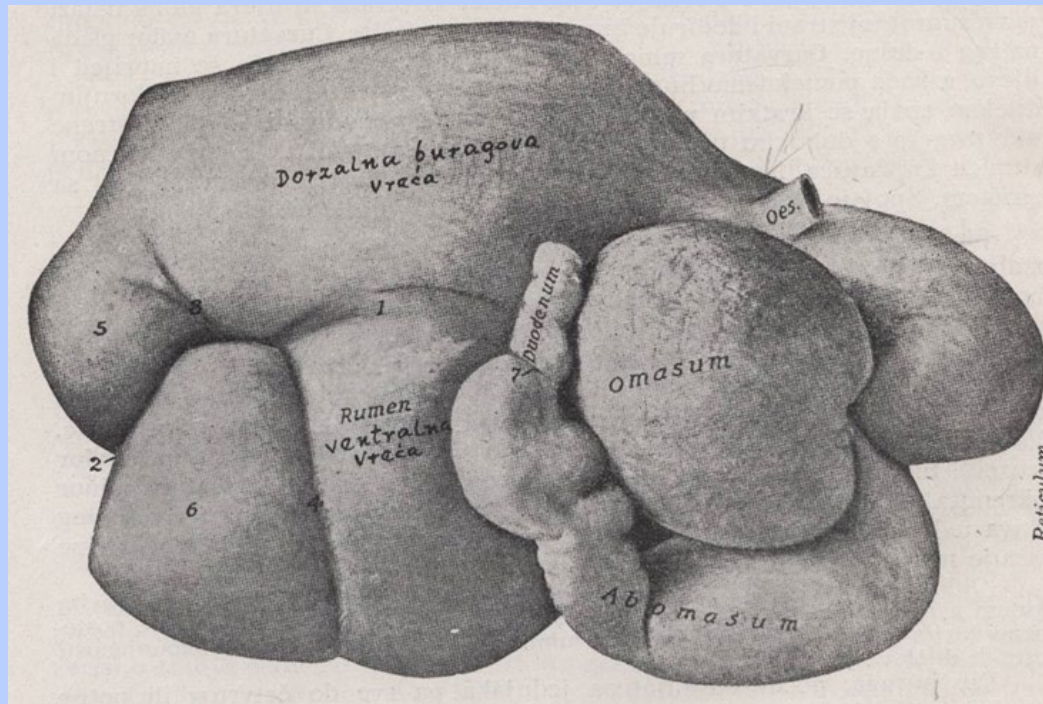
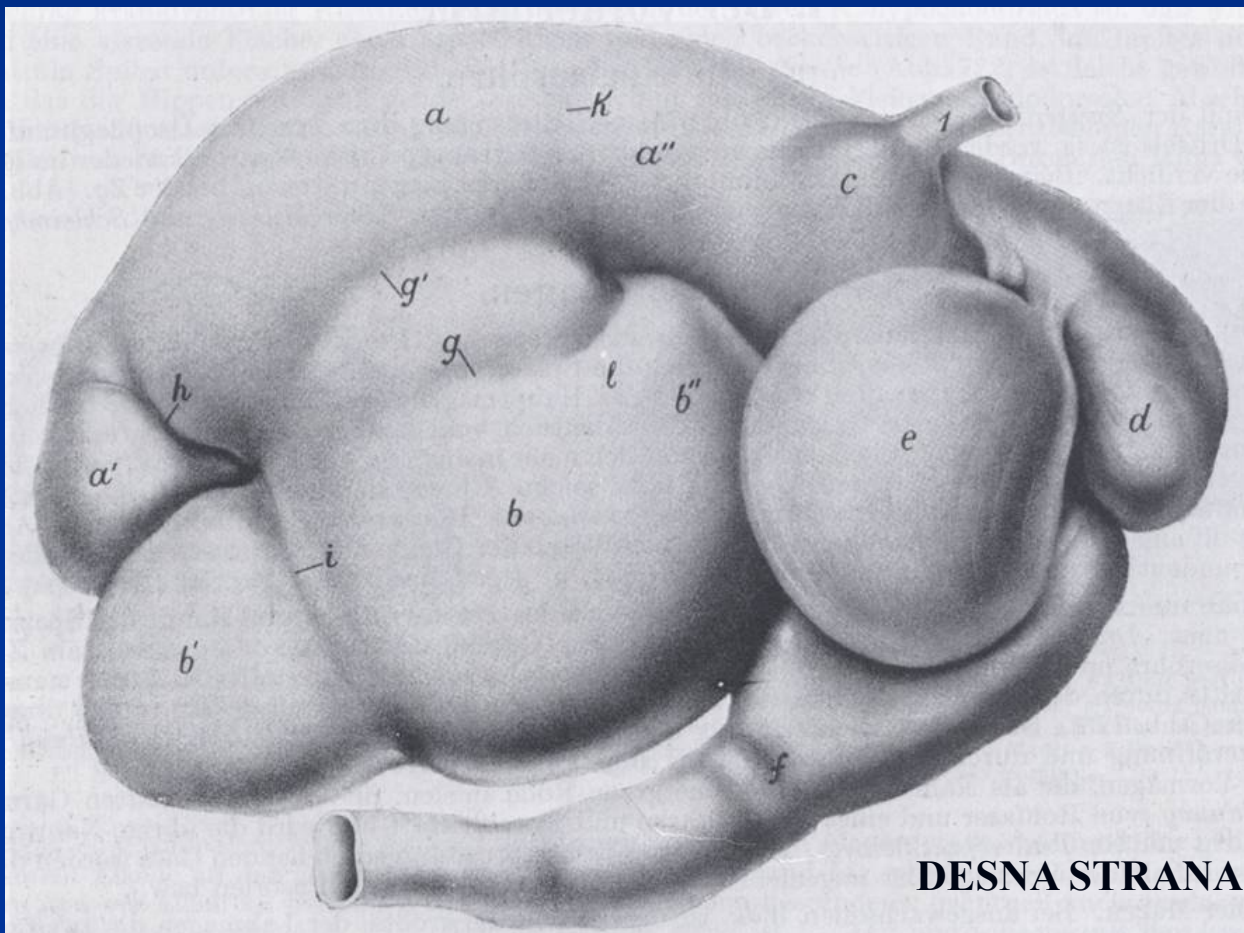


ŽELUDAC PREŽIVARA

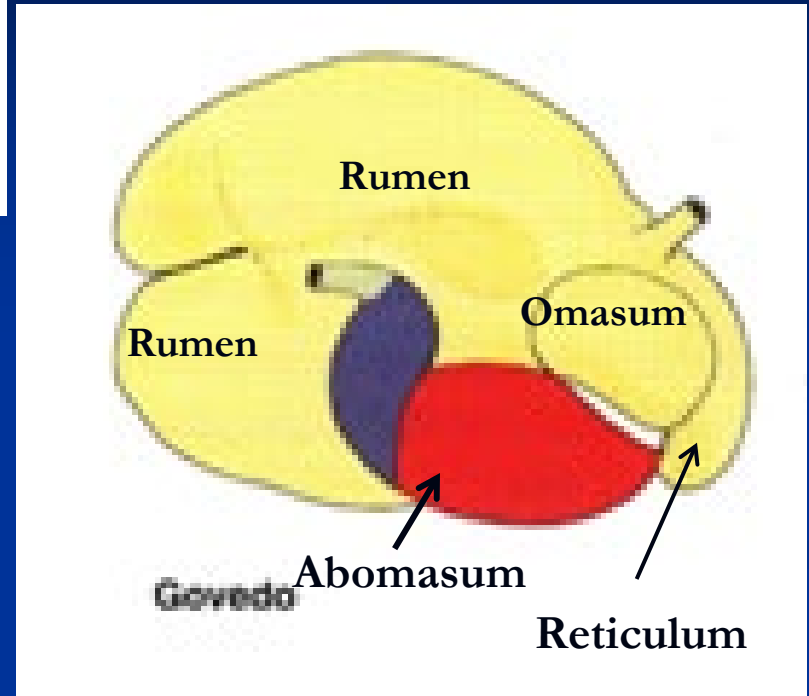
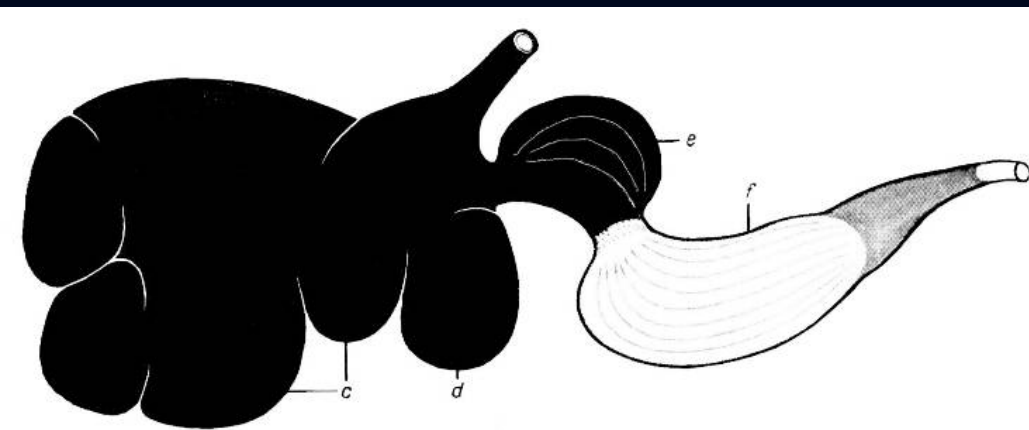


Prof. dr Ivana Nešić

1. BURAG (RUMEN)
2. MREŽAC, MREŽAVAC, KAPURA (RETICULUM)
3. LISTAVAC (OMASUM, OMASUS)
4. SIRIŠTE (ABOMASUM, ABOMASUS)



VIŠEKOMORAN SLOŽEN ŽELUDAC PREŽIVARA

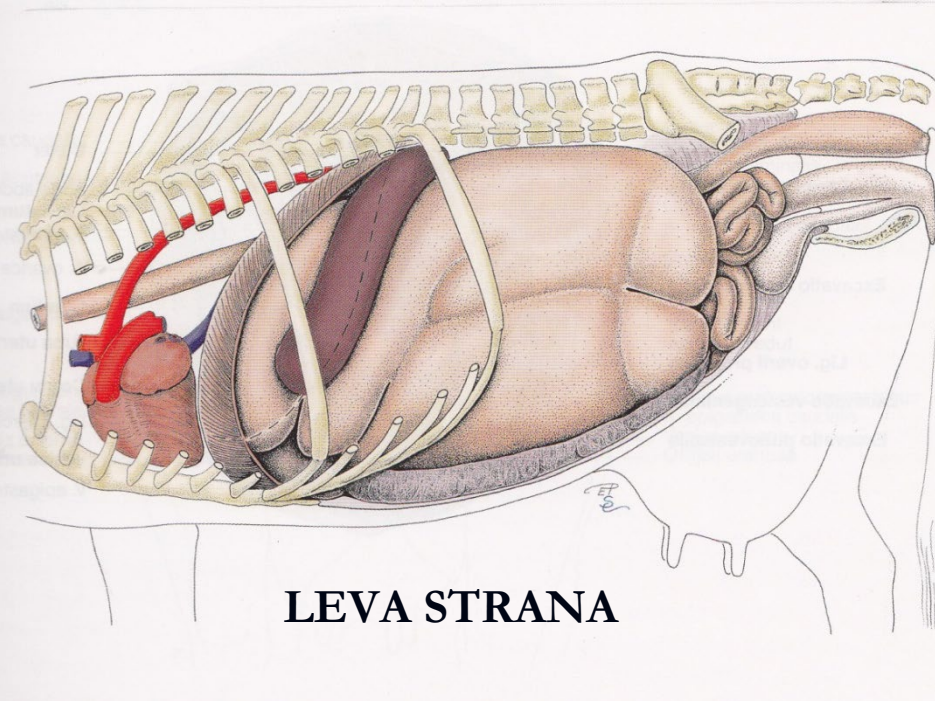


3 PREDŽELUCA (PROVENTRIKULUSA): BURAG (Rumen)
 (kutana sluzokoža)

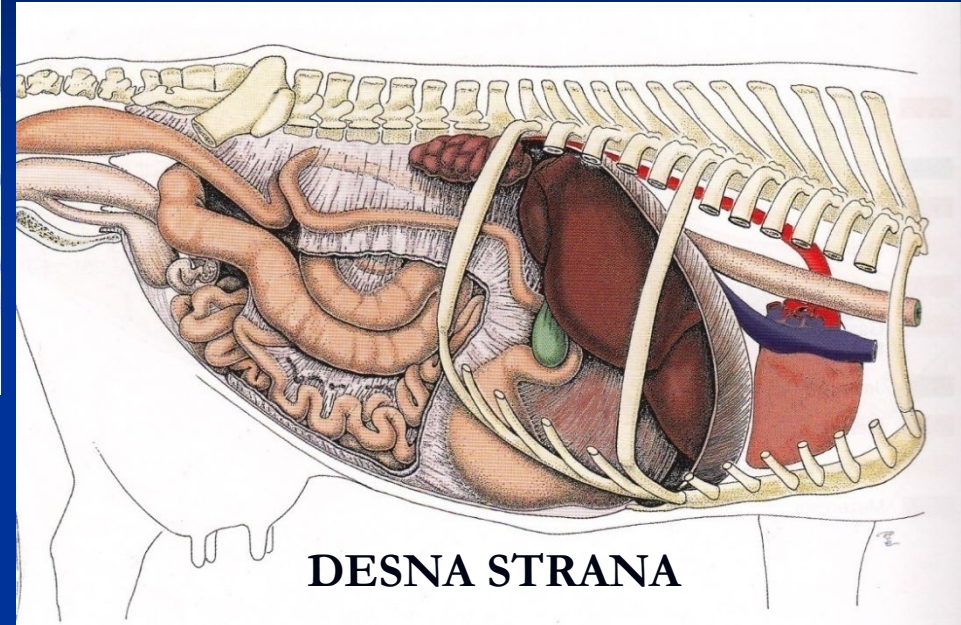
MREŽAC (Reticulum)
LISTAVAC (Omasum)

