

IV. Of Hydatides inclosed with a Stony Cruft in the Kidny of a Sheep. By Mr W. Cowper, F. R. S.

**I**N the *Sheeps Kidny*, which was ordered at a late Meeting of the Society, to be set aside for me to examine, I found a large whitish body, inclining to yellow, and ting'd with red, as it lay under the Membrane of the *Kidney*, *vid.* Tab. I. Fig. 1. A. This was very hard, as is usual in Animal Petrifications, 2 thirds of it lay hid within the substance of the *Kidney*: It was inclosed with a thick hard Membrane, that could not easily be separated from it, even with a Needle fixt in the end of a Stick. The Branches of the Emulgent Veins and Arteries, lay between it and the *Pelvis* of the *Kidney*; all which *Vessels* were somewhat prest by this petrified Body. As I was picking off its thick strong Membranous Inclosures, I found the Needle slip into a cavity at an *Aperture* Fig. II. By this I was inform'd ( of what I must confess, before I had no suspicion of ) that this hard and heavy *Petrified Body* was hollow, whereupon I thought of dividing it with a *Saw*, but finding a Membranous Interstice in it, Fig 2. B. I pull'd it asunder, as exprest Fig. III. and found its inside divided by many *Petrified Cells* C. of irregular Figures, and fill'd with *Hydatides*, some of which are represented at D.

This uncommon appearance (at least to me) of a *Petrified Cruft* inclosing *Hydatides*, I thought deserv'd the *Figure*s annext.

Tab. I. Fig. I.

The external Surface of the *Kidney* of a *Sheep*.

A. The *Petrified Body* as it appear'd in it before dissection.  
Fig.

Fig. II.

The inferior Surface of the same Petrified Body, after the Membrane that inclosed it was taken off.

a The Hole by which it was discover'd to be hollow.

B. The *Fissure* by which it was divided, to shew its inside exprest.

Fig. III.

C. Its *Petrified Cells* that contained the *Hydatides* of various Sizes and Figures, exprest at D when taken out.

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V. *Microscopical Observations on the Structure of the Spleen, and the Proboscis of Fleas.* By Mr Anthony Van Leeuwenhoek, F. R. S.

Delft, June 1. 1706.

**A**mongst other things it has been observed, that the Spleen is compos'd of a spongy sort of Flesh:

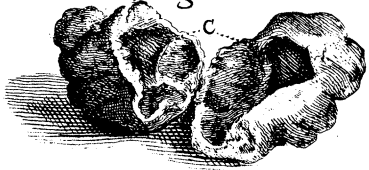
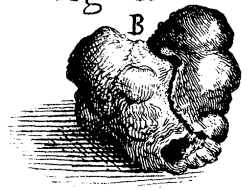
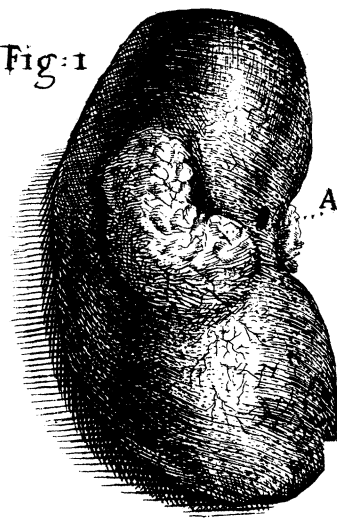
And having examined the Spleens of several Sheep, I found that the many Fibrous parts, of which it generally consists, and which many suppose to be Arteries and Veins, are in reality no Veins, but are united to, and draw their Nourishment from the Membranes in which they are radicated, and spread themselves into many Branches, and joia with the Fibrous parts, which likewise appear with Roots and Branches growing out of the opposite Membrane, that I could not forbear viewing them with astonishment; imagining that all the innumerable Fibrous parts were constituted to no other end, than to protrude the Blood which is conveyed into them by the Arteries; which Blood in great quantities is contain'd in the Veins, as may appear in great measure in those  
Veins

Tab: i.

Fig: 1

Fig: II

Fig: III



Tab: 2.

