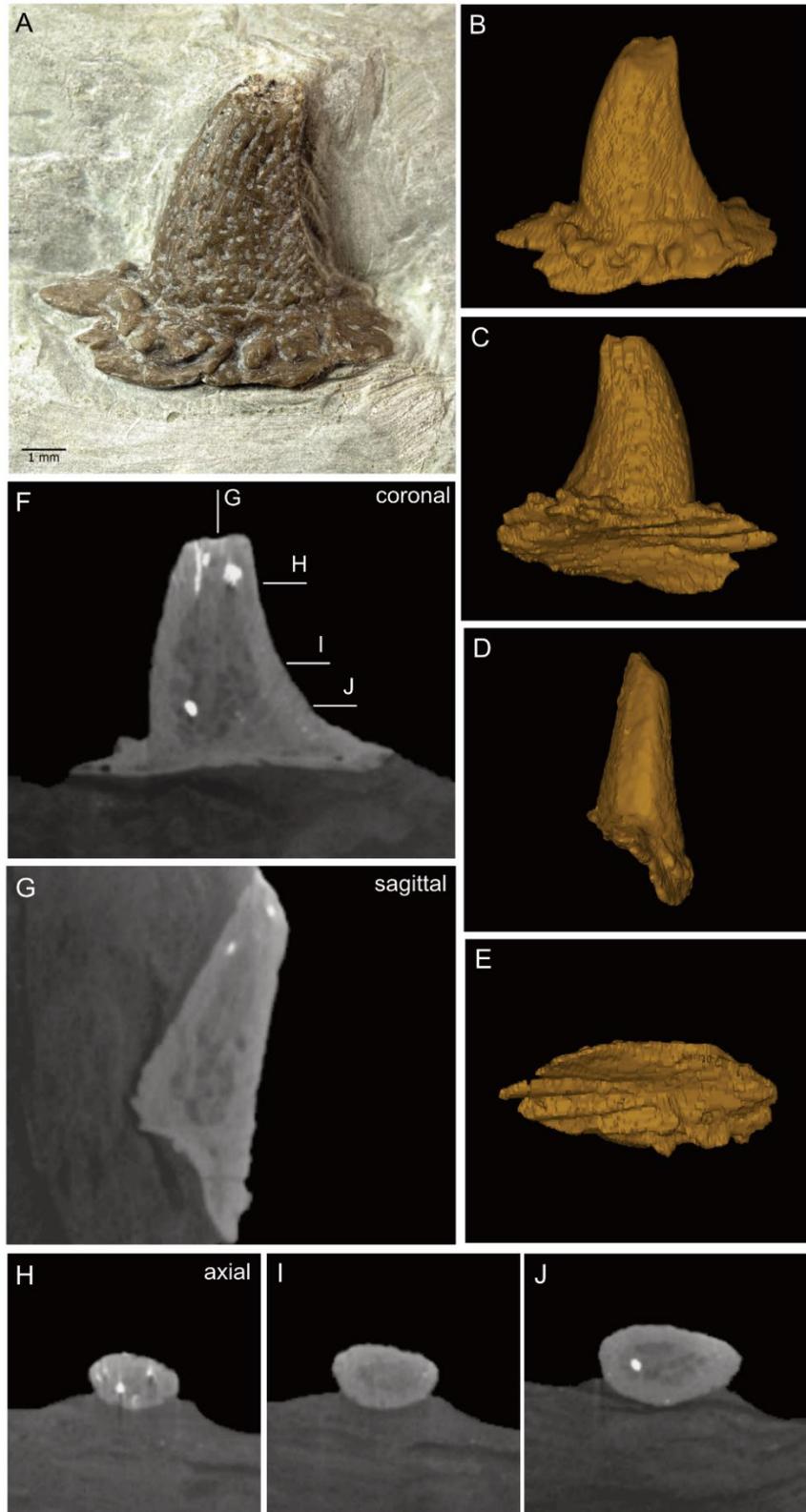


Fig. S5. Cross-section of "rib" osteoderm in **A**, normal transmitted and **B-C**, cross-polarized view. The images show details of the vascularized external cortex, with enlarged cell lacunae in granular matrix.

