

## **A review of the endocerid cephalopod *Protocyptendoceras* from the Floian (Lower Ordovician) of the Eastern Cordillera, Argentina.**

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Ordovician cephalopods from Western Gondwana are still poorly known and published data is in need of systematic and stratigraphical revision. In this work, the endocerid proterocameroceratid *Protocyptendoceras* from the Floian of the Eastern Cordillera of Argentina is revised using new material from La Ciénaga, 5 km upstream from Purmamarca. The species *P. corvalani* and *P. teichert* are considered to be junior synonyms of *P. fuenzalidae*, which is redescribed in detail and reillustrated. Specimens preserve adapical parts of isolated siphuncles, related here to the presence of endocones in a posterior portion. Evidently *P. fuenzalidae* had a nekto-benthic mode of life in a shallow water environment, oriented horizontally. Its palaeobiogeographical affinities are mainly with Floian proterocameroceratids from Eastern Gondwana, such as *Anthoceras decorum* and the related genera *Lobendoceras*, *Ventroloboceras*, and *Notocycloceras*.

**Key words:** Cephalopoda, Endocerida, Proterocameroceratidae, Floian, Ordovician, Eastern Cordillera, Argentina.

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