



# XX CONGRESSO BRASILEIRO DE PALEONTOLOGIA

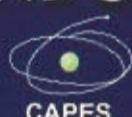
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# ANAIS

A PALEONTOLOGIA CELEBRANDO A VIDA



PETROBRAS



## CRANIAL FEATURES OF *BAURUSUCHUS SALGADOENSIS* CARVALHO, CAMPOS & NOBRE 2005, A BAURUSUCHIDAE (MESOEUCROCODYLIA) FROM THE ADAMANTINA FORMATION, BAURU BASIN, BRAZIL: PALEOICHOLOGICAL, TAXONOMIC AND SYSTEMATIC IMPLICATIONS

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Some features of the skull of **Baurusuchus salgadoensis** Carvalho, Campos & Nobre 2005, a baurusuchid Mesoeucrocodylia from the Adamantina Formation of Bauru Basin, are described, discussed and reinterpreted. The punctures and perforations of the skull of **B. salgadoensis**, one of them previously described as the antorbital fenestrae, were interpreted as tooth-marks. The probable producer is a medium or large ziphodont terrestrial archosaur, possibly a baurusuchid or Abelisauridae. The choanae of **B. salgadoensis** bears some similarities with **Stratiotosuchus**. The choanae and the palatal surfaces seem to be similar among baurusuchids, notosuchids and sphagesaurids with minor differences. This similarity is congruent with recent phylogenetic hypotheses, supporting a closer relationship among these Cretaceous Mesoeucrocodylia taxa.