

***Lepadella punctata* Wulfert, 1939**

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

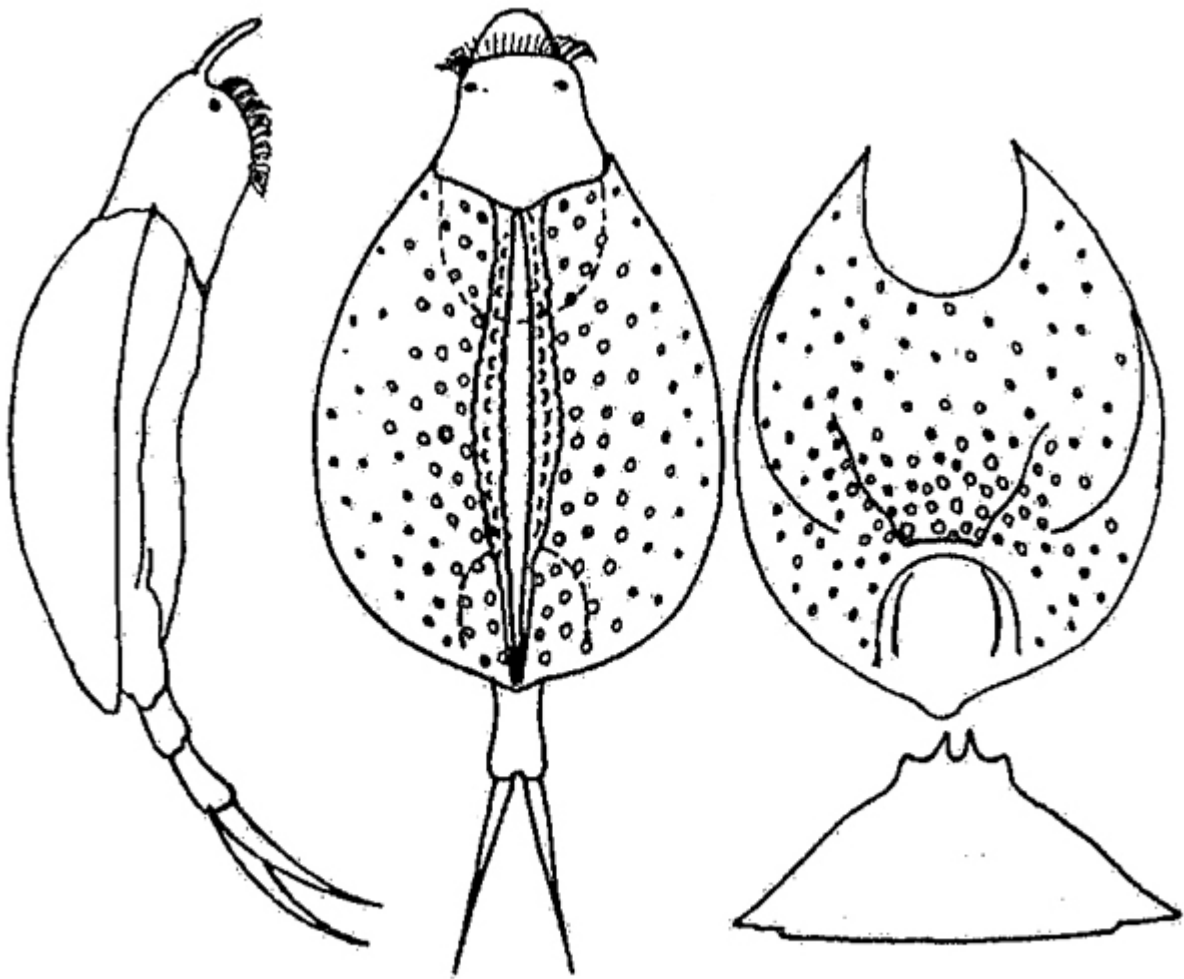
**Synonym:** n. a.

