Dipnoan from the Upper Triassic of East Greenland and remarks about palaeobiogeography of *Ptychoceratodus*

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Here we present a description of the dipnoan remains collected from the middle to upper Norian (Upper Triassic) of Jameson Land, East Greenland. The specimens consist of isolated tooth plates and skull bones of *Ptychoceratodus*, the most complete Late Triassic dipnoan material from Greenland. This genus is reported for the first time from the Upper Triassic of Greenland. The studied material belongs to *Ptychoceratodus rectangulus* previously known from the middle–upper Norian of Germany. It fills the biogeographical gap between the records of the Germanic and the Jameson Land basins. A reconstruction of the skull roof is provided, based on isolated bones collected from the same bone-bed. Their good preservation enables recognition of the sensory line pits, arranged similarly as in the extant *Protopterus*, suggesting a comparable mode of life. This finding has implications for our understanding of the disparity in *Ptychoceratodus* dipnoans, as well as the morphology between closely related dipnoans of the Late Triassic ecosystems.

Key words: Dipnoi, *Ptychoceratodus*, Triassic, Norian, Greenland, Carlsberg Fjord Beds.

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