ACTA PALAEONTOLOGICA POLONICA

The sexual dimorphism in the Tithonian, Jurassic, simoceratid ammonite *Lytogyroceras*

Horacio Parent and Enrique Ramos-Agustino
Acta Palaeontologica Polonica 69 (3), 2024: 371-373 doi:10.4202/app.01175.2024

The family Simoceratidae Spath, 1925, lumps various formsbelonging to lineages with different roots and is clearlyparaphyletic. One of its genera is *Lytogyroceras* Spath, 1924,which stands apart from the typical forms of the familybearing strong ribbing and tubercles. The sexual dimorphismof *Lytogyroceras* was supposed to be based only onadult size differences. Here we describe a recently collectedlappeted microconch of *Lytogyroceras subbeticum* (Olóriz,1978) from the Ponti Zone of Carchelejo (southern Spain).This microconch shows that the sexual dimorphism in thegenus *Lytogyroceras* is not only characterized by differentadult size of the sexes as formerly assumed, but also by differentadult peristome morphology.

Horacio Parent [parent@fceia.unr.edu.ar; ORCID: https://orcid.org/0009-0007-0346-9372], Laboratorio de Paleontología, IFG, Facultad de Ingeniería, Universidad Nacional de Rosario, Pellegrini 250, 2000 Rosario, Argentina. Enrique Ramos-Agustino [eramosagus@gmail.com], C/Federico Castillo, 8.23005, Jaén, España.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see creativecommons.org), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Full text (369.9 kB)