Squatinella rostrum (Schmarda, 1846)

Most likely ID: n.a.

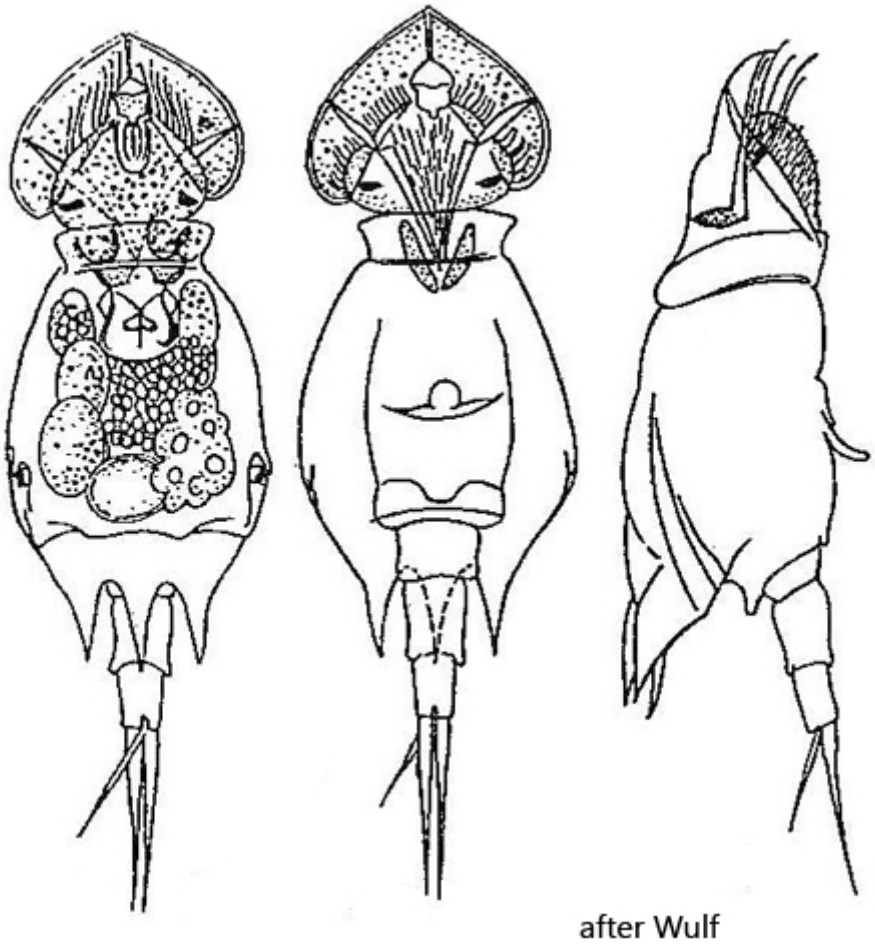
Synonym: n.a.

Sampling location: Simmelried

Phylogenetic tree: *Squatinella rostrum*

Diagnosis:

- lorica oval with three distinct dorsal spines
- head shield smmoth and circular
- length 150–217 µm
- ventral shield present
- foot with three segments
- a spine on the third foot segment, directed dorsally
- equal pair of slender, pointed toes



Squatinella rostrum

So far I have only found *Squatinella rostrum* in the Simmelried, mainly between floating and decomposing plant masses. The species is easy to recognize in the samples due to the typical three spines on the dorsal side (s. figs. 1 d and 2). Specimens are also frequently found on the floating coverslip, which can then be observed from the ventral side.

Squatinella rostrum can be confused with the similar species *Squatinella tridentata*. *Squatinella tridentata*, however, has no spine on the third segment of the foot (s. fig. 3).