**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

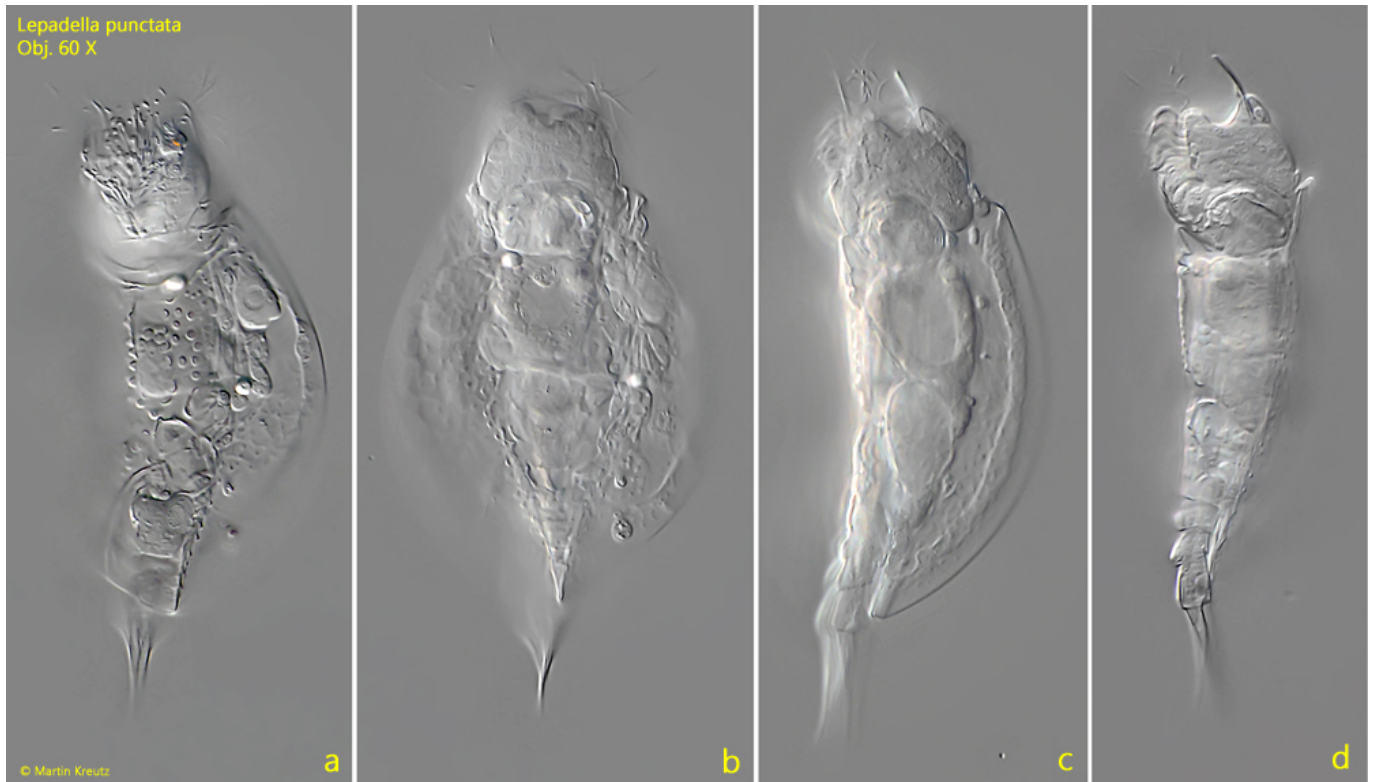
### Lepadella punctata

*Lepadella punctata* has only rarely been recorded. Only 2 specimens were found by Koste (1978). In my localities [Simmelried](#) and [Bussenried](#), however, I find the species regularly and more frequently. I have a total of over 10 records. All of them are from [Simmelried](#), with the exception of a few specimens that I found in [Bussenried](#) in August 2021.

