

## Outlineoffungi.org - Note 1427 *Testudinimyces*

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***Testudinimyces*** C.J. Pratt, E.E. Chandler, N.H. Youssef & Elshahed

The monotypic genus *Testudinimyces* was introduced Pratt et al. (2023) under *Neocallimastigaceae* (*Neocallimastigomycetes*, *Neocallimastigomycotina*, *Neocallimastigomycota*) to accommodate *T. gracilis* C.J. Pratt, E.E. Chandler, N.H. Youssef & Elshahed as the type species based on morphology and phylogenetic analyses using LSU, *rpb1*, and ITS1 sequence data. The type species was isolated from fecal samples of the Burmese star tortoise in Oklahoma (Pratt et al. 2023). This newly established genus with a filamentous, anaerobic taxon is characterized by its polycentric thallus development, thin nucleated hyphae, globose sporangia, and monoflagellated zoospores. This genus forms dense growth in cellobiose-containing liquid medium.

### Reference

Pratt CJ, Chandler EE, Youssef NH, Elshahed MS. 2023 – *Testudinimyces gracilis* gen. nov, sp. nov. and *Astrotestinomyces divisus* gen. nov, sp. nov., two novel, deep-branching anaerobic gut fungal genera from tortoise faeces. *International Journal of Systematic and Evolutionary Microbiology* 73(5), 005921.

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