Further images and information on *Squatinella rostrum*: Michael Plewka-Freshwater life-*Squatinella rostrum*

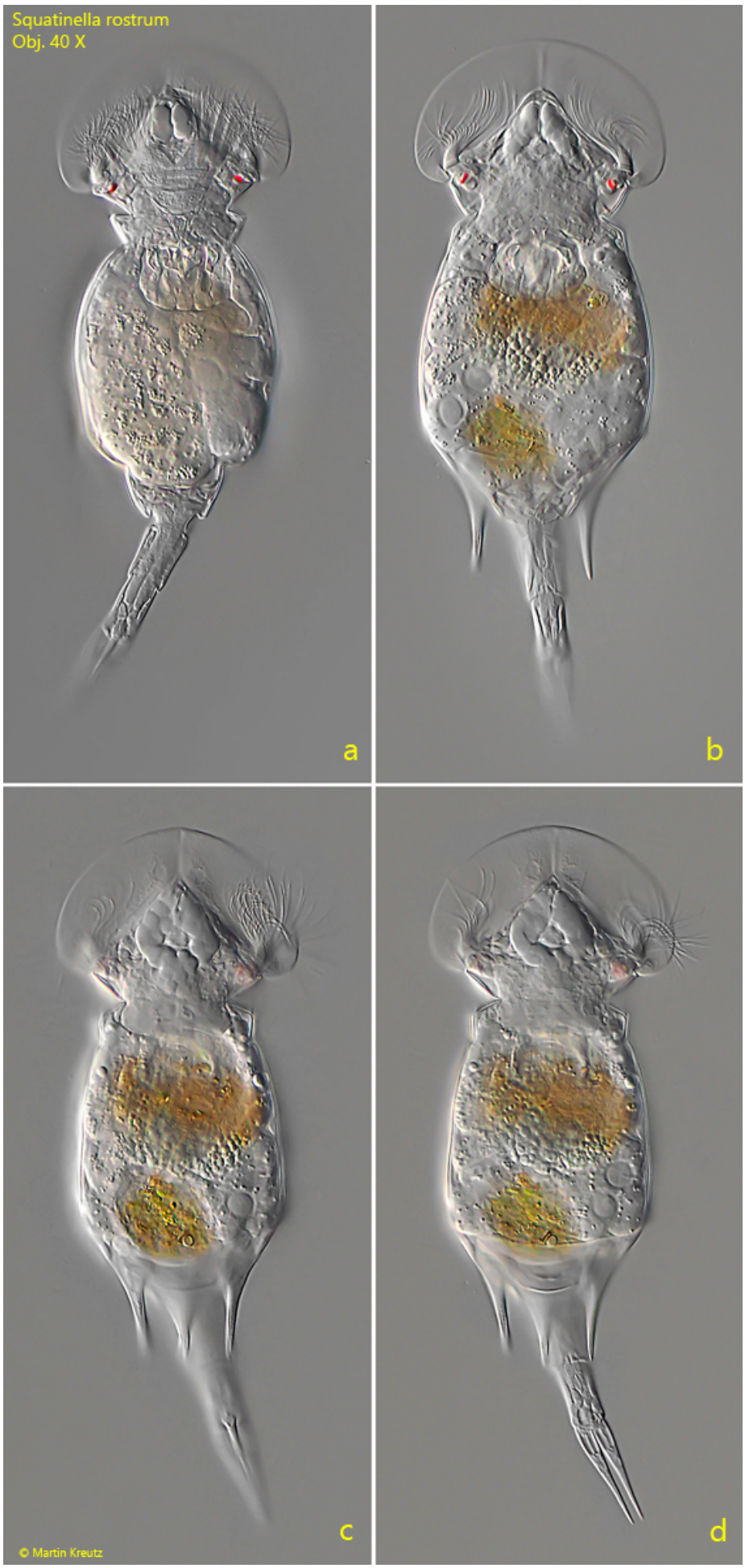

Squatinella rostrum
Obj. 40 X
a
b
c
d
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Fig. 1 a-d: *Squatinella rostrum*. L = 190 µm. Different focal planes of a freely swimming specimen from dorsal. Obj. 40 X.