In my population the length of the lorica was between 51 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. 5 a). The ornamentation of the ventral side appears to be almost crust-like (s. figs. 2 a-b and 4 a-b). However, the humps of the ventral lorica are arranged in a defined way and not “statistically” arranged as Wulfert drew it (s. drawing above).

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

*Lepadella punctata*



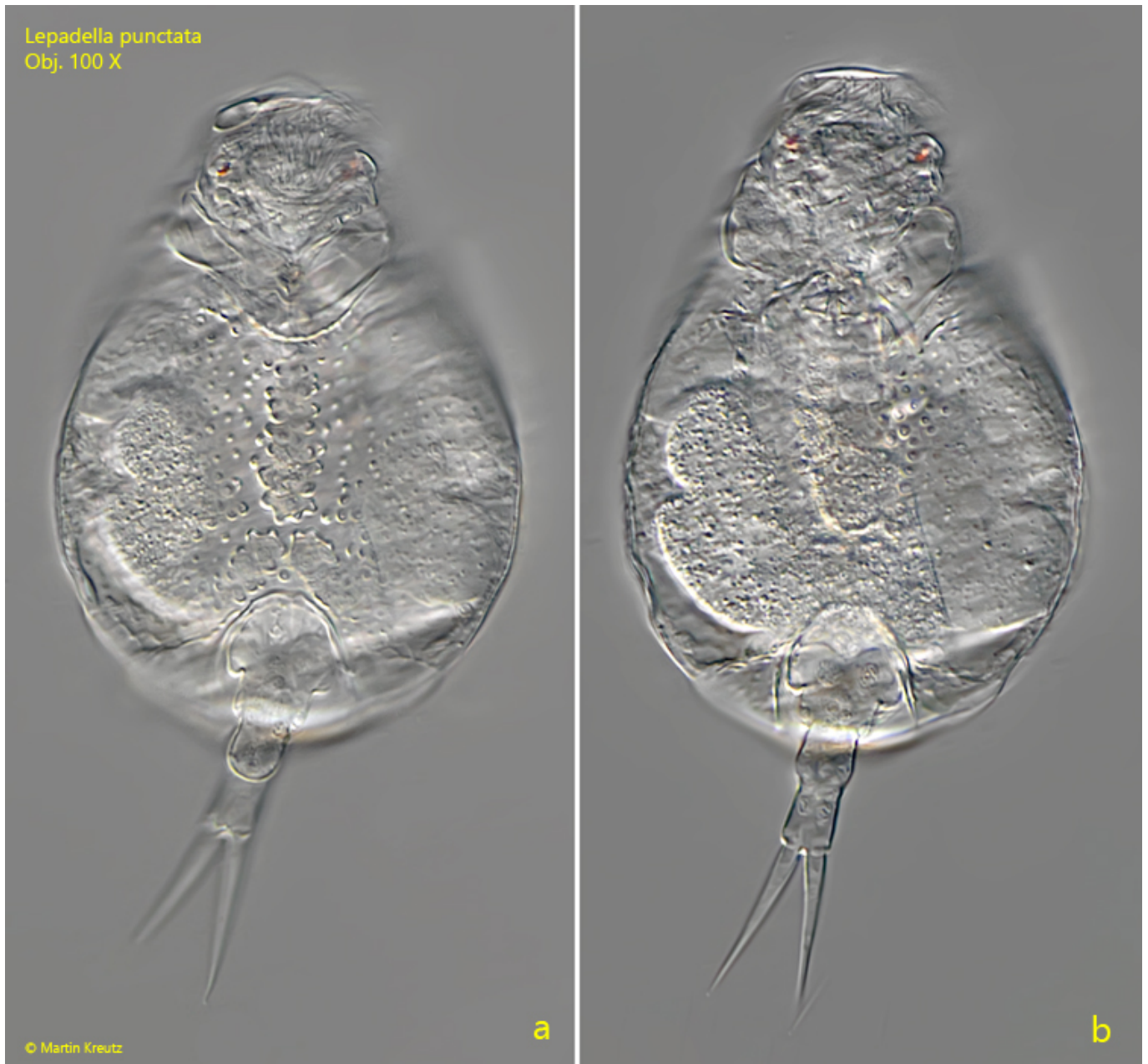
**Fig. 1 a-d:** *Lepadella punctata*. L = 62  $\mu\text{m}$  (of the lorica). A freely swimming specimen from ventral (a), dorsal (b) and from left (c, d). Obj. 60 X.