PRAVI ŽELUDAC: SIRIŠTE (Abomasum)
 žlezdana sluzokoža (Pars cardiaca, Pars fundica, Pars pylorica)

ŽELUDAC PREŽIVARA

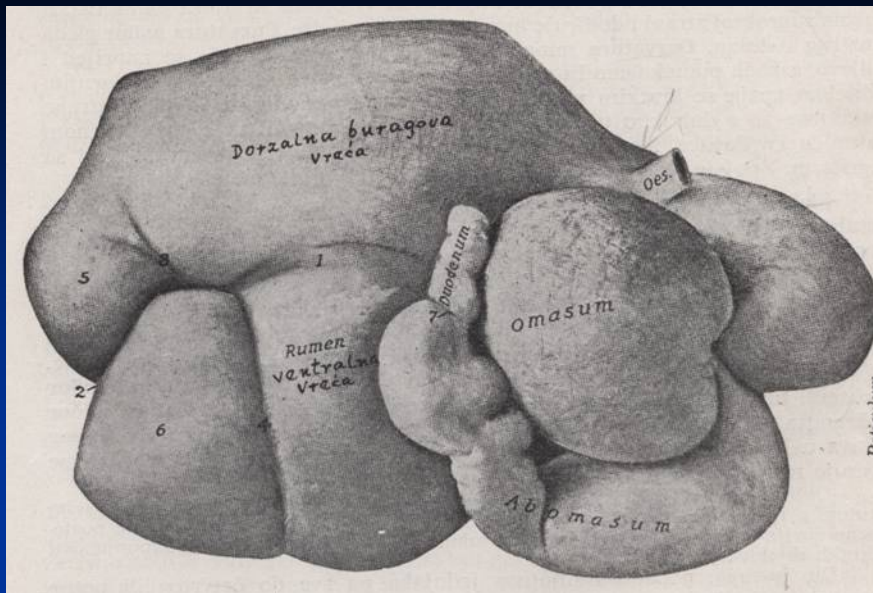


LEVA STRANA



DESNA STRANA

- Ispunjava $\frac{3}{4}$ trbušne duplje
- Ispunjava celu levu polovinu trbušne duplje
- Prelazi preko medijane ravni u desnu polovinu trbušne duplje
- Kranijalno dopire do dijafragme i jetre
- Kaudalno se pruža do ulaza u karličnu duplju
- Dorzalno dodiruje dorzalni a ventralno ventralni trbušni zid

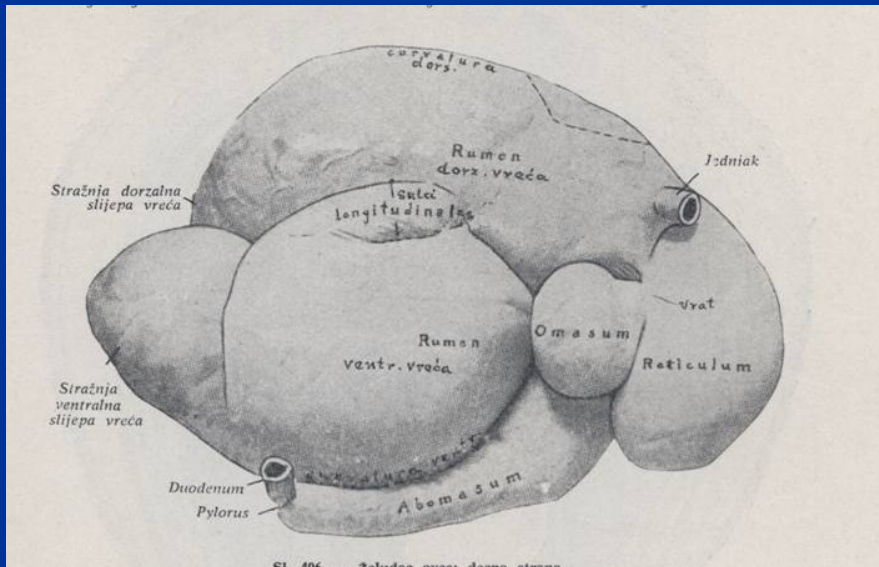


**RASPORED KOMORA PO VELIČINI
(od najveće prema najmanjoj):**

VELIKI PREŽIVAR (goveče):

1. BURAG
2. SIRIŠTE
3. LISTAVAC
4. MREŽAC

ŽELUDAC VELIKOG PREŽIVARA



MALI PREŽIVAR (ovca, koza):

1. BURAG
2. SIRIŠTE
3. MREŽAC
4. LISTAVAC

ŽELUDAC MALOG PREŽIVARA

TOPOGRAFSKI POLOŽAJ BURAGA (*Rumen*)

- ispunjava celu levu polovinu trbušne duplje
- od dijafragme do ulaza u karličnu duplju
- dorzalno dodiruje dorzalni trbušni zid
- ventralno dodiruje ventralni trbušni zid
- levo dodiruje levi trbušni zid
- kranijalno dodiruje reticulum

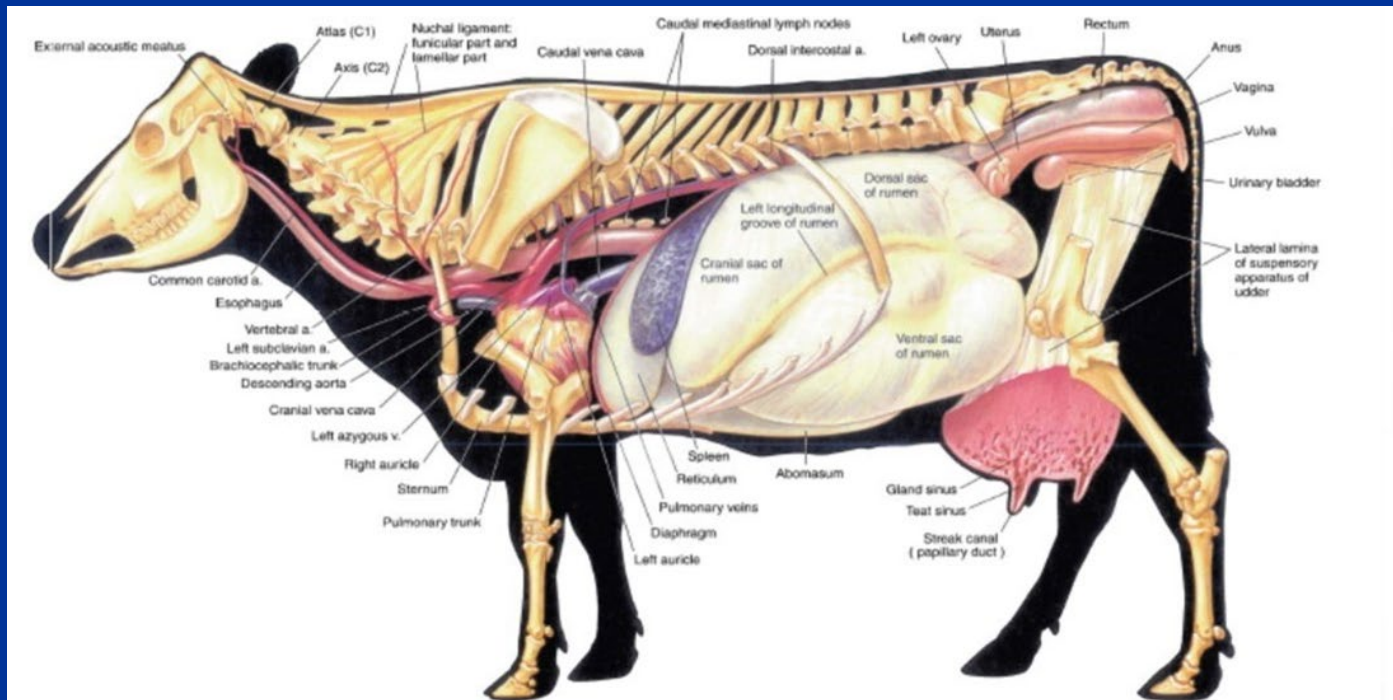
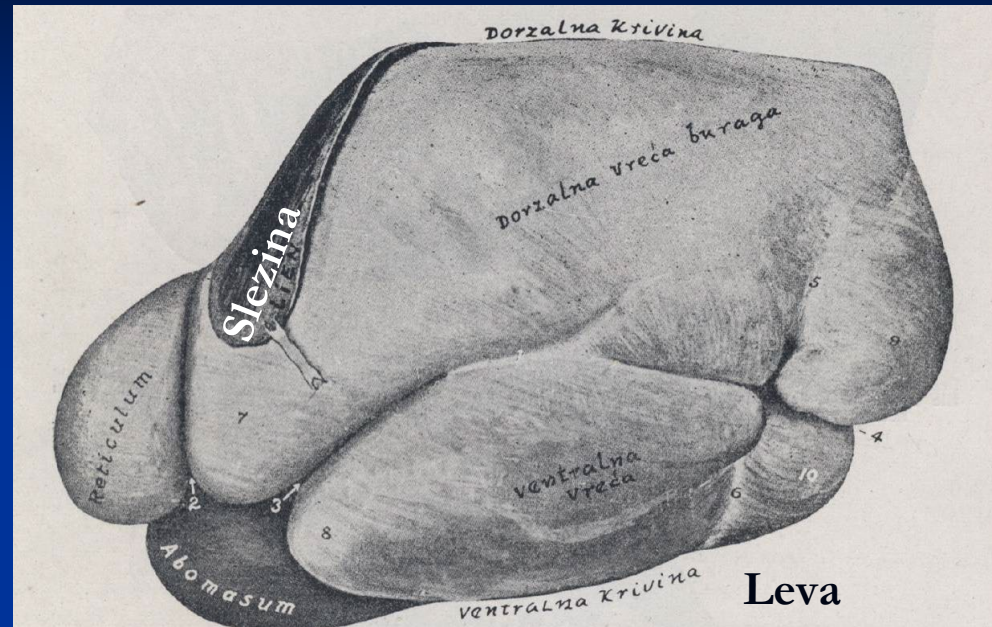
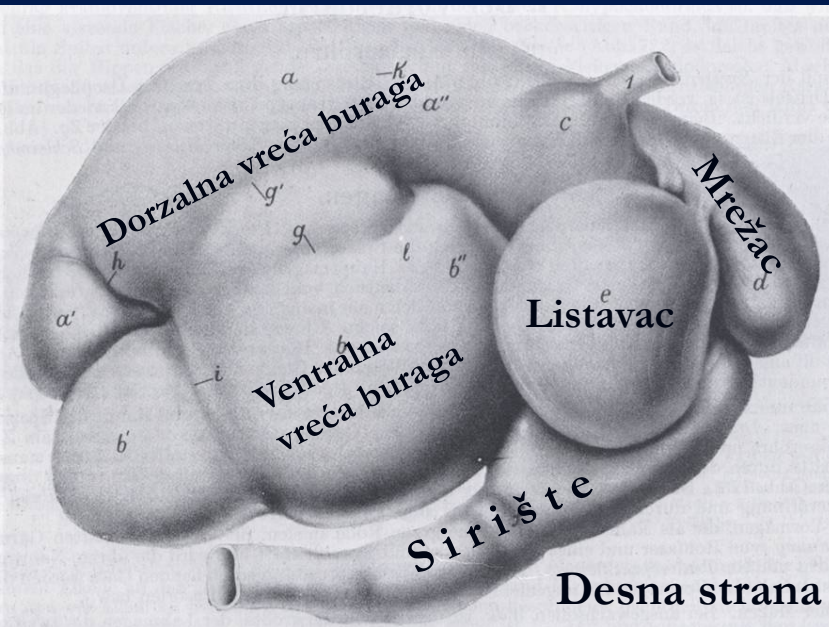


PLATE 2.14 Heart and adjacent major vessels, abdominal and pelvic viscera, and udder (mammary glands) of the cow. Lungs and intestines are removed. Left lateral view. v = vein, a = artery

