

New information on the cranial anatomy of the Middle Triassic rhynchosaurian reptile *Bentonyx sidensis*

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Rhynchosaurians were key herbivores over much of the world in the Middle and Late Triassic, often dominating their faunas ecologically. The anatomy of the Middle Triassic forms is debated in certain phylogenetically important details. Among several genera from the Anisian of England, *Bentonyx sidensis* is represented by a near-complete skull. New CT scanning of the holotype skull reveals previously concealed details of the palate and braincase in particular, and this allows comparison with other Middle Triassic rhynchosaurians and confirmation that *Bentonyx* is a distinct taxon from others of similar age including *Fodonyx*, *Rhynchosaurus*, *Langeronyx*, and *Stenaulorhynchus*. These are part of the first wave of rhynchosaur diversification in the Middle Triassic.

Key words: Reptilia, Rhynchosauria, *Bentonyx*, skull anatomy, Middle Triassic, Anisian, UK.

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