

***Euchlanis dilatata* Ehrenberg, 1832**

Most likely ID: n.a.

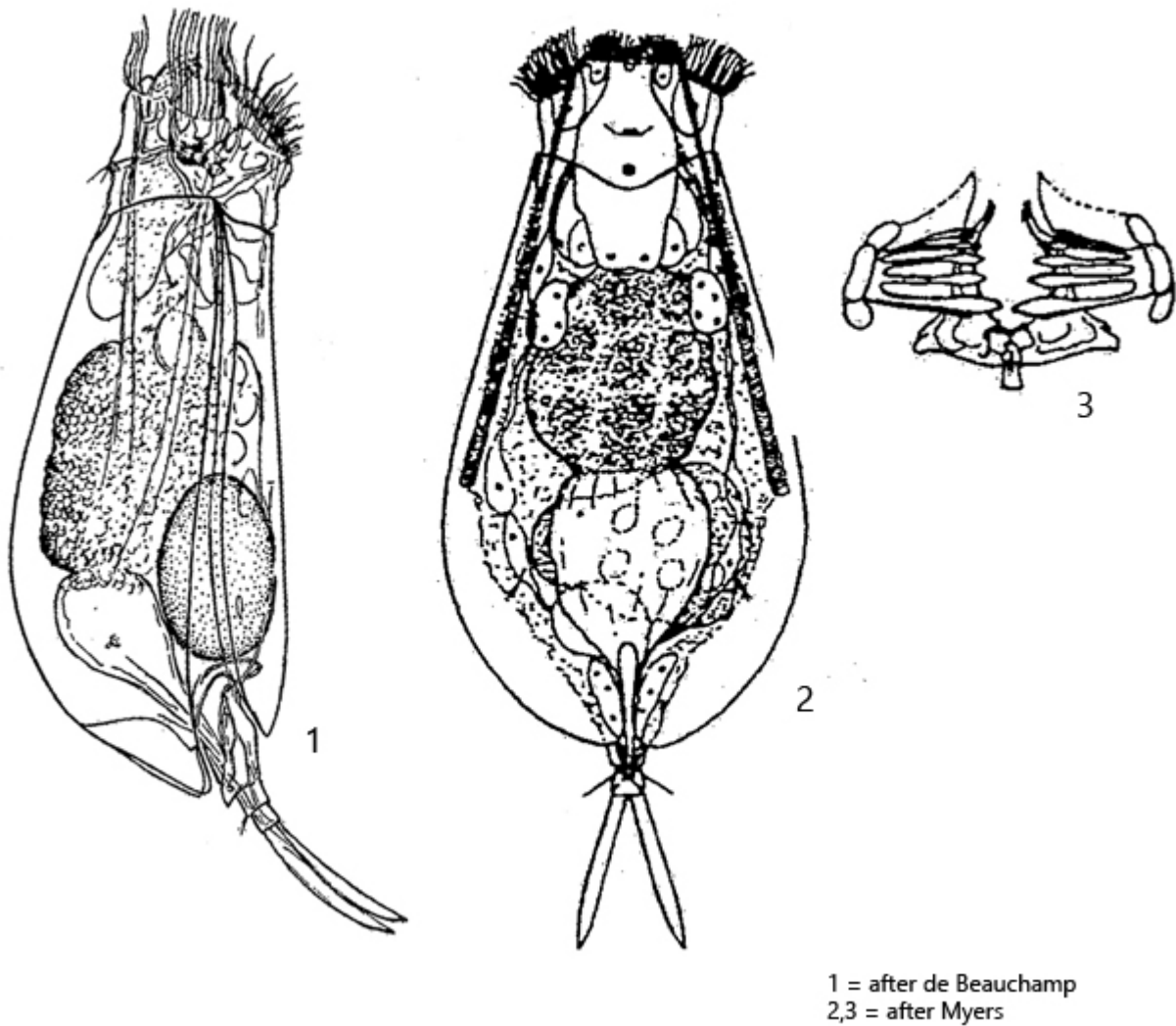
Synonym: n.a.

