A new basal iguanodont (Dinosauria: Ornithischia) from the Wealden (Lower Cretaceous) of England

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Abstract

A nearly complete right dentary originally noted by Mantell in 1848 is redescribed. The specimen, NHMUK 28660, was discovered in a quarry near Cuckfield, West Sussex, from the same formation as the original teeth of Iguanodon anglicus. Fresh examination reveals that NHMUK 28660 exhibits a single autapomorphy (a row of foramina extending from the ventral surface of the symphysis onto the lateral surface of the dentary) and a unique combination of characters that distinguish it from all other iguanodontian dentaries. In light of this and because I. anglicus is regarded as a nomen dubium to which additional material cannot be unambiguously referred, NHMUK 28660 is made the holotype of the new genus and species Kukufeldia tilgatensis.

Key words: Kukufeldia tilgatensis gen. et sp. nov., Iguanodon anglicus, Styracosterna, Grinstead Clay Member, Lower Cretaceous, Cuckfield