

***Lepadella punctata* (Wulfert, 1939)**

**Most likely ID:** n.a.

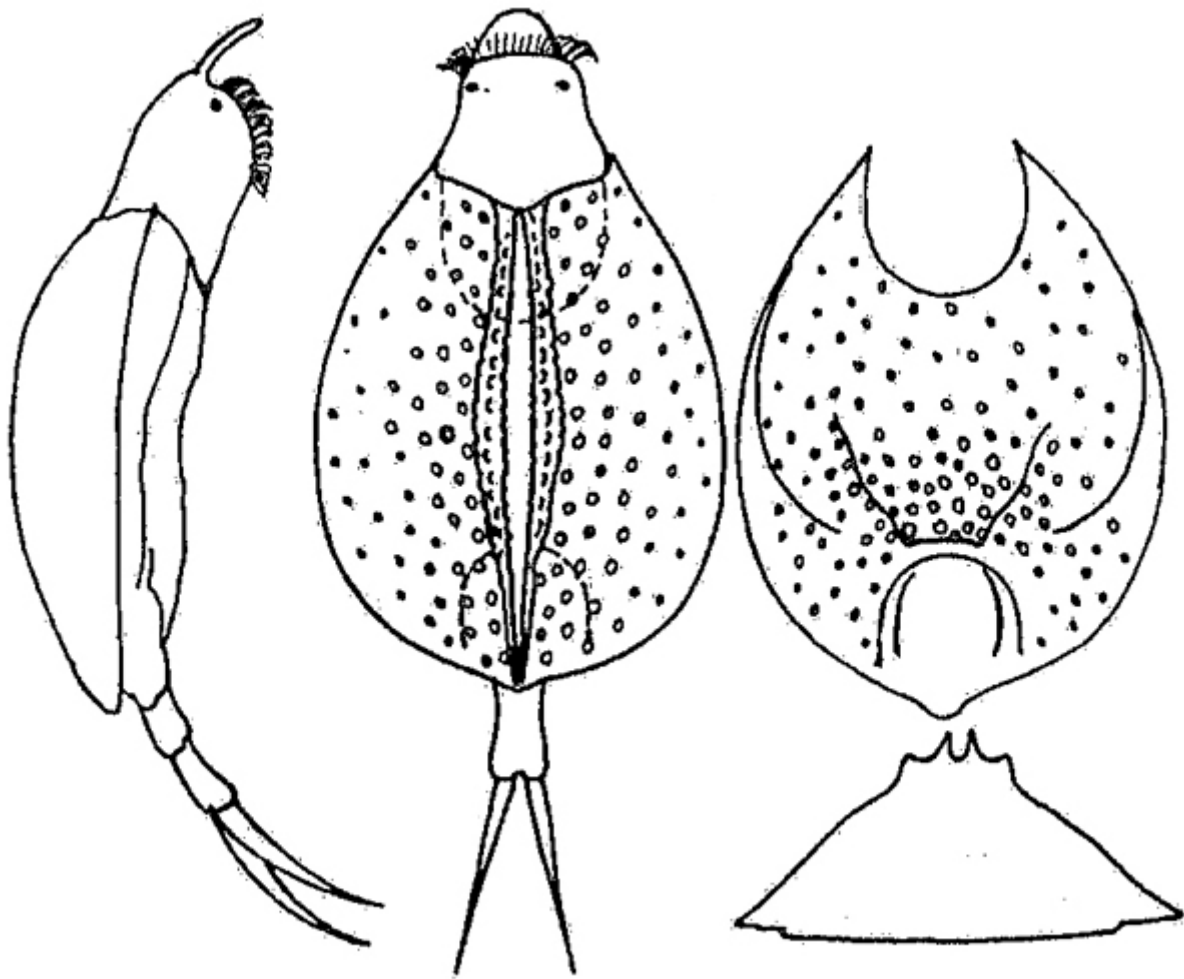
**Synonym:** n. a.