Sampling location: [Purren pond](#), [Mainau pond](#), [Ulmisried](#), [Bussenried](#), [Bündlisried](#), [Simmelried](#)

Phylogenetic tree: [Euchlanis dilatata](#)

Diagnosis:

- body ovoid
- dorsal plate in cross-section arc of a circle, with U-shaped notch posteriorly
- ventral plate little smaller than dorsal plate, broadly rounded posteriorly
- length of lorica 150–320 µm, width 130–255 µm
- slender toes 50–100 µm long, parallel sided with a short tip
- trophi with 8 club-shaped teeth (4 per uncus)
- a pair of setae at the distal end of first foot segment
- one eyespot with lens



Euchlanis dilatata

I find *Euchlanis dilatata* in almost all my sampling sites, mainly between floating water plants. Essential for its identification is the shape of the dorsal and ventral plate. In *Euchlanis dilatata* the dorsal plate is evenly curved in cross section, like a circular section and without keel. The ventral plate is smaller than the dorsal plate and evenly, broadly rounded at the posterior end. The long toes are narrow and parallel-sided. This rotifer feeds on diatoms, desmids and small algae.

More images and information on *Euchlanis dilatata*: [Michael Plewka-Freshwater life-Euchlanis dilatata](#)

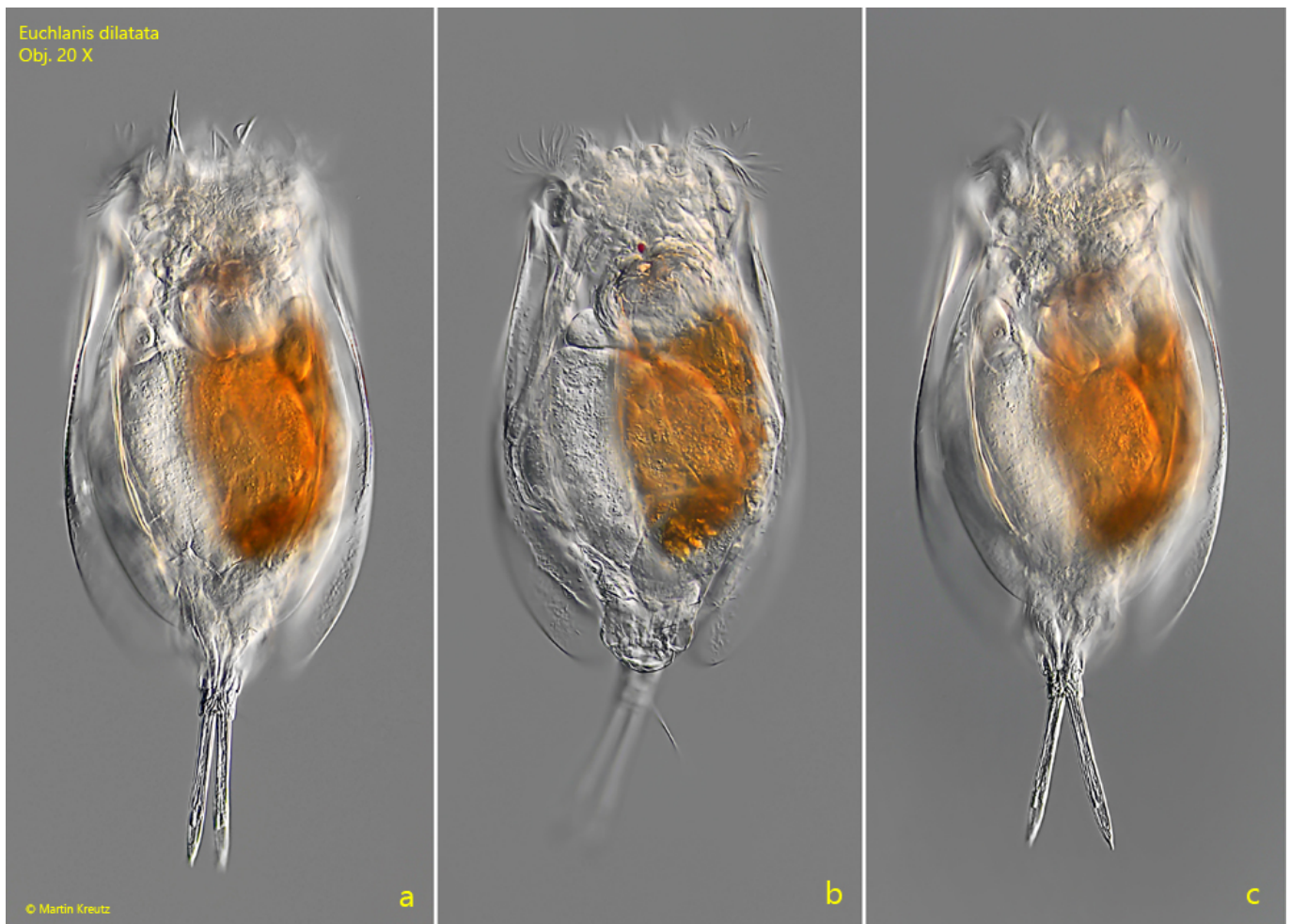


Fig. 1 a-c: *Euchlanis dilatata*. L = 315 μm (of lorica). Three focal planes of a freely swimming specimen. Obj. 20 X.