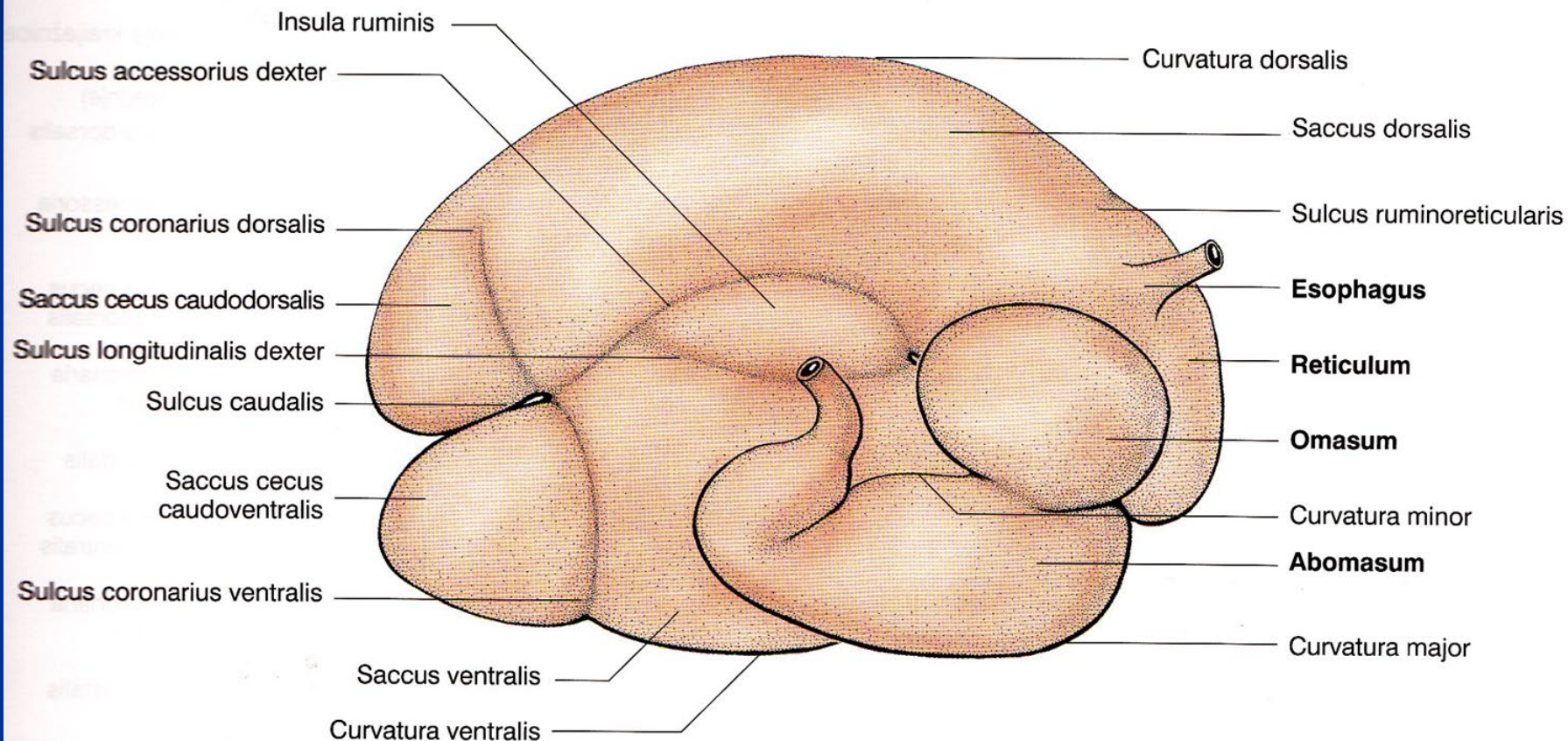
BURAG (Rumen)



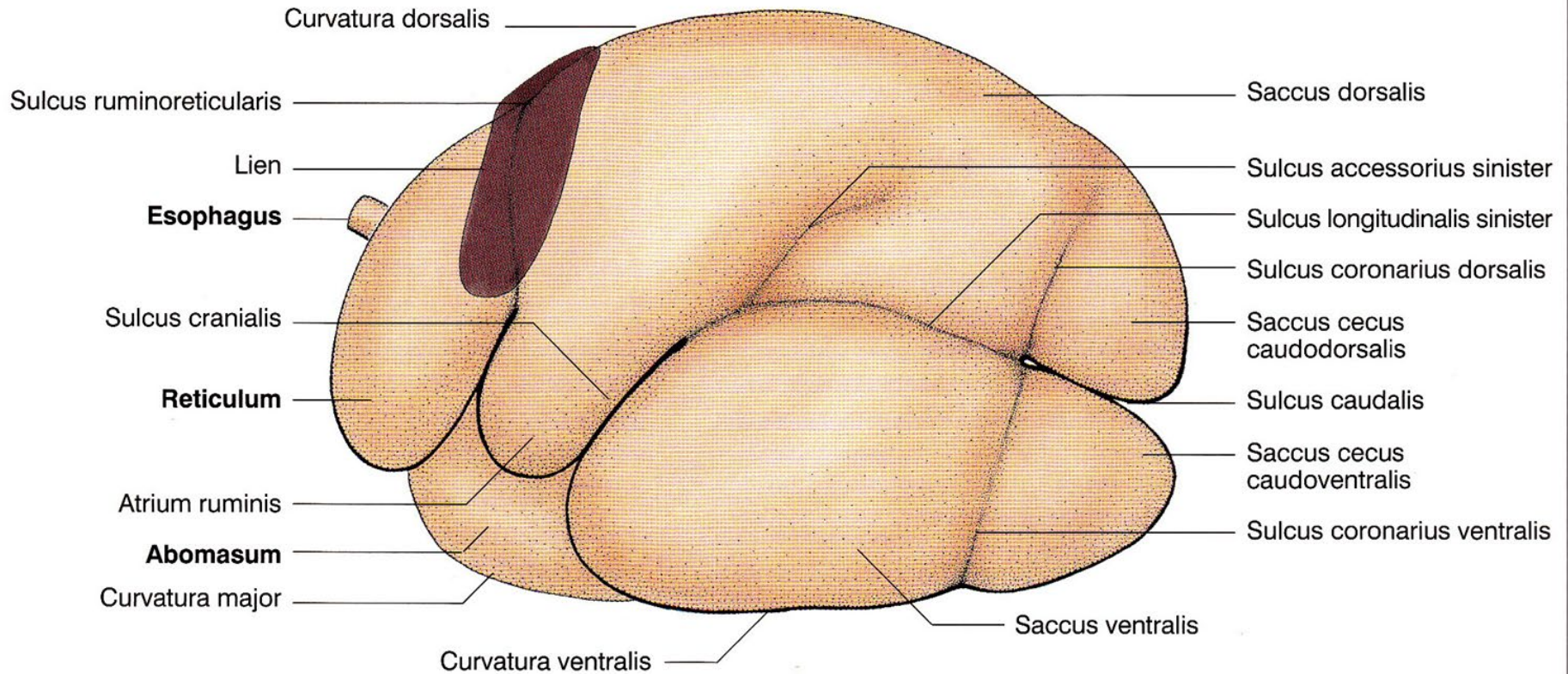
Sulcus longitudinalis dexter
Sulcus longitudinalis sinister
Sulcus cranialis
Sulcus caudalis
Sulcus accessorius dexter
Sulcus accessorius sinister
Sulcus coronarius dorsalis
Sulcus coronarius ventralis
Sulcus ruminoreticularis

Saccus ruminis dorsalis
Saccus ruminis ventralis
Saccus caecus caudodorsalis
Saccus caecus caudoventralis
Atrium ventriculi
Facies visceralis (desna strana)
Facies parietalis (leva strana)
Curvatura dorsalis
Curvatura ventralis

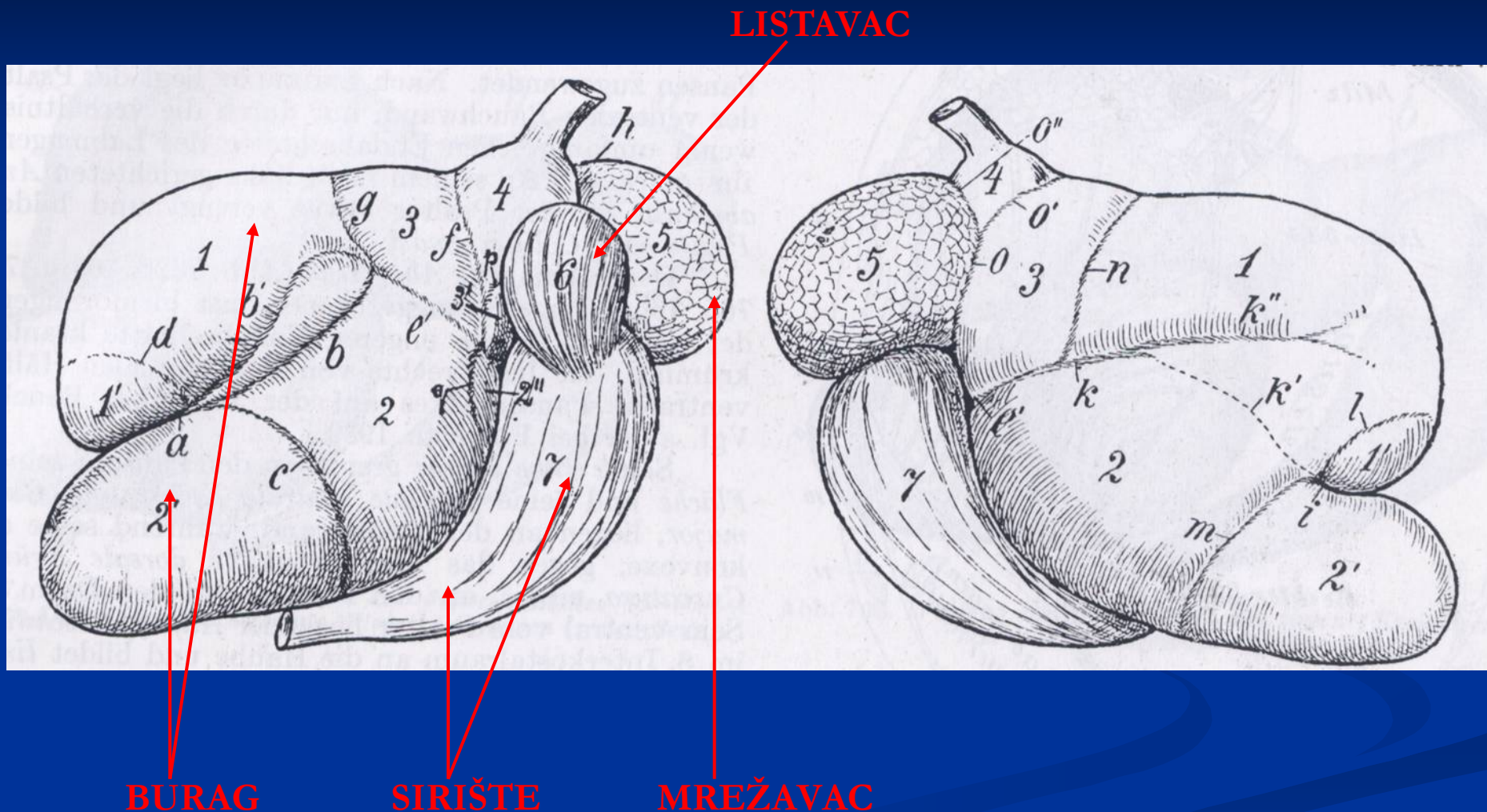
ŽELUDAC PREŽIVARA (desna strana)



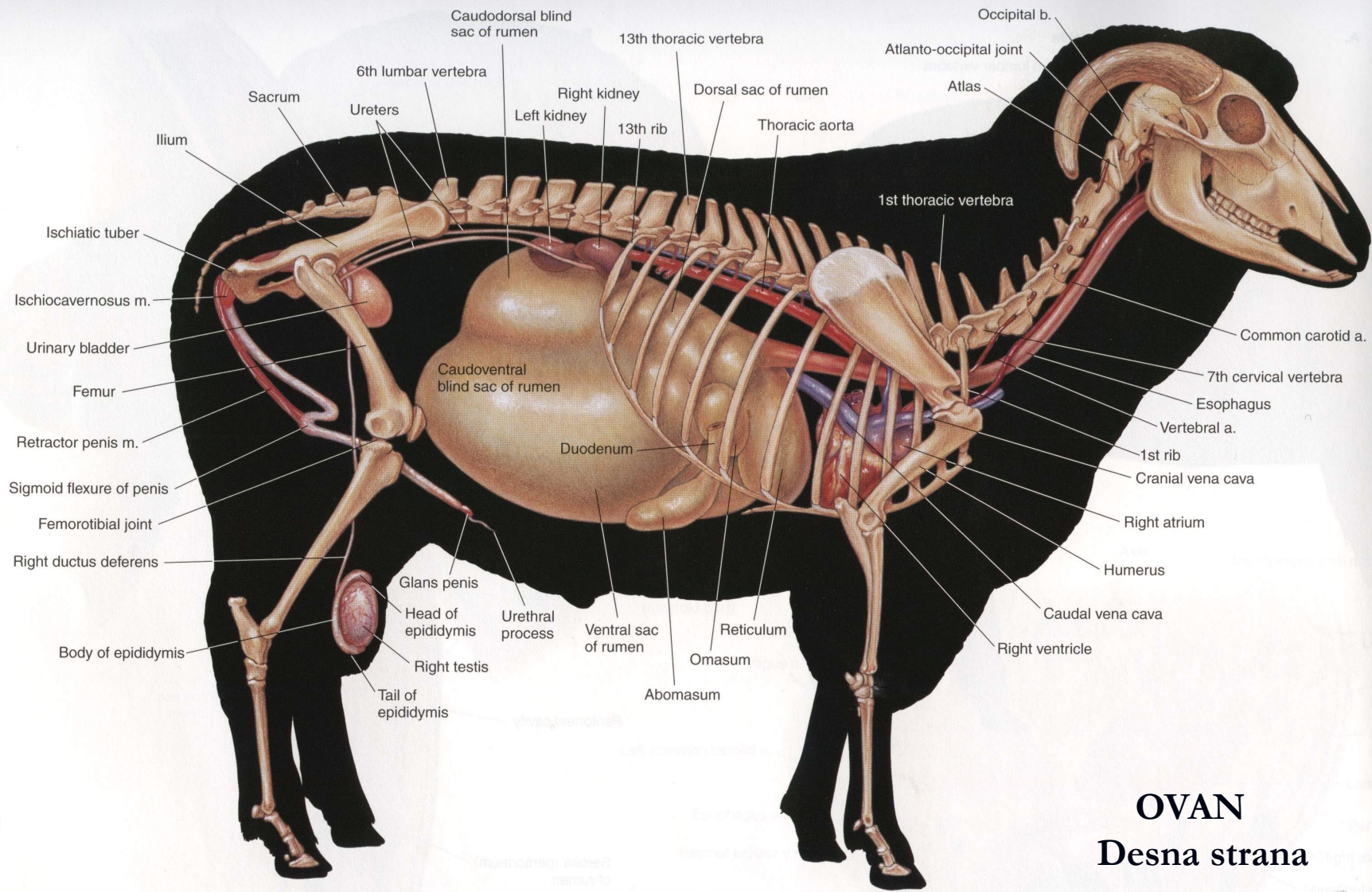
ŽELUDAC PREŽIVARA (leva strana)