**Sampling location:** [Bussenried](#), [Simmelried](#)

**Phylogenetic tree:** [Lepadella punctata](#)

**Diagnosis:**

- lorica subcircular to widely ovate
- lorica with circular humps (ventrally and dorsally), humps become smaller towards lateral sides
- length of lorica ~ 80 µm, width ~ 65 µm
- dorsal side with 2 keels and 2 secondary keels
- ventral sinus semicircular
- 2 eyespots
- three foot segments, toes pointed



after Wulfert

*Lepadella punctata*

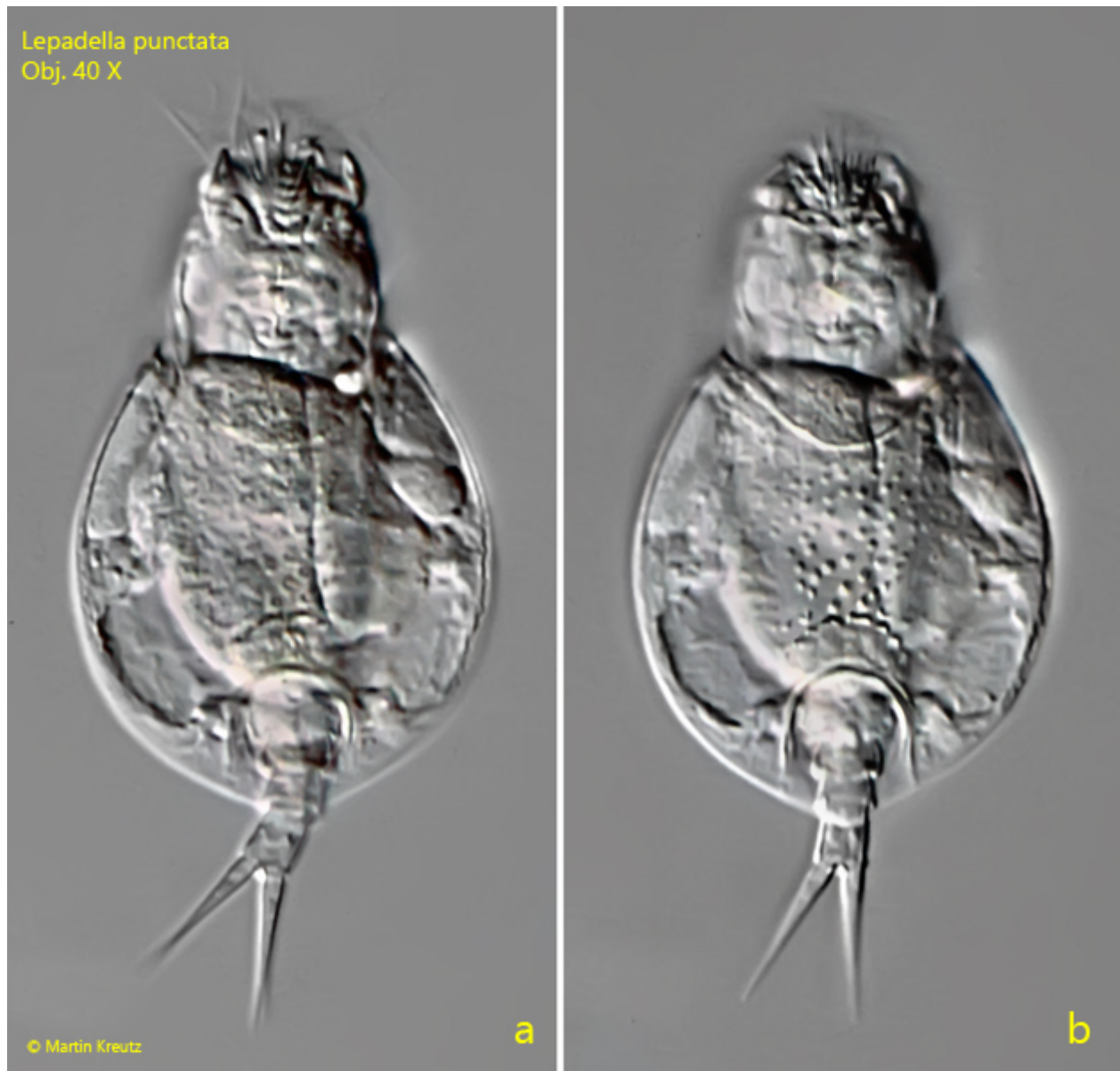
*Lepadella punctata* has been found only very rarely. According to Koste, 1978 (s. [Literature](#)) only 2 specimens were found. In my sites Simmelried and Bussenried I find the species regularly. I have the following records:

Dec 1997 : Simmelried  
 Mar 2008 : Simmelried  
 May 2008 : Simmelried  
 May 2010 : Simmelried  
 Jun 2014 : Simmelried  
 Aug 2021 : Bussenried

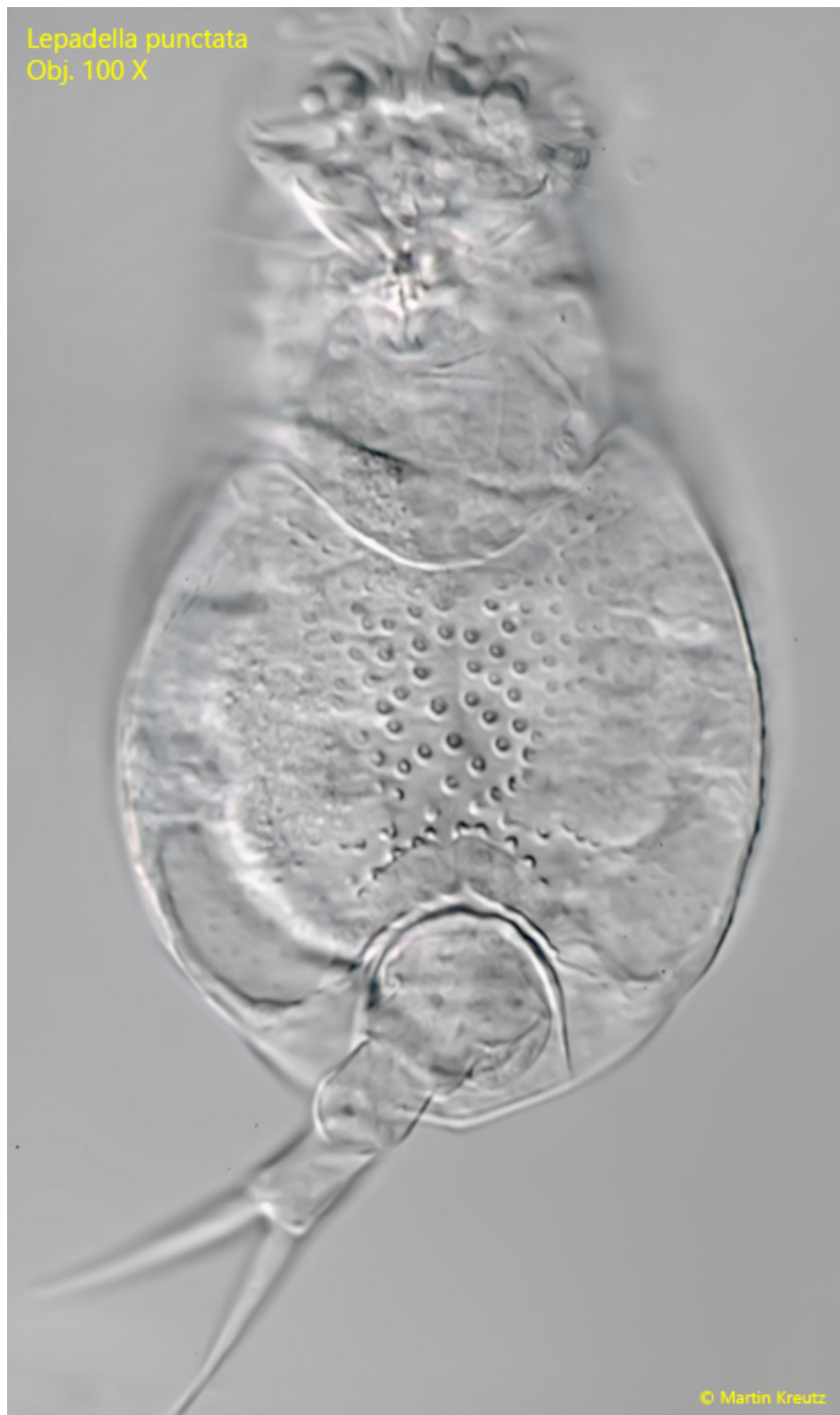
In my population the length of the lorica was between 52 and 69  $\mu\text{m}$ , so slightly smaller than given by Wulfert. I could not document exactly the dorsal side of the lorica with the four keels, but I could recognize the two larger main keels (s. fig. 5a). The ornamentation of the

ventral side appears to be almost crust-like in freely swimming specimens (s. fig. 4 a-b). Above the foot opening there is a semicircular arch of round humps (s. fig. 2). The round humps of the ventral lorica are thus arranged in a defined way and not “statistically” arranged as Wulfert drew it.

