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On the anatomy of the breast, by Sir Astley  
Paston Cooper, 1840

Rare Medical Books

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1840

## On the anatomy of the breast - Plate VII: The Guinea pig and the cat

Sir Astley Paston Cooper , Bart.

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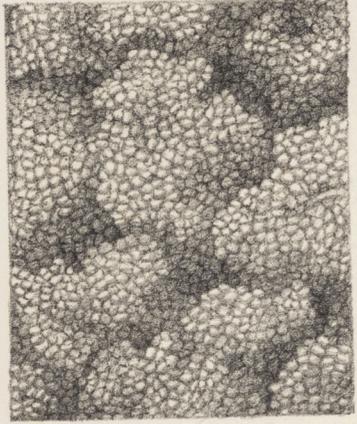
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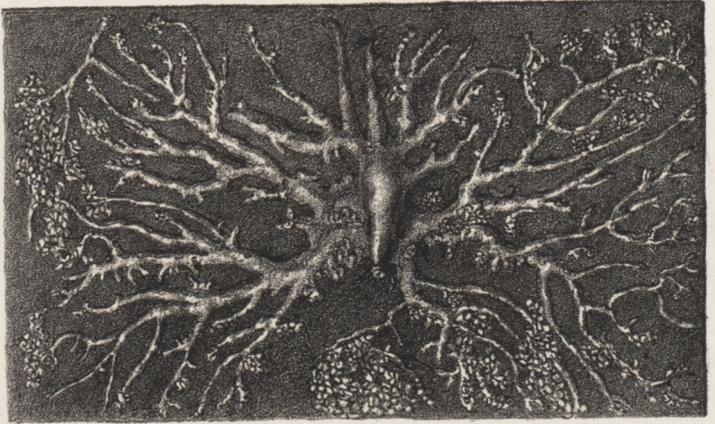


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PL. VII.



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John Hobb del. et lithog.

## PLATE VII.

### *The Guinea Pig and the Cat.*

**Fig. 1.** The mammary glands of the guinea pig placed in each inguinal region.

They are injected with wax.

The substance of the glands is of a tender pulpy texture, which breaks down under the weight of mercury, but admits of being injected with size or wax.

A mamilla or nipple is connected, containing a tube by which the glands were injected. There is no distinct reservoir, only an enlargement of the tube.

The tube terminates in glandules containing milk cells.

**Fig. 2.** Shows the milk-cells of the guinea pig magnified twenty times.

**Fig. 3.** Exhibits the milk-cells magnified fifty-four times, appearing like Portugal grapes.

**Fig. 4.** The mammary glands of the cat, reaching from the axilla to the pubes on each side of the sternum and linea alba.

There were eight nipples in this animal, four on each side.

The nipple is appended to each gland. There were eight separate glands as to secretory structure, but united by a fibrous tissue to each other.

A branch of the epigastric artery may be seen going to the glands from the groin.

**Fig. 5.** One of the glands of the natural size injected with quicksilver. Near its centre is seen the nipple containing several tubes, one of which has been injected.

A reservoir appears at the base of the nipple, and the arborescent mammary glands are exhibited radiating through the gland,

some of them terminating in glandules, and the milk-cells appear in them. This animal was near the termination of lactation. Some arborescent vessels were filled in injecting the gland, which looked like absorbents.

**Fig. 6.** The cells of a portion of the mammary gland in the cat injected with yellow wax, and magnified twenty times.

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