Fig. 2 a-b: *Euchlanis dilatata*. L = 274 μ m (of lorica). Two focal planes from ventral. Note that the ventral plate (VP) is smaller than the dosal plate (DP). Obj. 40 X.



Fig. 3: *Euchlanis dilatata*. Dorsal view with the dorsal antenna (DA) and one of the two lateral antennae (LA). NT = nephridial tubes. Obj. 40 X.

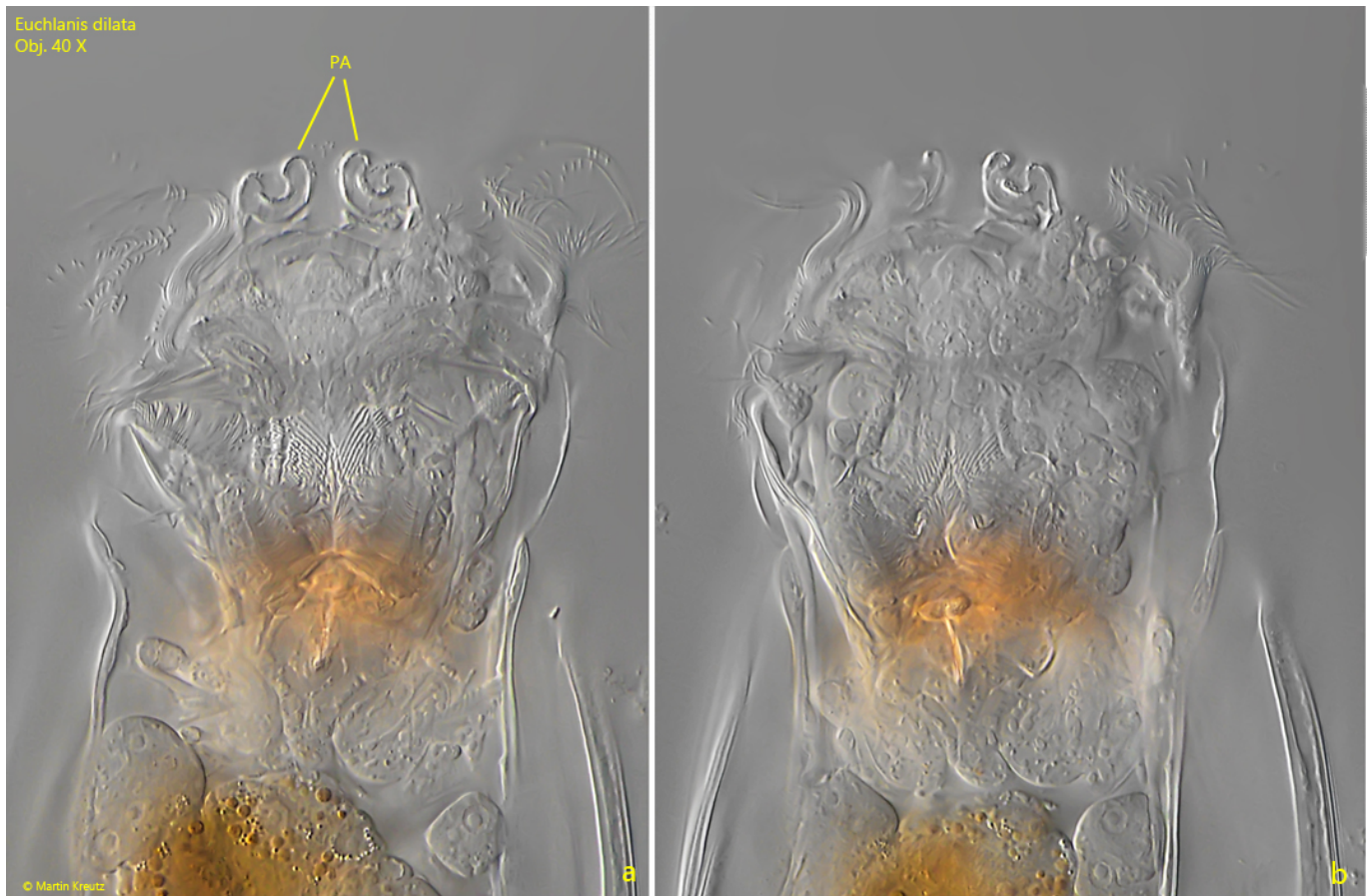


Fig. 4 a-b: *Euchlanis dilatata*. A freely swimming specimen from ventral. Apically two curved palps (PA) are visible. Obj. 40 X.