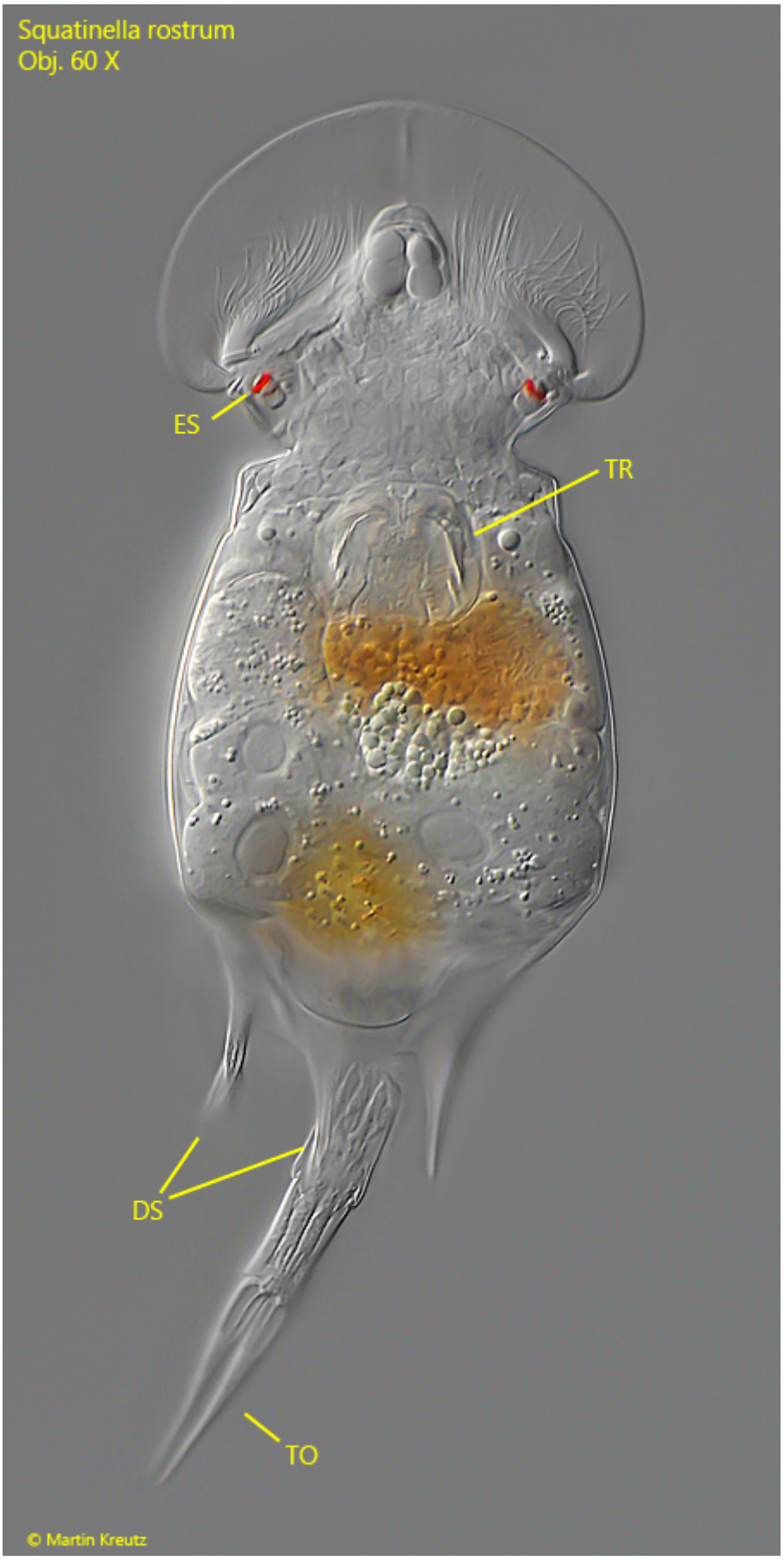

Fig. 2: *Squatinella rostrum*. L = 190 µm. The slightly squashed specimen as shown in fig. 1 a-d. Note the three distinct dorsal spines (DS). ES = eyespot with lense, TO = toes, TR = trophi. Obj. 60 X