VIŠEKOMORAN SLOŽEN ŽELUDAC MALIH PREŽIVARA

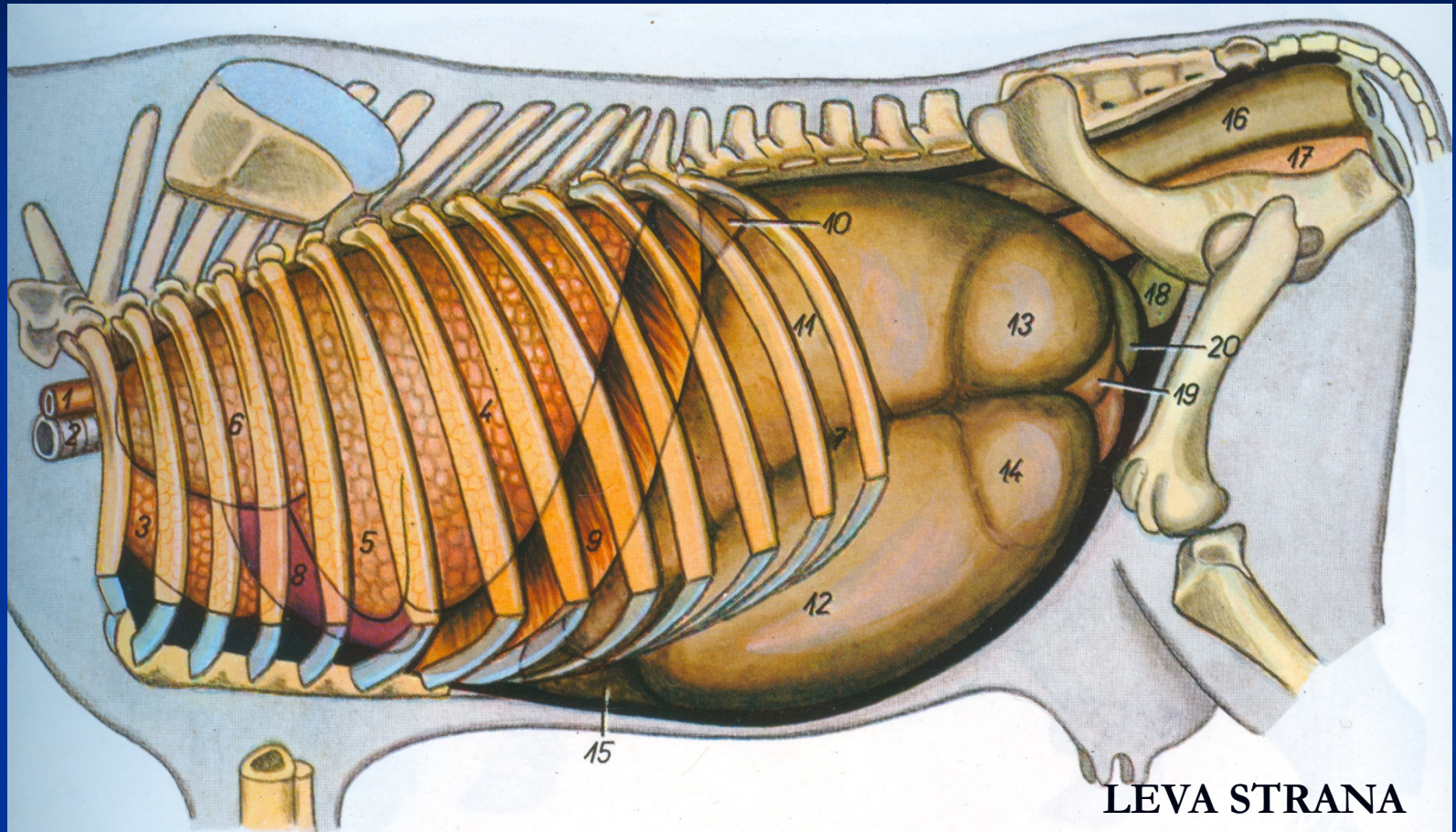


Saccus caecus caudoventralis kod malih preživara dopire kaudalnije prema karličnoj duplji nego Saccus caecus caudodorsalis.



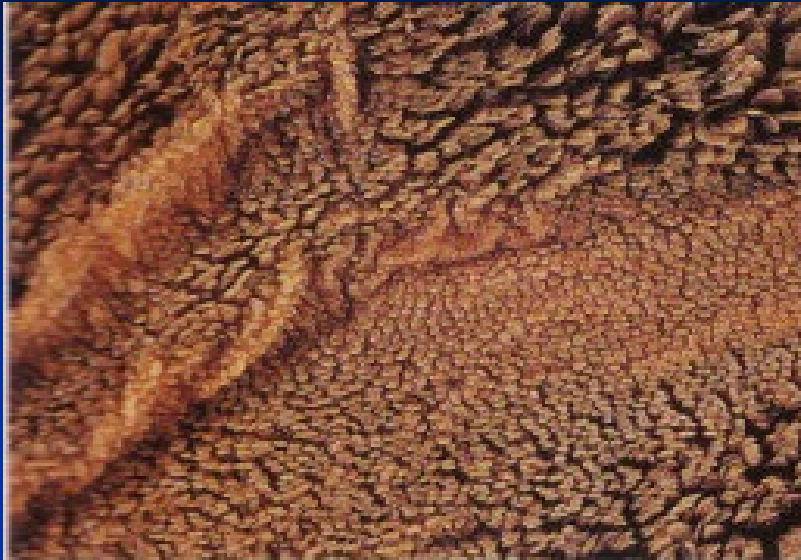
OVAN
Desna strana

ŽELUDAC VELIKOG PREŽIVARA



Saccus caecus caudodorsalis i Saccus caecus caudoventralis kod velikog preživara dopiru podjednako kaudalno prema karličnoj duplji

UNUTRAŠNJI IZGLED SLUZOKOŽE BURAGA



Slika 7-69. Buražne papile u kaudodorzalnoj vreći goveda s područjem bez papila na burag gredi.



Građa zida buraga:

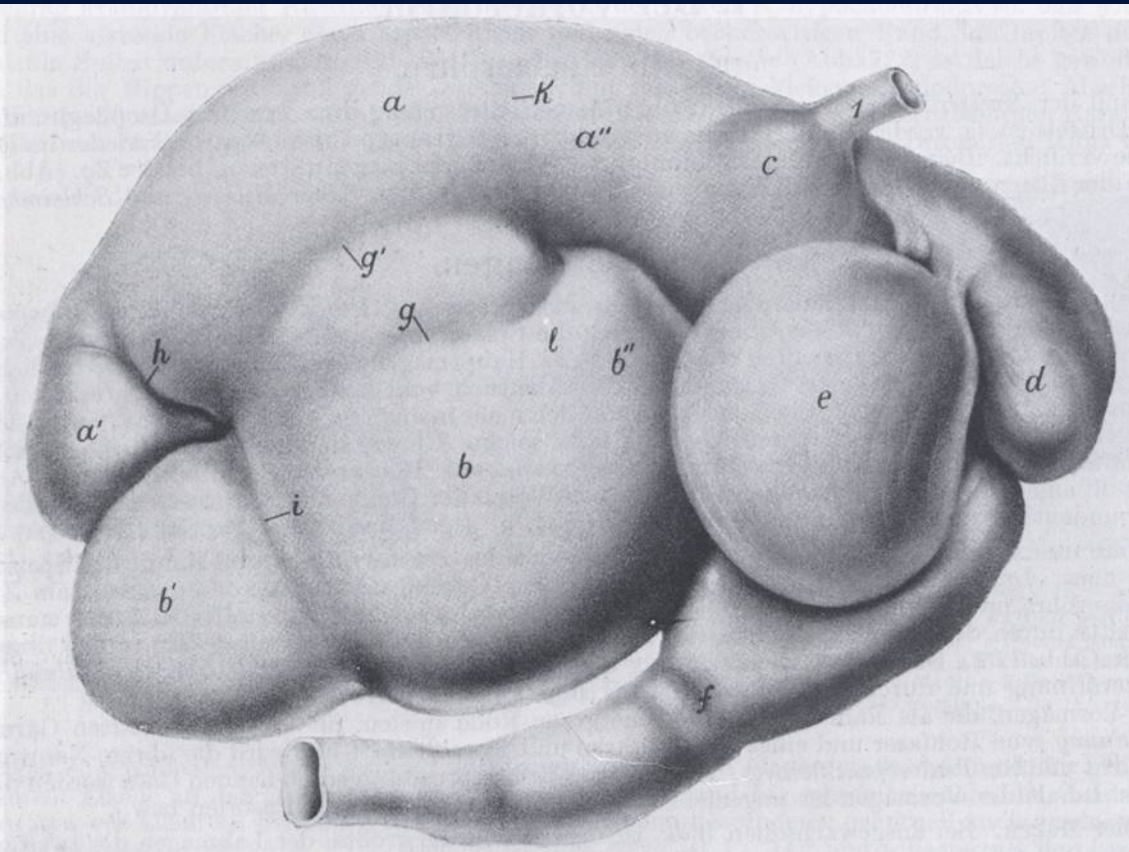
Tunica serosa (visceralni peritoneum)

Tunica muscularis : - Stratum longitudinale

- Stratum circulare - Pilae ruminis (n)

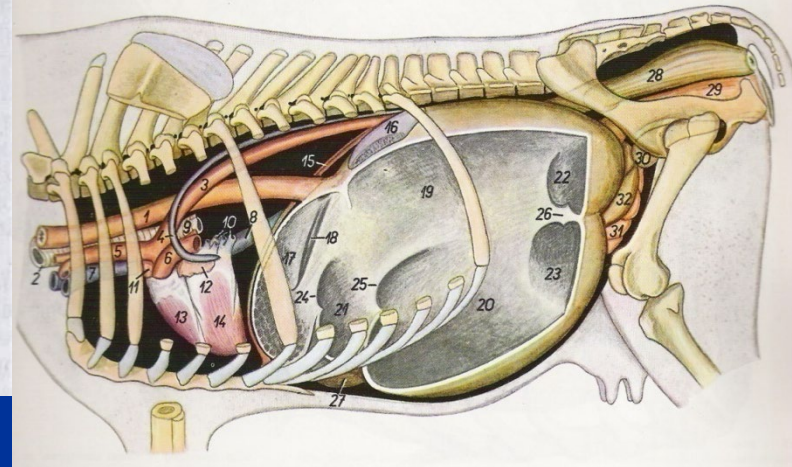
Tunica mucosa (kutana sluzokoža) – Papillae ruminis (m)

RETICULUM (MREŽAC, MREŽAVAC)