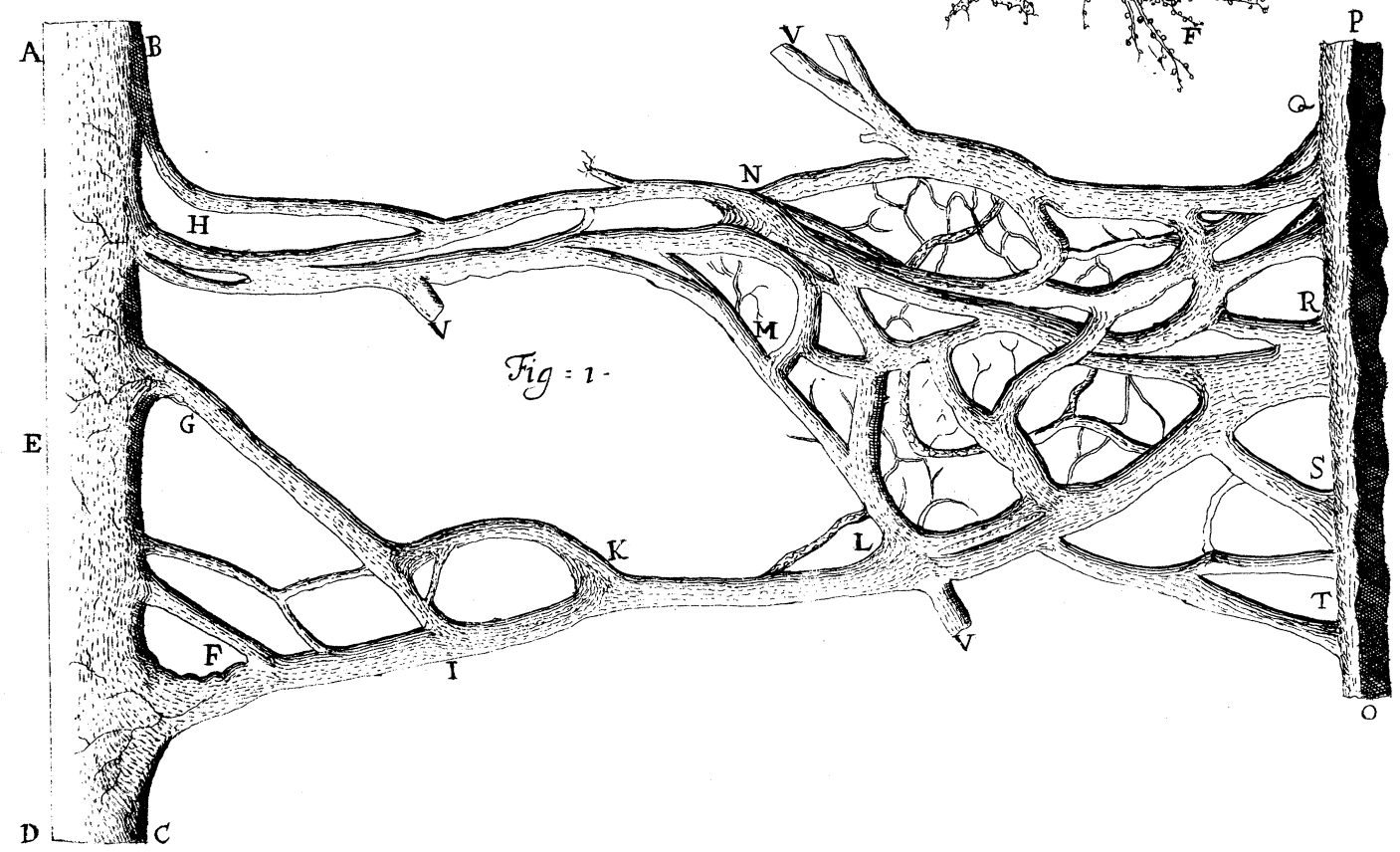
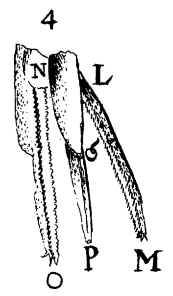
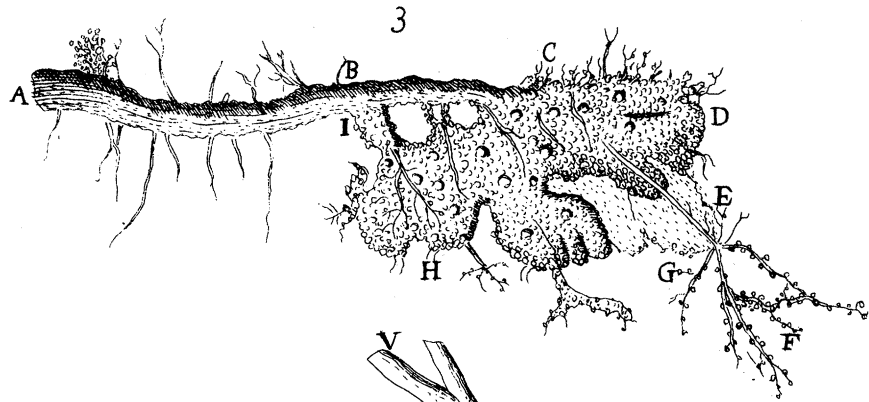
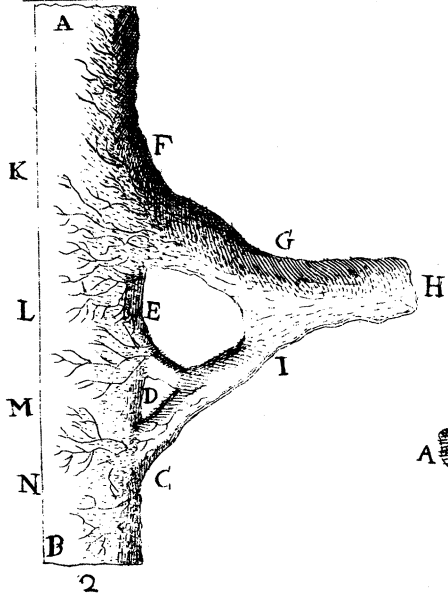


Fig: 1.