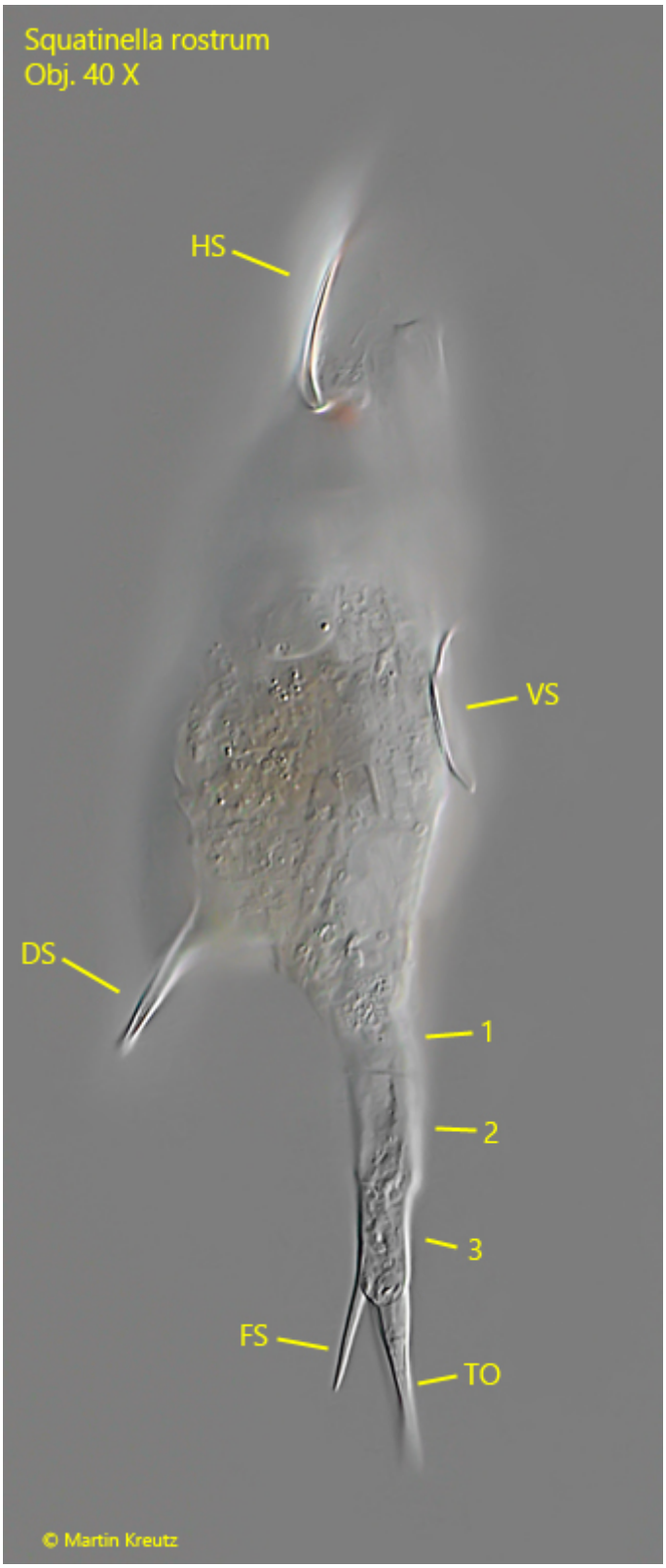

Fig. 3: *Squatinella rostrum*. L = 206 µm. Lateral viel of a freely swimming specimen. Note the spine (FS) on the third segment of the tripartite foot (1–3). DS = dorsal spines, HS = head shield, TO = toes, VS = ventral shield. Obj. 40 X.