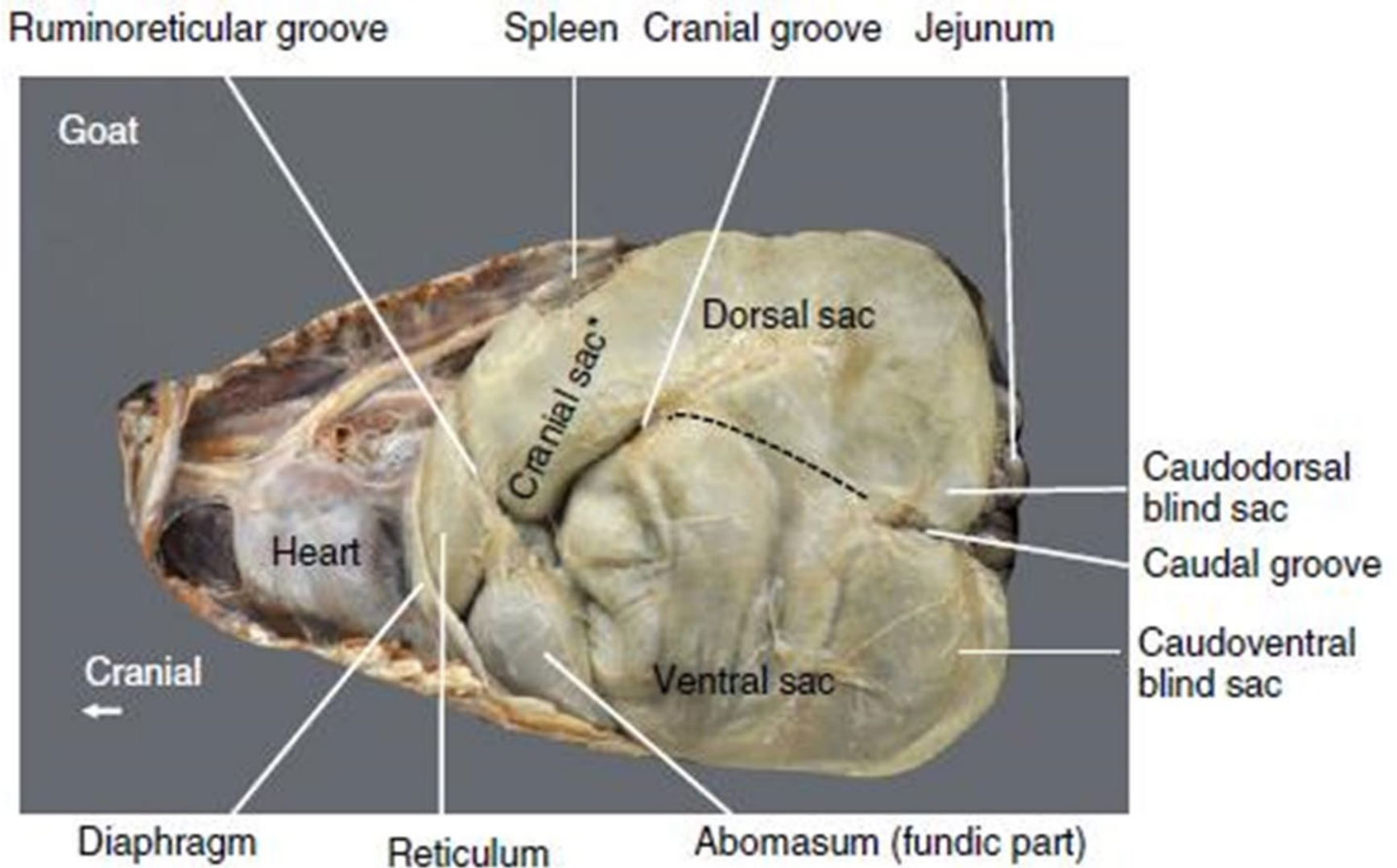


OSTIUM RUMINO-RETICULARE

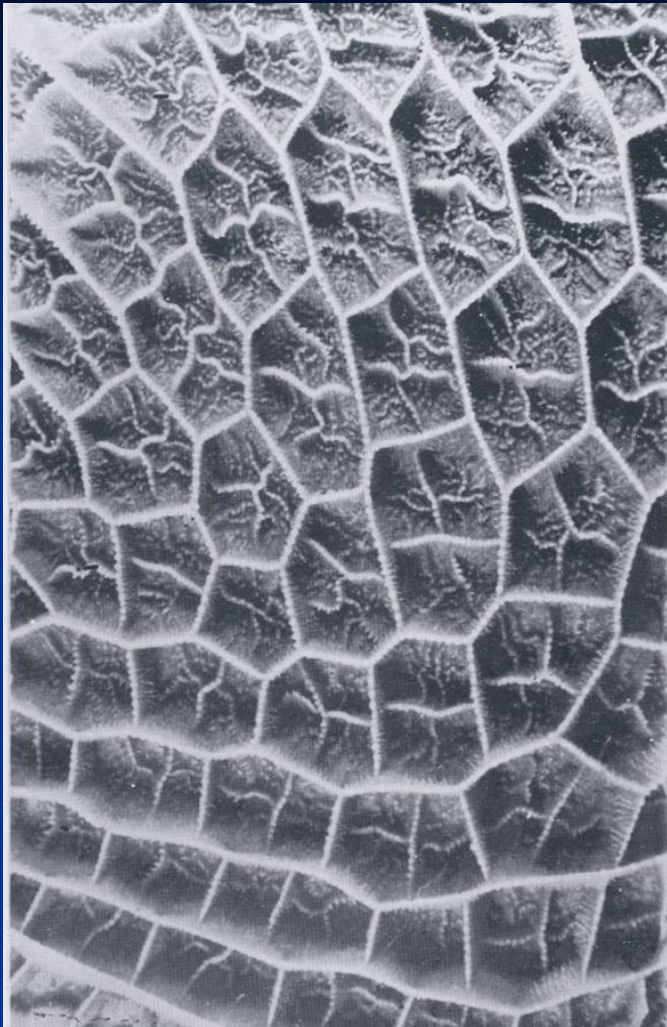
OSTIUM RETICULO-OMASICUM



- Najkranijalni deo želuca
- U intratorakalnom delu trbušne duplje
- Podjednako levo i desno od medijane ravni
- Preko Ostium ruminoreticulare komunicira sa dorzalnom buragovom vrećom
- Preko Ostium reticulo-omasicum komunicira sa listavcem



Udaljenost mrežca od srca je veoma mala (2cm - 4 cm). Posledica gutanja oštarih predmeta (žice, ekseri, igle) može biti traumatski reticulopericarditis.



GRAĐA ZIDA RETICULUM-a:

Tunica serosa (visceralni peritoneum)

Tunica muscularis

Tunica mucosa (kutana sluzokoža):

- **Cellulae reticuli** (saćaste strukture)
- **Cristae reticuli**
- **Papillae reticuli**

SULCUS VENTRICULI

Od ušća jednjaka u želudac
do sirišta

1. Sulcus reticuli

- od ušća jednjaka
- do Ostium reticulo-omasicum
(„jednjački žleb“- Sulcus oesophagi)

