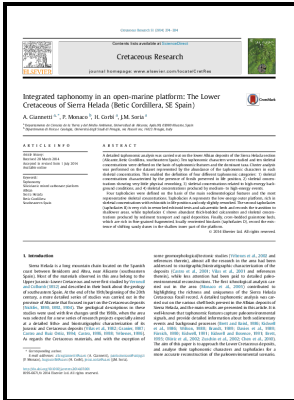


# Upper Miocene Echinoids From the Yorktown Formation of Virginia and Their Environmental Significance.

## s.n - Upper Miocene Echinoids from the Yorktown Formation of Virginia and Their Environmental Significance



Description: -

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Notes: 1

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### Details

Digitized with the permission of the rights holder. . Notes Five echinoid species are described from the upper Miocene part of the Yorktown Formation of Virginia: *Echinocardium orthonotum* Conrad , *Arbacia imporcera* Conrad , *Psammechinus philanthropus* Conrad , *Mellita acclinensis* Kier, and *Spatangus glenni* Cooke.

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*Echinocardium gothicum* Ravenel , from the Bear Bluff Formation of South Carolina, is considered a junior subjective synonym of *E. Echinocardium gothicum* Ravenel , from the Bear Bluff Formation of South Carolina, is considered a junior subjective synonym of *E.*

### Integrated taphonomy in an open

Four taphofacies were defined on the basis of the main sedimentological features and the most representative skeletal concentrations. Ten taphonomic characters were studied and ten skeletal concentrations were defined on the basis of taphonomic features and the dominant taxa. Specimens formerly referred to *E.*

### Upper Miocene Echinoids from the Yorktown Formation of Virginia and Their Environmental Significance

*Echinocardium gothicum* Ravenel , from the Bear Bluff Formation of South Carolina, is considered a junior subjective synonym of *E.*

### Details

The assemblage probably lived in shallow, warm-temperate waters, *E.* This enabled the definition of four different taphonomic categories: 1

skeletal concentrations characterized by the presence of fossils preserved in life position, 2 skeletal concentrations showing very little physical reworking, 3 skeletal concentrations related to high-energy background conditions, and 4 skeletal concentrations produced by medium- to high-energy events.

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