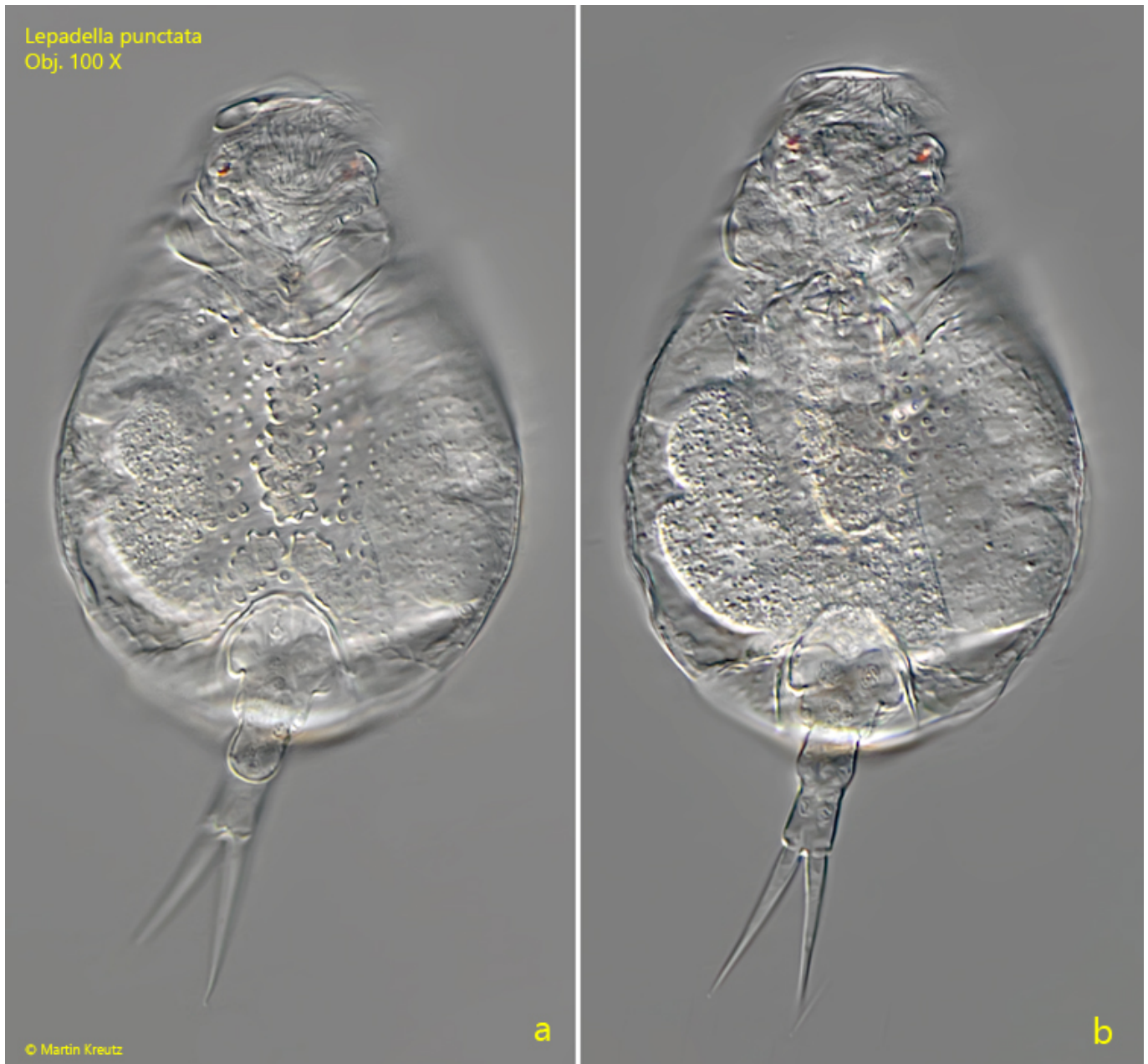
More images and information of *Lepadella punctata*: [Michael Plewka-Freshwater life-Lepadella punctata](#)



**Fig. 1 a-b:** *Lepadella punctata*. L = 52  $\mu\text{m}$  (of the lorica). Ventral view of a freely swimming specimen found in Dec 1997. Obj. 40 X.