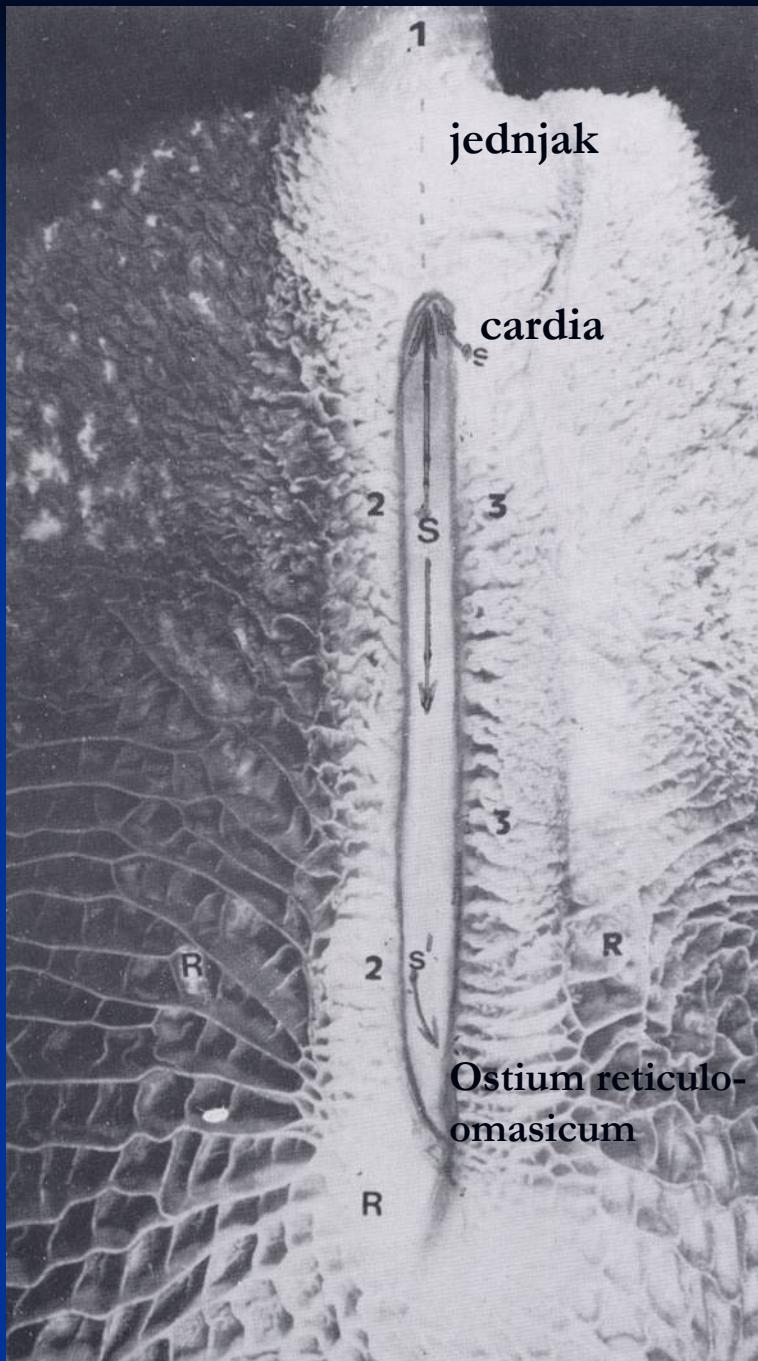
Fundus sulci reticuli

Labium dextrum

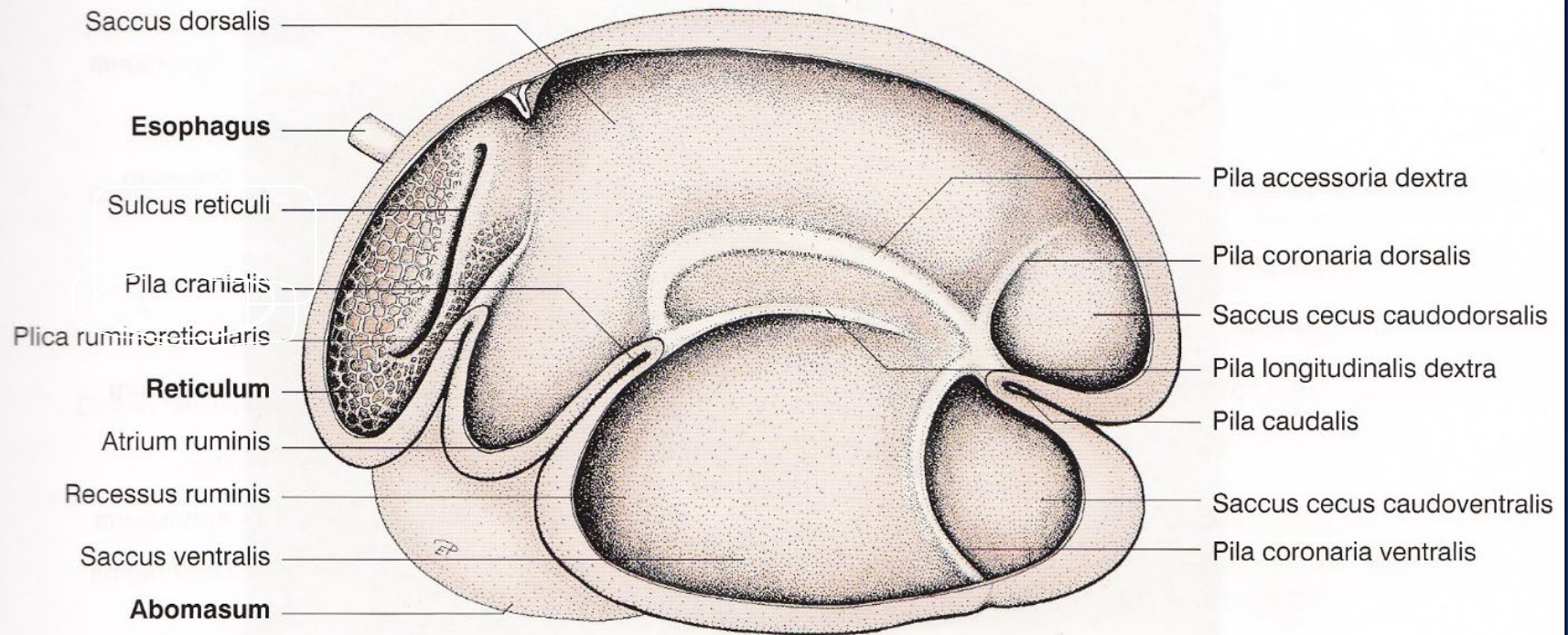
Labium sinistrum

2. Sulcus omasi

- od Ostium reticulo-omasicum
- do Ostium omaso-abomasicum



Sulcus reticuli

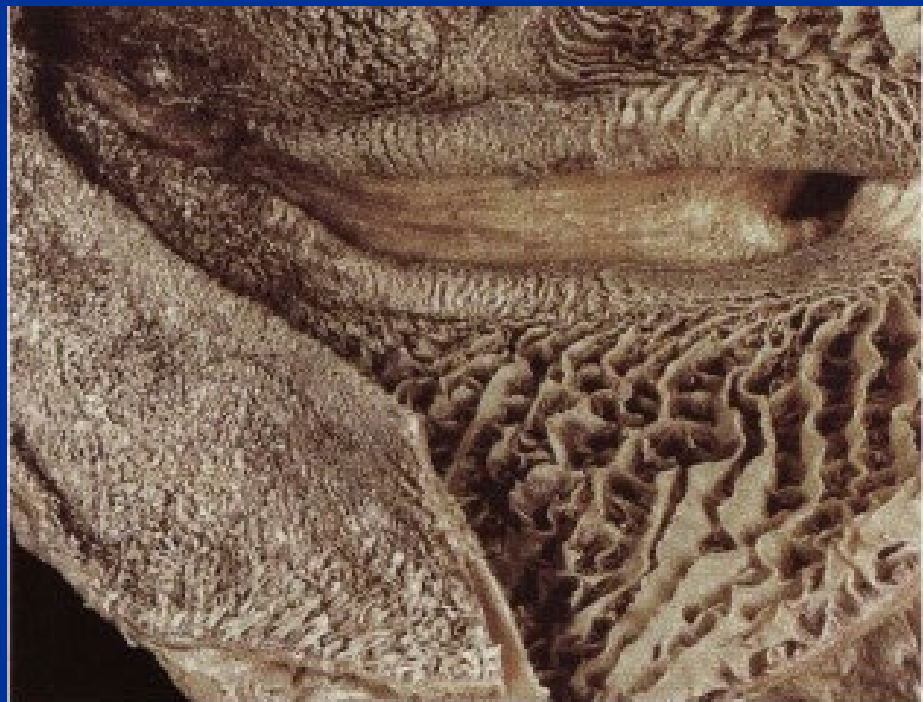




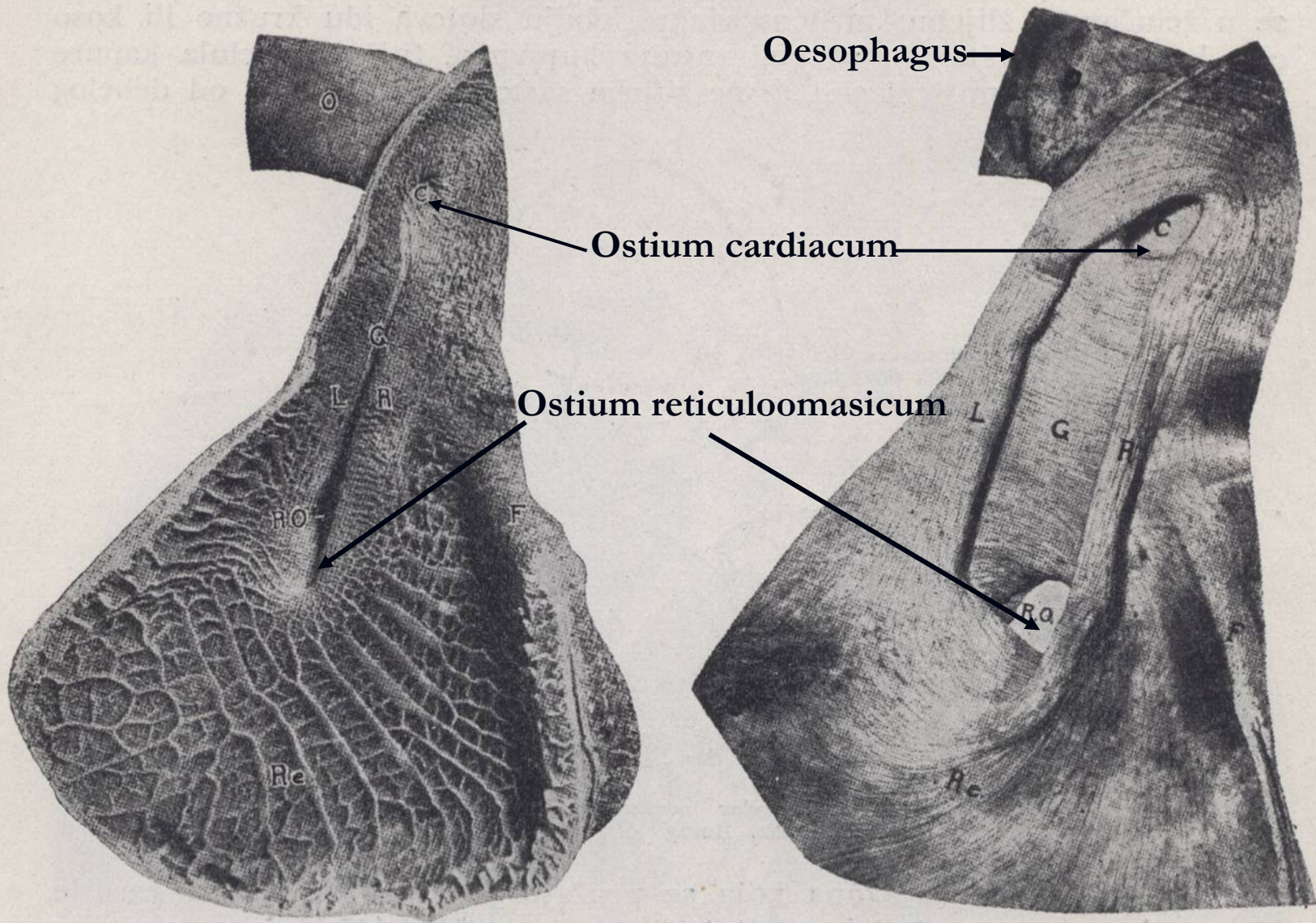
SULCUS RETICULI:

-Labium sinistrum

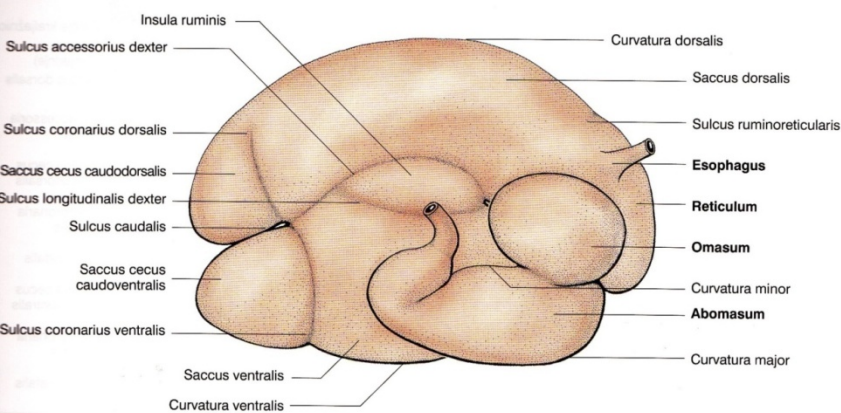
-Labium dextrum



Slika 7-70. Želučani (jedučani) žlijeb s otvorenim buragom i kapurom.



SULCUS RETICULI

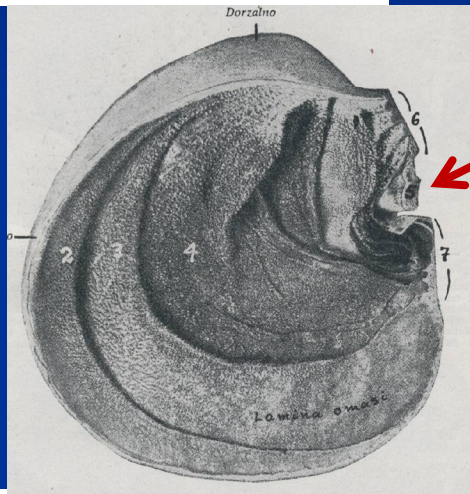


OMASUM (LISTAVAC)

Ostium reticulo-omasicum (6)

Ostium omaso-abomasicum (7)

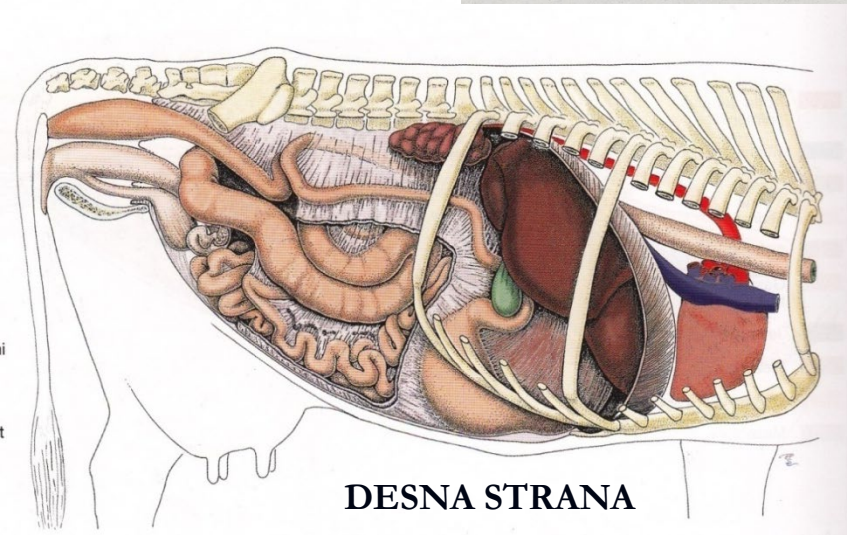
Sulcus omasi



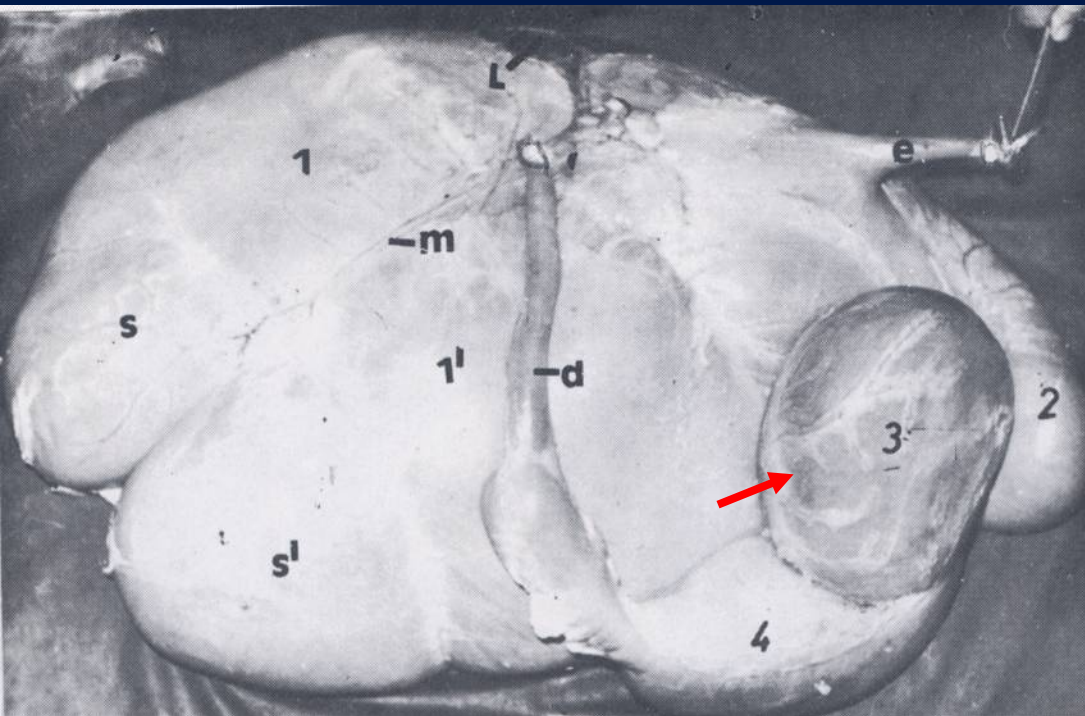
POLOŽAJ LISTAVCA:

- U intratorakalnom delu trbušne duplje

- Desno od medijane ravni



GRAĐA ZIDA LISTAVCA



Tunica serosa

Tunica muscularis

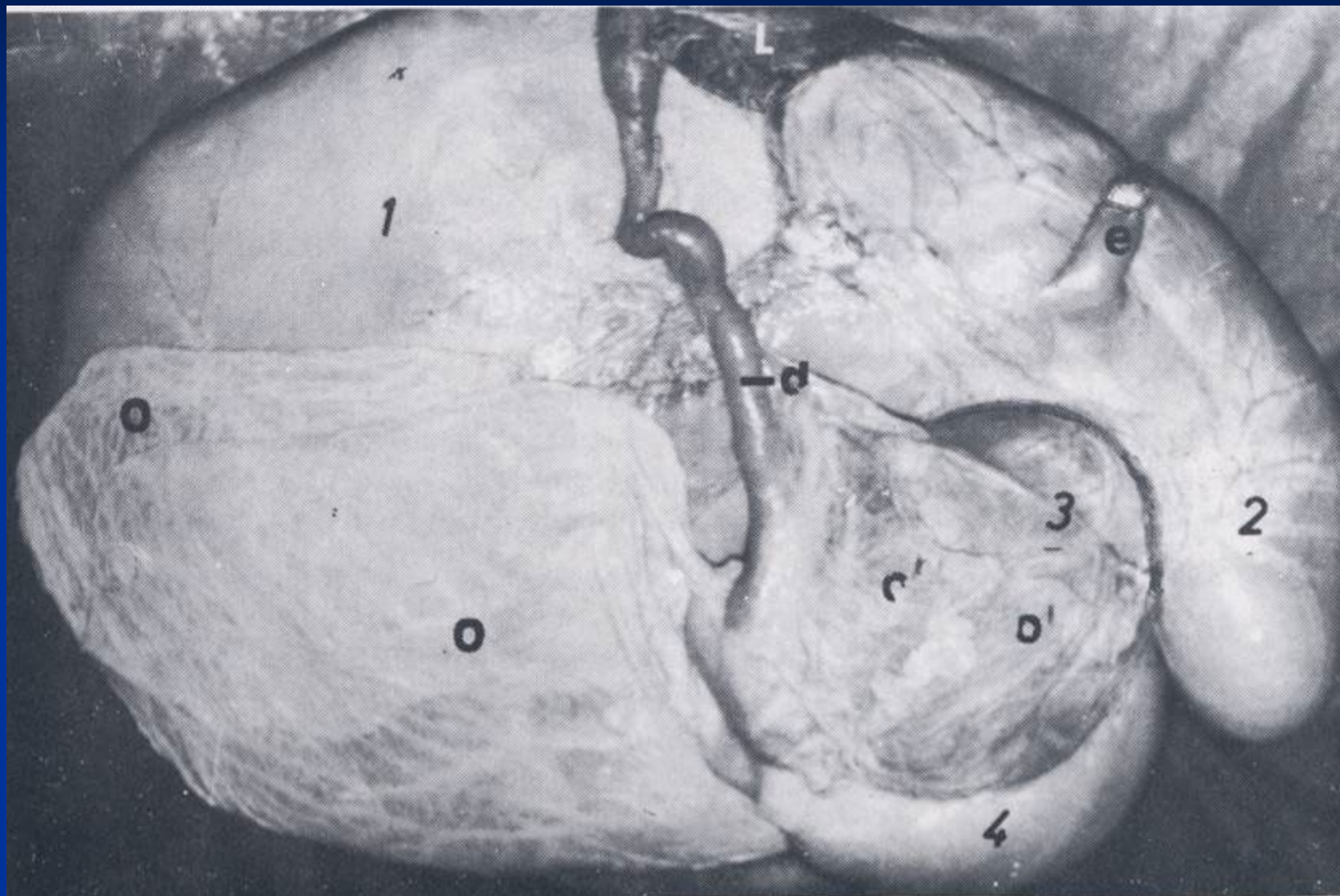
Tunica submucosa

Tunica mucosa

- **Laminae omasi**

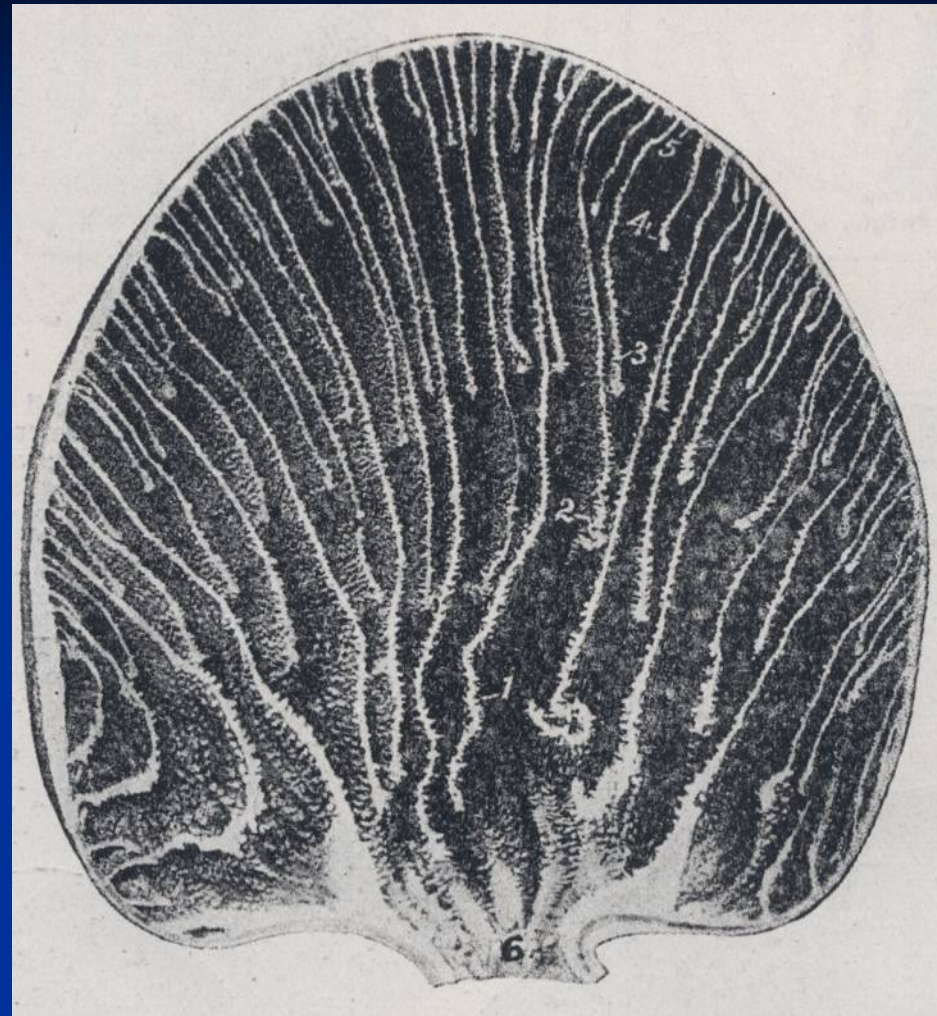
- **Recessus interlaminares**

- **Papillae omasi**



**Desna strana želuca preživara.
Vide se Omentum majus i Omentum minus
(velika i mala trbušna maramica)**

Omasum et Laminae omasi

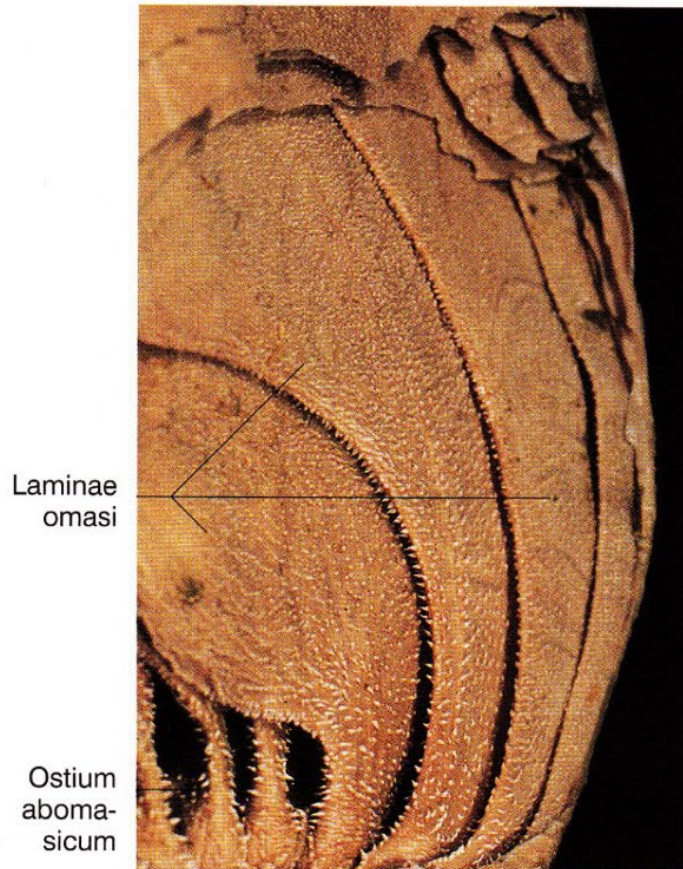


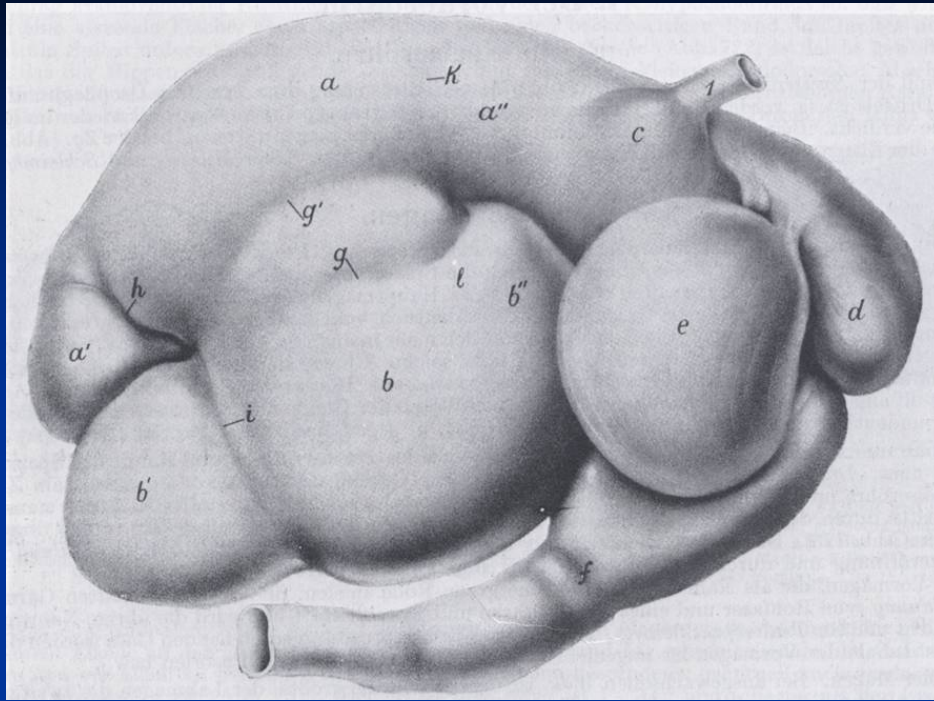
LISTOVI LISTAVCA:

- VELIKI
- SREDNJI
- MALI
- NAJMANJI

Hrana se sitni i cedi između listova listavca i apsorbuje se voda.

Laminae omasi





ABOMASUM (SIRIŠTE)

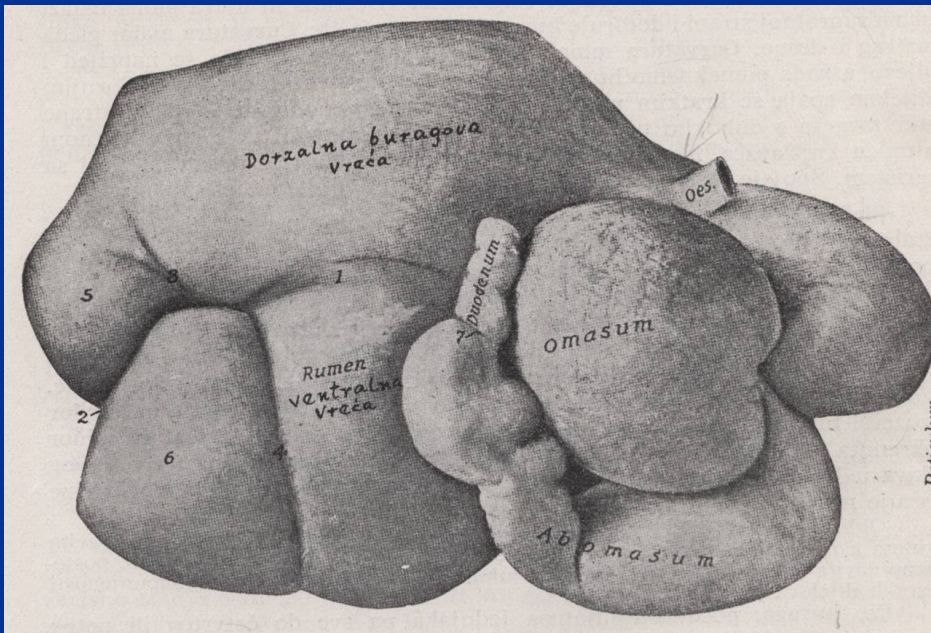
- ima odlike jednokomornog
prostog želuca
(žlezdana sluzokoža)

