

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

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

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