Lepadella punctata  
Obj. 100 X

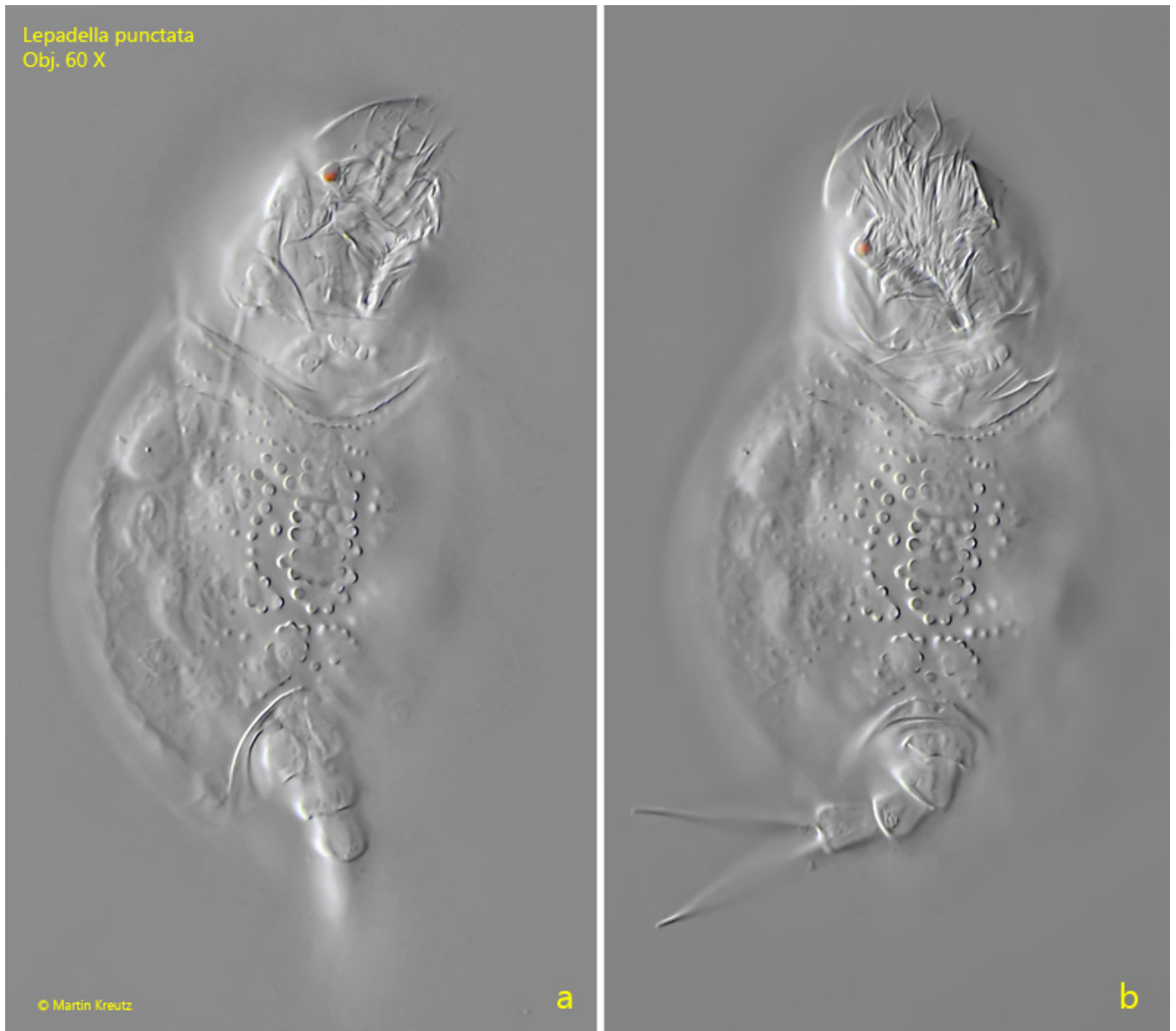


**Fig. 2 a-b:** *Lepadella punctata*. L = 51  $\mu\text{m}$  (of the lorica). Ventral view of a slightly squashed specimen. Obj. 100 X.

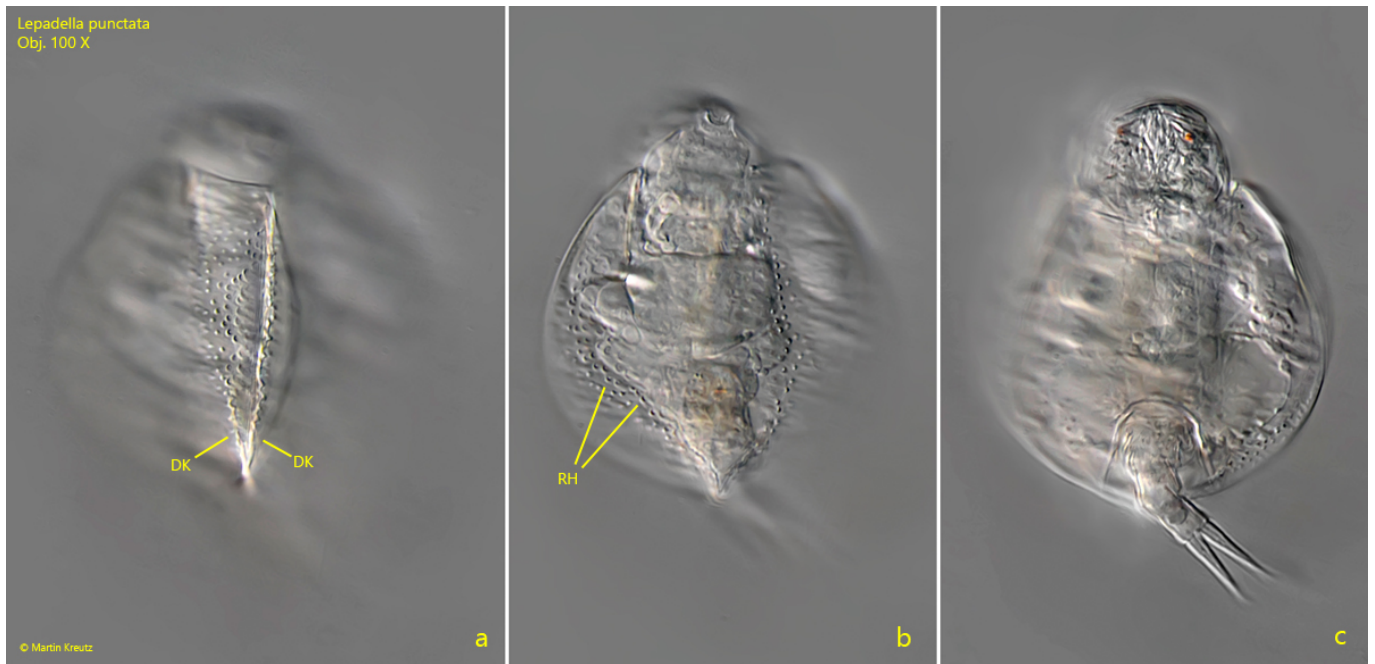




**Fig. 3 a-b:** *Lepadella punctata*. L = 63  $\mu\text{m}$  (of the lorica). Two focal planes from ventral of a second specimen found in May 2010. Obj. 100 X.



**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.