Mexican Pliocene cervids are very poorly known. We report on new fossil material of the roe deer *Capreolus constantini* recovered from the Pliocene Atotonilco El Grande Formation of Santa María Amajac, Hidalgo (central Mexico). The specimens were collected from a series of layers of friable to moderately indurated polymictic conglomerate supported by a sandstone-tuffaceous-calcareous matrix. This species was formerly known only from the late Pliocene of Udunga, Russia, thus implying a dispersal event to North America around 4.0 Ma. This cervid is one of the very small number of mammals recorded from the poorly sampled Pliocene temperate deposits of Mexico.

**Key words:** Cervidae, Capreolus, Hidalgo, Pliocene, Mexico.

Eduardo Jiménez-Hidalgo [eduardojh@zicatela.umar.mx], Laboratorio de Paleobiología, campus Puerto Escondido, Universidad del Mar, Carretera Puerto Escondido–Oaxaca km 2.5, CP 71980, Oaxaca, México; Victor M. Bravo-Cuevas [vbravo@uaeh.edu.mx], Museo de Paleontología, Área Académica de Biología, Universidad Autónoma del Estado de Hidalgo, Ciudad del Conocimiento s/n, Carretera Pachuca–Tulancingo km 4.5, CP 42184, Pachuca, Hidalgo, México.

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