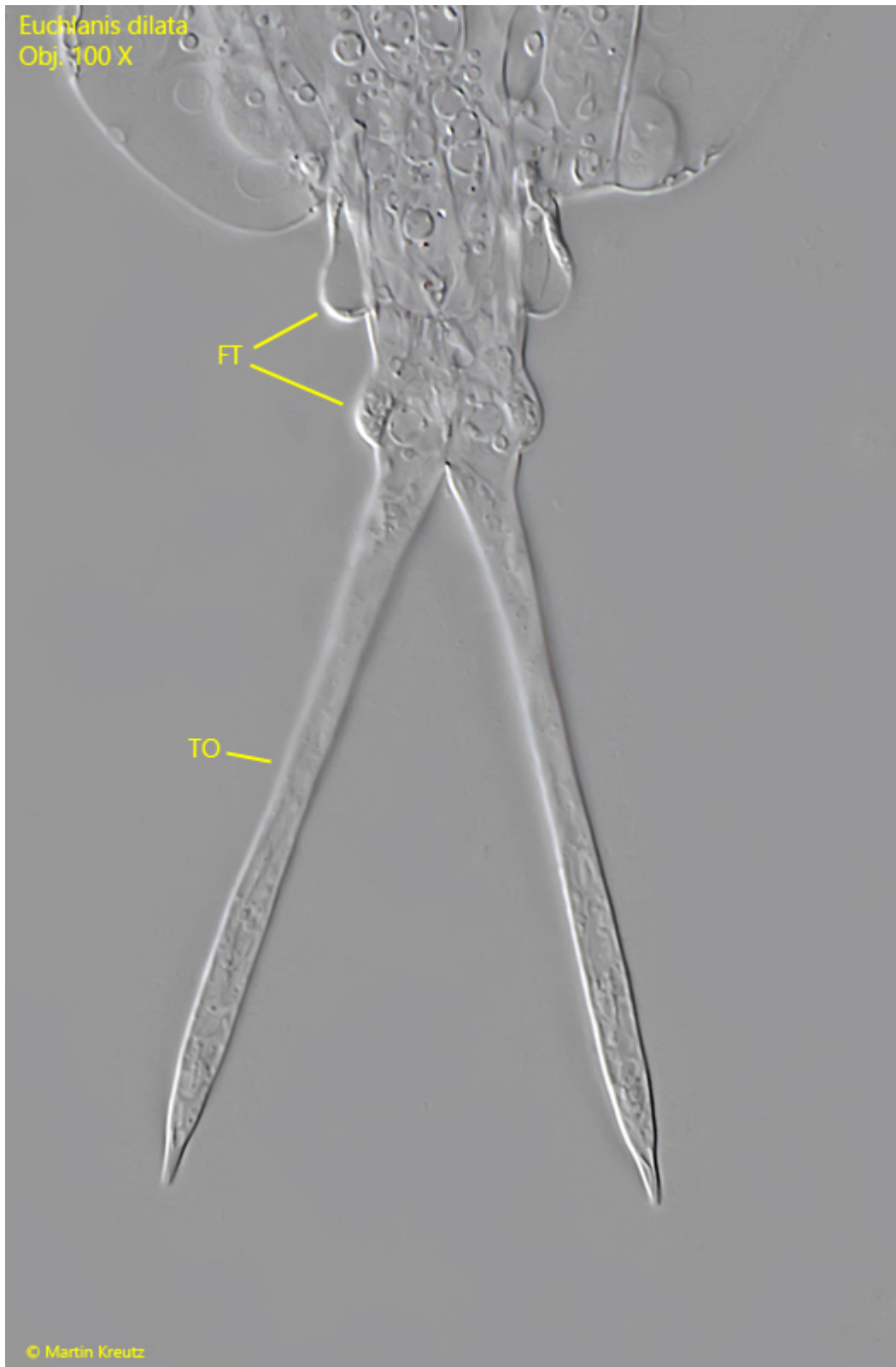


Fig. 5: *Euchlanis dilatata*. The foot (FT) and the toes (TO) in a squashed specimen. The toes have a length of 61 μm . Obj. 100 X.



