

Closterium dianae* var. *pseudodianae

(Roy) Krieger, 1935

Most likely ID: n.a.

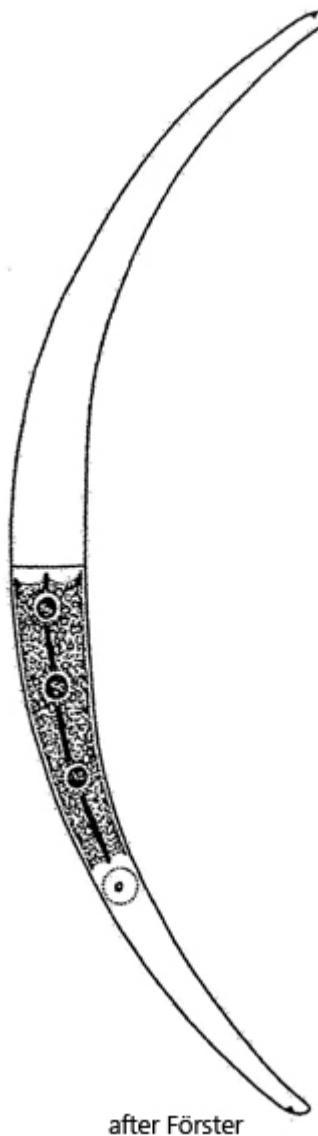
Synonym: *Closterium pseudodianae*

Sampling location: [Schwemm Moor \(Austria\)](#)

Phylogenetic tree: [*Closterium dianae* var. *pseudodianae*](#)

Diagnosis:

- cell crescent-shape, 14-21 times longer than wide
- apices obliquely truncated with a terminal pore
- inner margin sometimes straight in mid-region
- length 150-260 µm, width 14-18 µm
- cell wall smooth without striation
- two chloroplasts, each with 3-5 longitudinal ridges
- several pyrenoids arranged along cell axis
- girdle bands absent
- terminal vacuoles with several crystals
- nucleus central



Closterium dianae var. *pseudodianae*

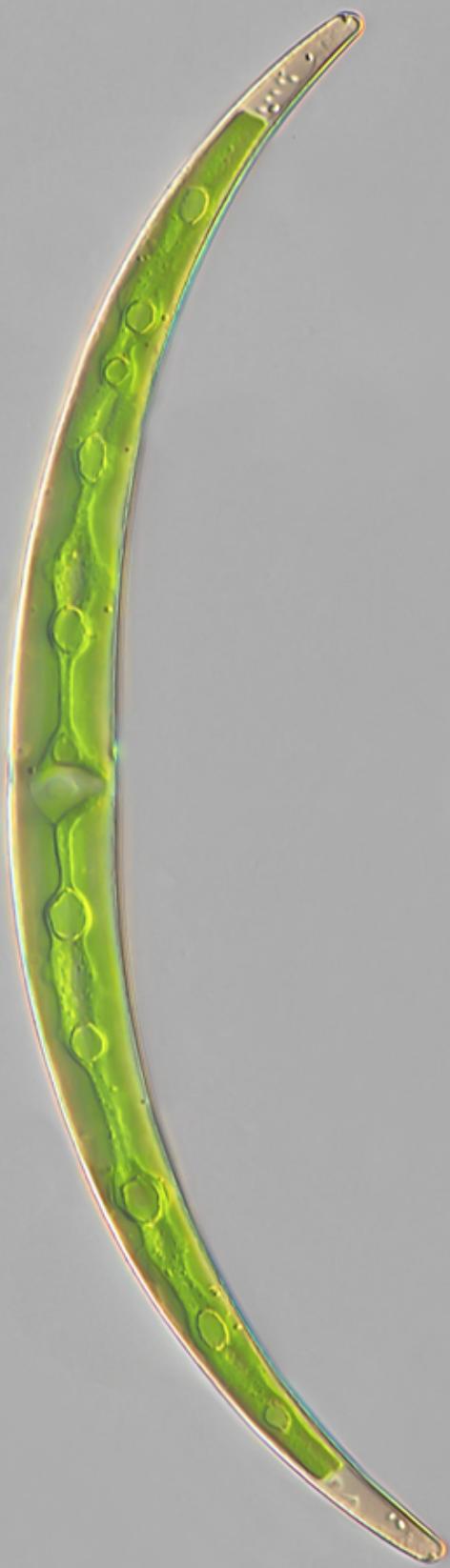
I found several specimens of *Closterium dianae* var. *pseudodianae* in an old sample from the [Schwemm Moor](#). The cells are more slender and curved compared to the basic form [Closterium dianae](#).

To distinguish it from the similar varieties *Closterium dianae* var. *arcuatum* and *Closterium dianae* var. *minus*, it is necessary to measure the length and width of the cells. *Closterium dianae* var. *arcuatum* is significantly longer at over 350 µm, and *Closterium dianae* var. *minus* is clearly smaller at under 150 µm in length. In addition, *Closterium dianae* var. *arcuatum* is also wider in the middle of the cell at 20-30 µm than *Closterium dianae* var. *pseudodianae*.

Closterium dianae var. *pseudodianae* has so far only been detected in Austria in

Lake Neusiedl by Kusel & Fetzmann (1974). In Germany, the species has been found, for example, in the Harz National Park (Reinecke, 2022). In general, the species is considered rare.

Closterium dianae var. *pseudodianae*
Obj. 60 X



a



b

Fig. 1 a-b: *Closterium dianae* var. *pseudodianae*. L = 242 μ m. Two focal planes of a

specimen found in the [Schwemmoor](#). In the middle the cell is 15 μm wide. Obj. 60 X.



Fig. 2 a-b: *Closterium dianae* var. *pseudodianae*. L = 242 μm . Focal plane on the nucleus (Nu) and on the smooth cell wall. PY = pyrenoid. Obj. 100 X.

Closterium dianae var. pseudodianae
Obj. 100 X



Fig. 3: *Closterium dianae* var. *pseudodianae*. The distinct porus (PO) of the apex.
Obj. 100 X.