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Function-dependent human skull

U. Witzel¹ and H. Preuschof

- Forschungsgebiet Biomechan Bochum
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With 15 figures

Summary: Using the FEM-prog in which the flow of forces a investigated. Forces are applied ample volume is provided for th braincase, where bearings coun morphological features are cor which has a rounded, triangular loads (= bite forces) acting simu and chewing forces, there occu closely the morphological chara of stresses correspond to Toldt Aside from these stress concentr skull shows excavations: the var and inferior orbital fissure, or ca posterior molars and the pterygo nasal cavity a maxillary hiatus r not at the exact position of the bone rearward and upward. In a really existing zygomatic arch, a resultant force that is created temporal fascia. This - biolog reduction of the forces in the zv and its isolation from the skull's

The similarity between the sindicate that the skull, like the dependence from the mechanic of experimental results, the post deviate from those in the posterior.

Key words: Skull morphology, scausal morphogenesis.

Zusammenfassung: Mittels de sionales Modell konstruiert, d morphologischen Vorgaben de

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