Fig. 6: *Euphlantis dilatata*. The red eyespot (ES) with a lens (LE) in a strongly squashed specimen. Obj. 60 X.

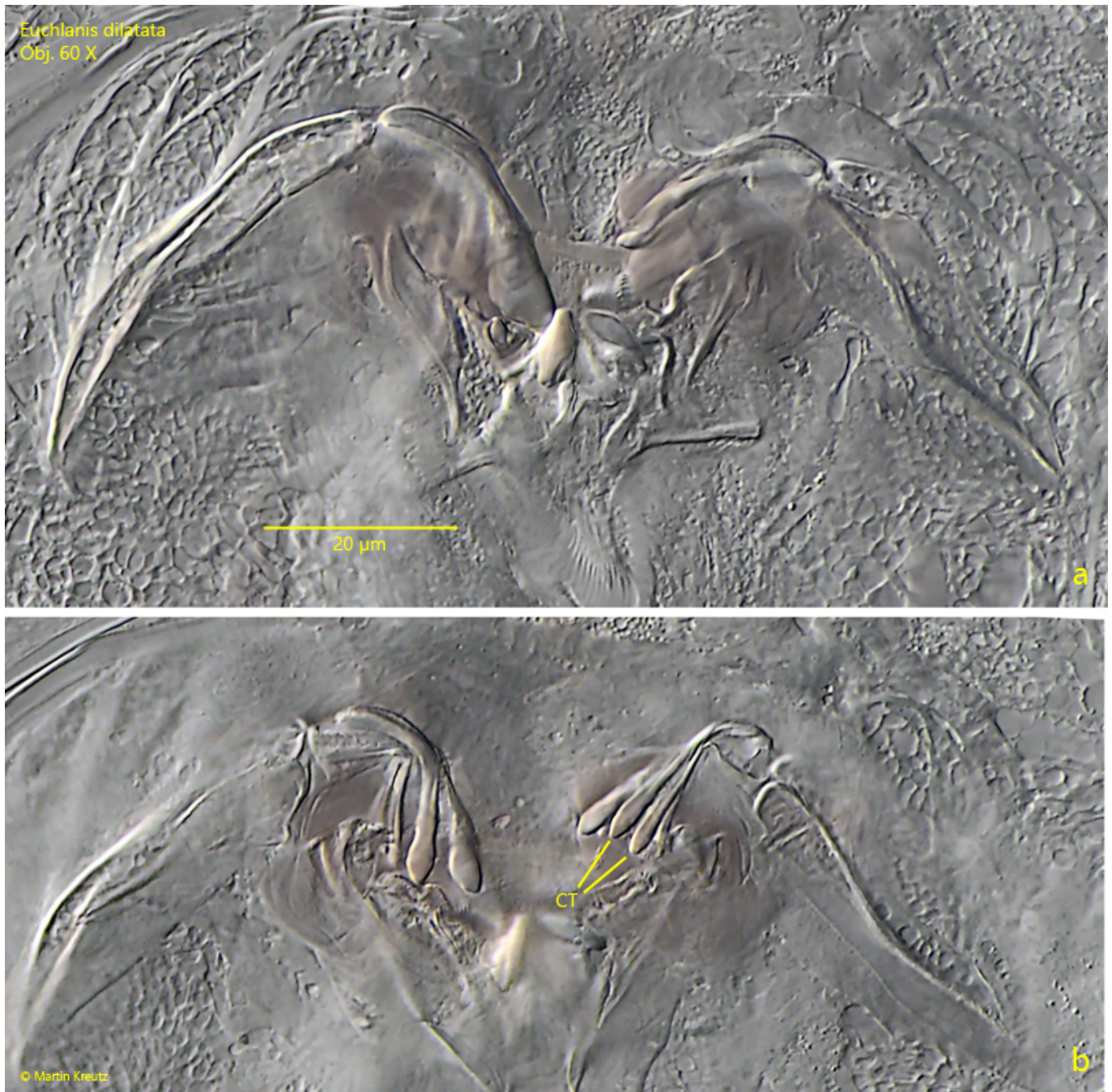


Fig. 7 a-b: *Euchlanis dilatata*. Two focal planes of the trophi in a strongly squashed specimen. Note the club-shaped teeth (CT) of the uncini. Obj. 60 X.