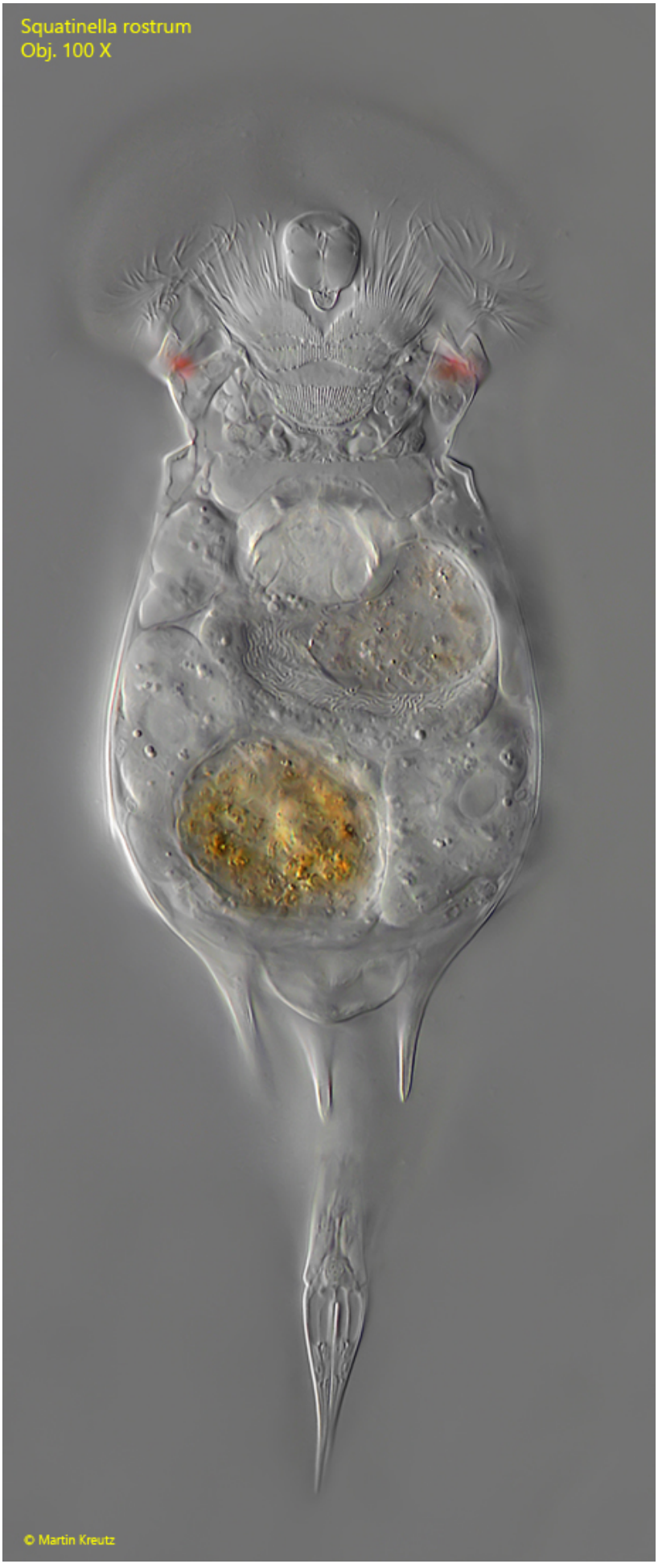
Squatinella rostrum
Obj. 100 X
© Martin Kreutz

Fig. 4: *Squatinella rostrum*. L = 182 µm. Ventral view of a slightly squashed specimen. Obj. 100 X.

Fig. 5: *Squatinella rostrum*. Focal plane on the eyespots (ES) with lenses (LE) from ventral. Obj. 100 X.

