Two types of bone necrosis in the Middle Triassic *Pistosaurus longaevus* bones – the results of integrated studies

Dawid Surmik\(^1\), Bruce M. Rothschild\(^2\), Mateusz Dulski\(^3\), Katarzyna Janiszewska\(^4\)

**Electronic Supplementary Material – supplementary figures S1-S4**

*with captions*

\(^1\)Park of Science & Human Evolution, 1 Maja 10, 46–040, Krasiejów, Poland and Faculty of Earth Science, University of Silesia, Będzińska 60, 41–200, Sosnowiec, Poland; dawid@surmik.pl. \(^2\)Carnegie Museum, 4400 Forbes Ave, Pittsburgh, Pennsylvania, 15213 USA; West Virginia University School of Medicine, Morgantown, West Virginia 26506, USA; spondylair@gmail.com \(^3\)Silesian Centre for Education and Interdisciplinary Research, 75 Pułku Piechoty 1A, 41–500, Chorzów, Poland, Institute of Material Science, University of Silesia, 75 Pułku Piechoty 1A, 41–500, Chorzów, Poland; mateusz.dulski@smcebi.edu.pl. \(^4\)Institute of Paleobiology, Polish Academy of Sciences, Twarda 51/55, 00–818 Warsaw, Poland; k.janiszewska@twarda.pan.pl.
Supplementary Figure S1. The specimen SUT-MG/F/Tvert/43-1 in lateral view. The right area presents the part of specimen treated with acetic acid and covers all areas with which the samples to spectral studies were taken (compare figure 1 in main text).
Supplementary Figure S2. The specimen NME 78.341 in various aspects. Courtesy Professor Siegfried Rein (Naturkundemuseum Erfurt).
Supplementary Figure S3. The specimen MHI 931 in various aspects. A pathological plaque forms islets (is) interrupted with numerous draining sinuses (ds). Courtesy Dr. Hans Hagdorn (Muschelkalkmuseum Hagdorn Ingelfingen).
**Supplementary Figure S4.** The distal view of the specimen SUT-MG/F/Tvert/43-1 and several XMT sections showing no suspected calcified cartilage remnants within the bone tissue. The voxel size equals 39.95 μm.