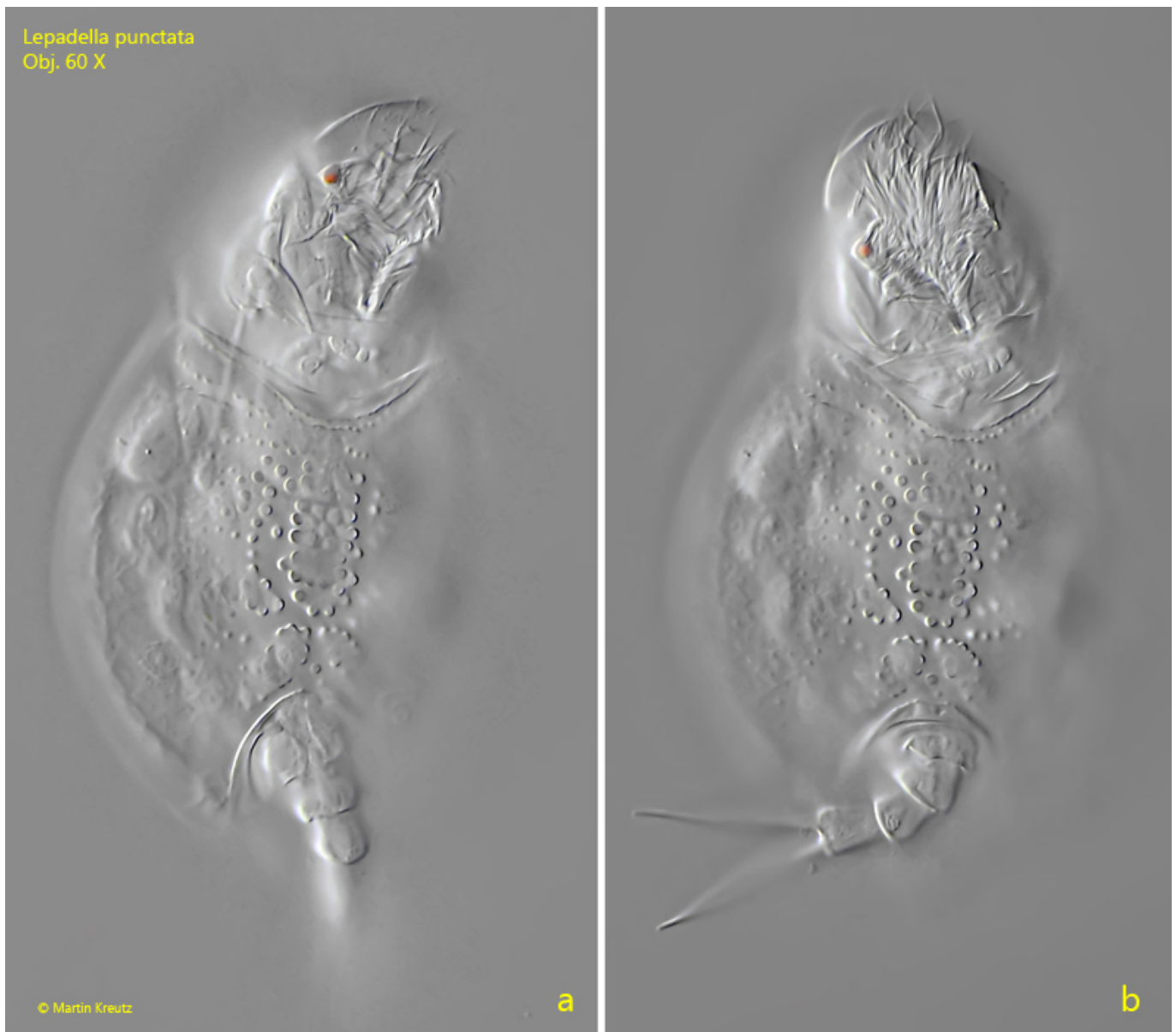


**Fig. 2:** *Lepadella punctata*. L = 52  $\mu\text{m}$  (of the lorica). The squashed specimen shown in fig. 1 with the ornamentation of the ventral lorica with circular humps in detail. Obj. 100 X.