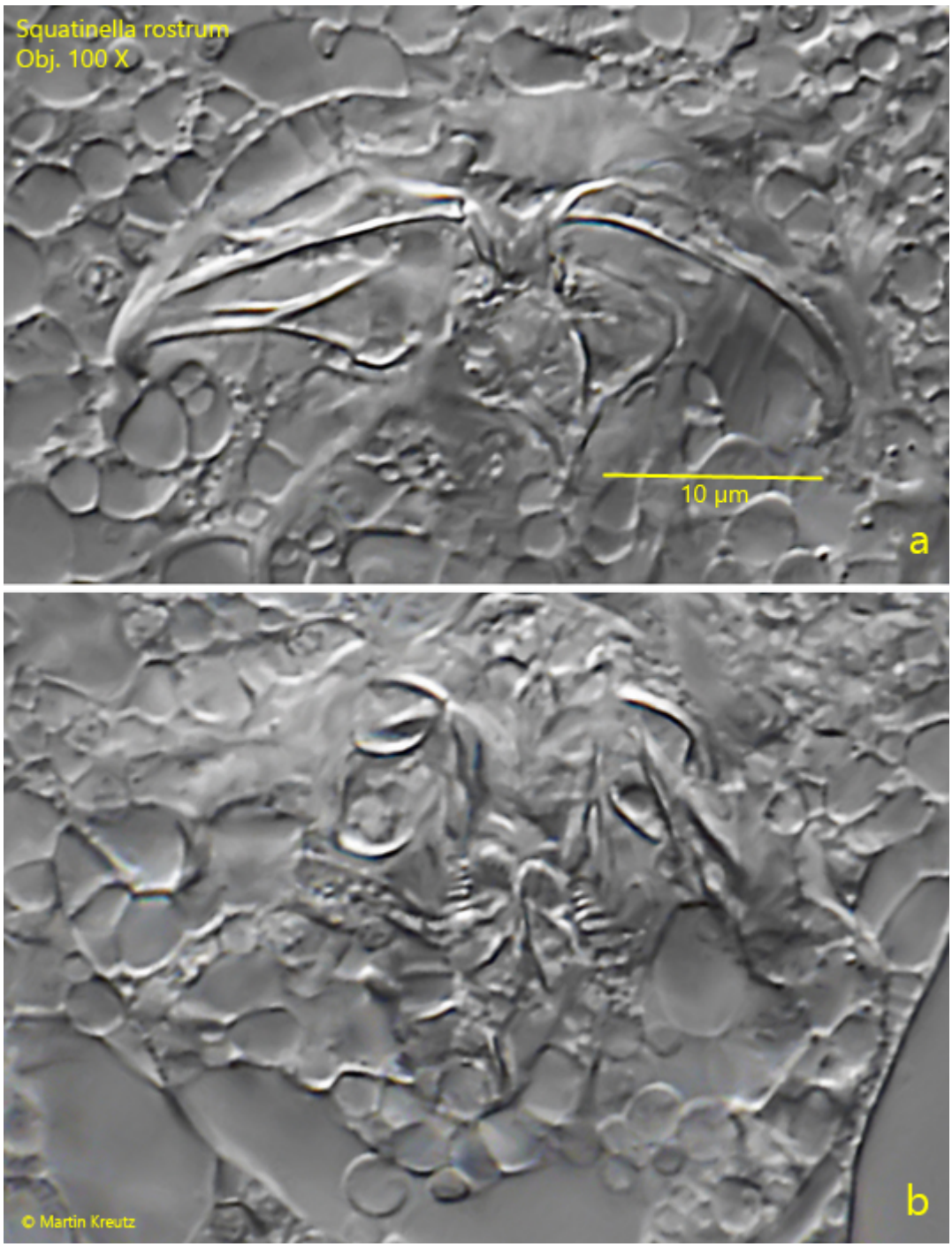

Fig. 6: *Squatinella rostrum*. Two focal planes of the trophi in a strongly squashed specimen. Obj. 100 X.