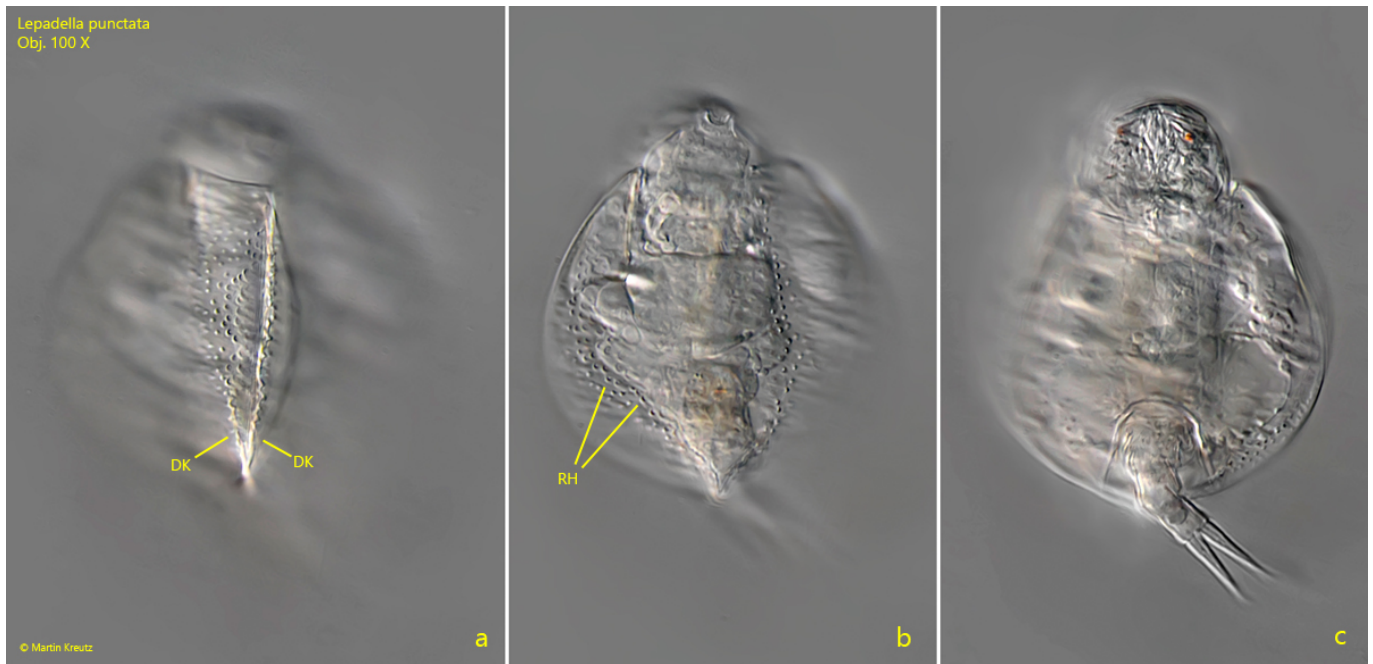


**Fig. 3 a-b:** *Lepadella punctata*. L = 63  $\mu$ m (of the lorica). Two focal planes from ventral of a second specimen found in May 2010. Obj. 100 X.





**Fig. 4 a-b:** *Lepadella punctata*. L = 69  $\mu\text{m}$  (of the lorica). Ventral view of a third freely swimming specimen found in August 2021. Obj. 60 X.



**Fig. 5 a-c:** *Lepadella punctata*. L = 60  $\mu\text{m}$  (of the lorica). Dorsal view of a slightly squashed specimen. Note the double keel (DK) and the round humps also present on the dorsal side. Obj. 100 X.