Curvatura major

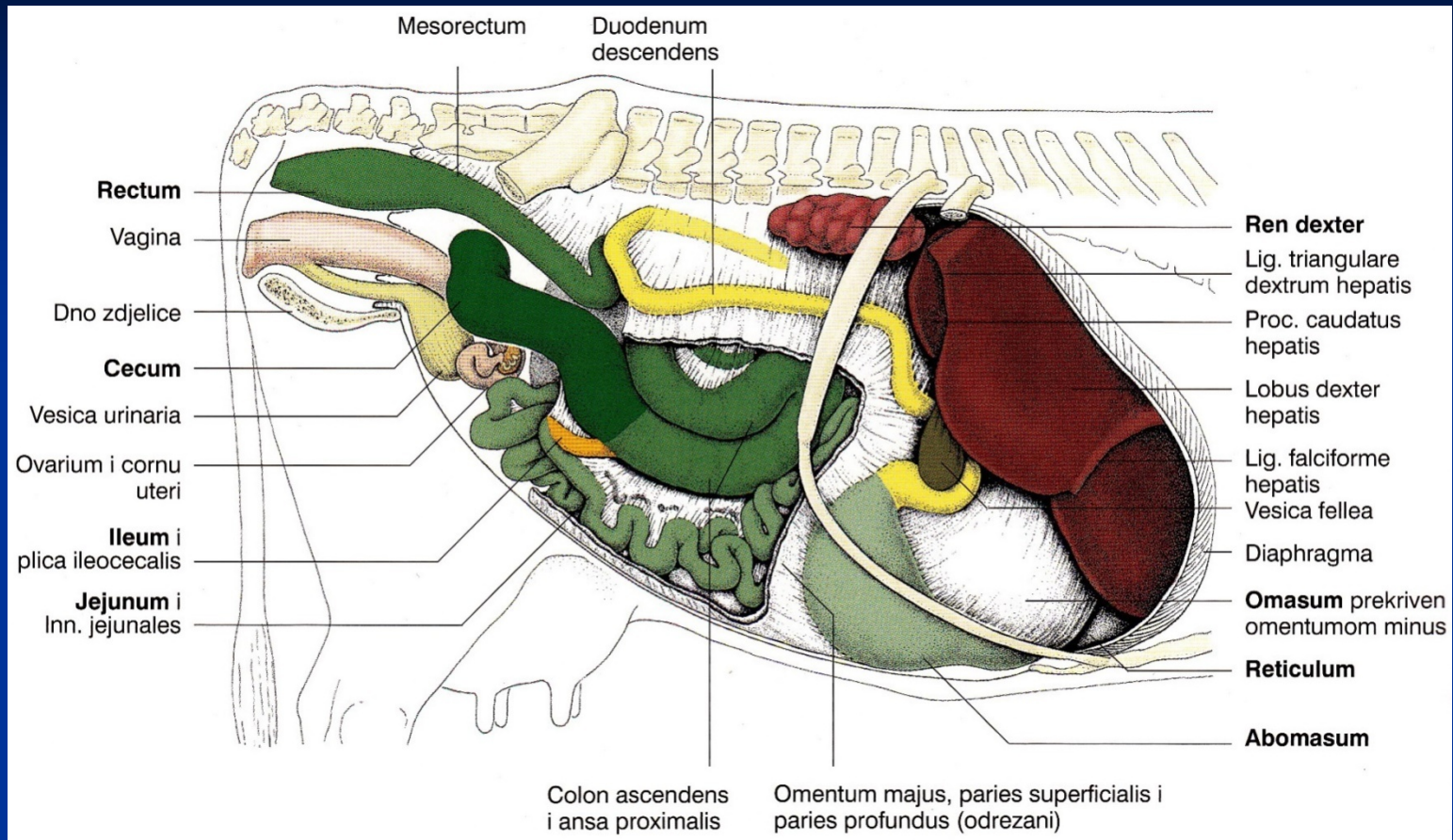
Curvatura minor

**Pars fundica abomasi
(prošireni deo sirišta)**

**Pars pylorica abomasi
(suženi deo sirišta)**



POLOŽAJ SIRIŠTA

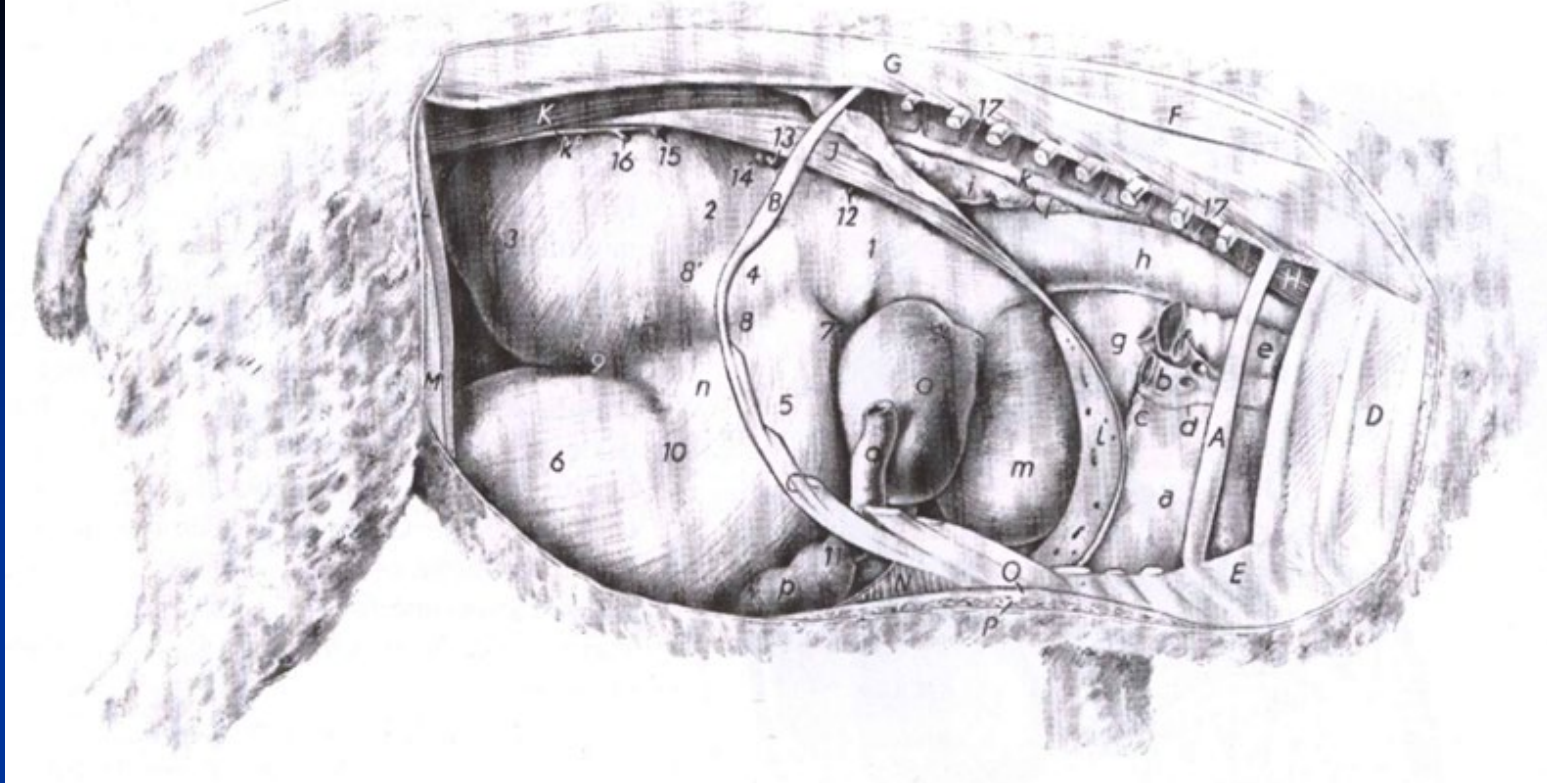


- Naleže na ventralni trbušni zid
- Kranijalni (prošireni) deo sirišta je levo od medijane ravni
- Kaudalni (suženi) deo sirišta je desno od medijane ravni

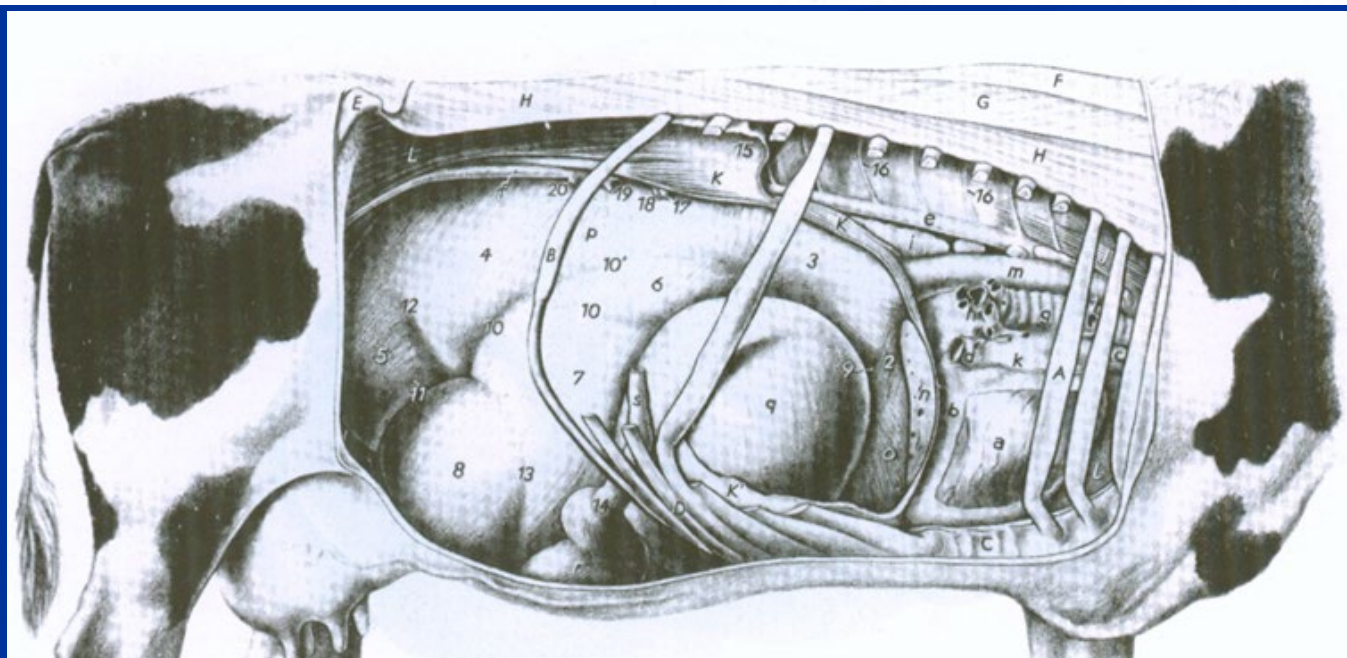
POLOŽAJ SIRIŠTA

OVCA

(desna strana)



KRAVA
(desna strana)



GRAĐA ZIDA SIRIŠTA

Tunica serosa

Tunica muscularis

M. sphincter pylori

Torus pyloricus

Tunica submucosa

*Tunica mucosa – žlezdana
sluzokoža*

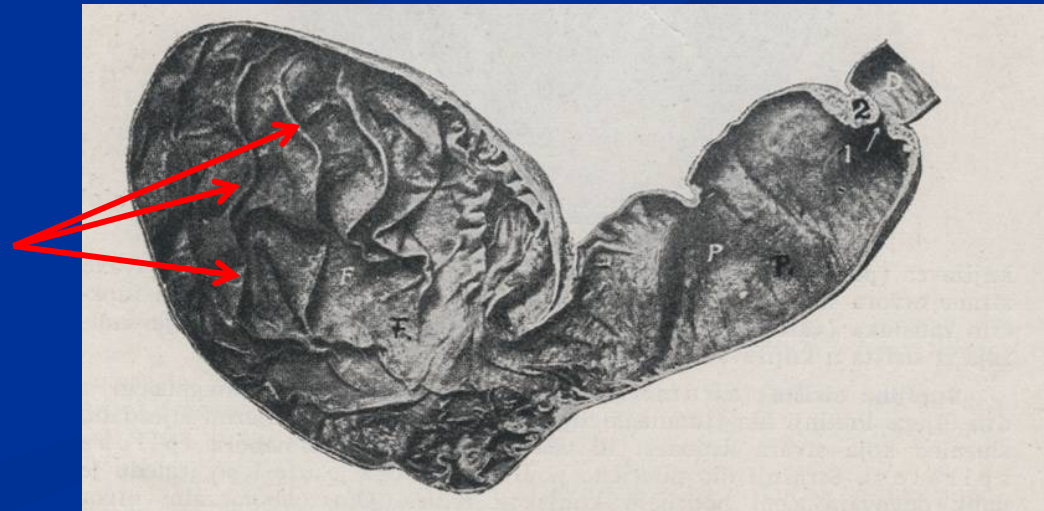
Pars cardiaca

Pars fundica

Pars pylorica

Plicae spirales abomasi

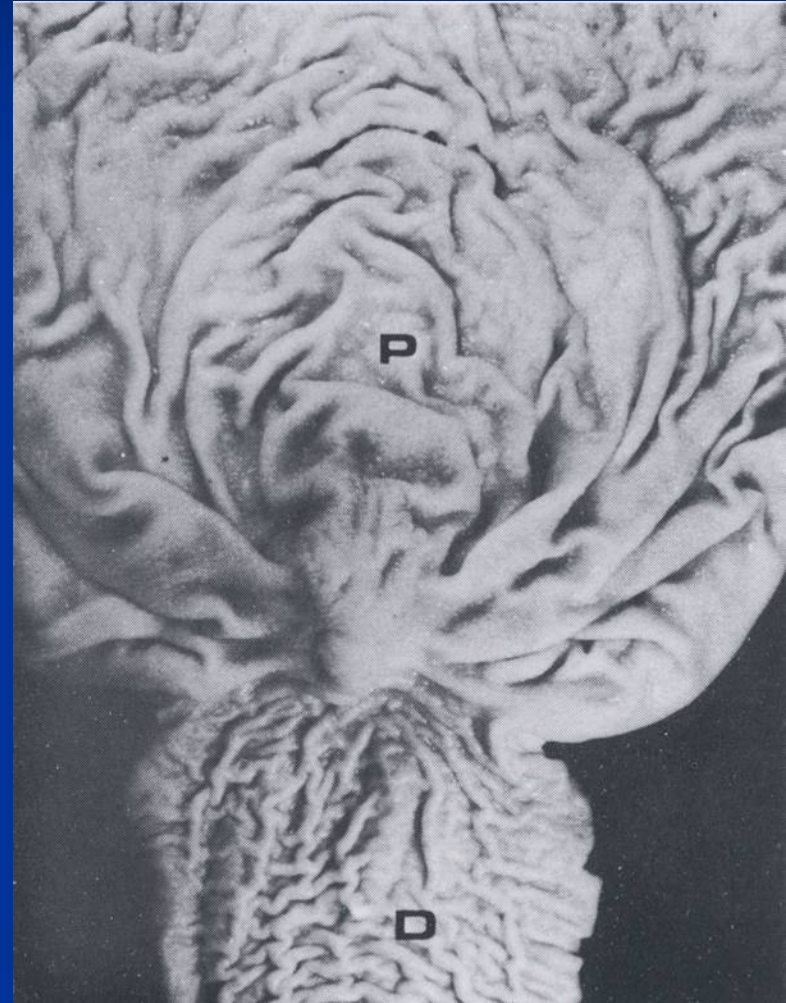
Foveolae gastricae

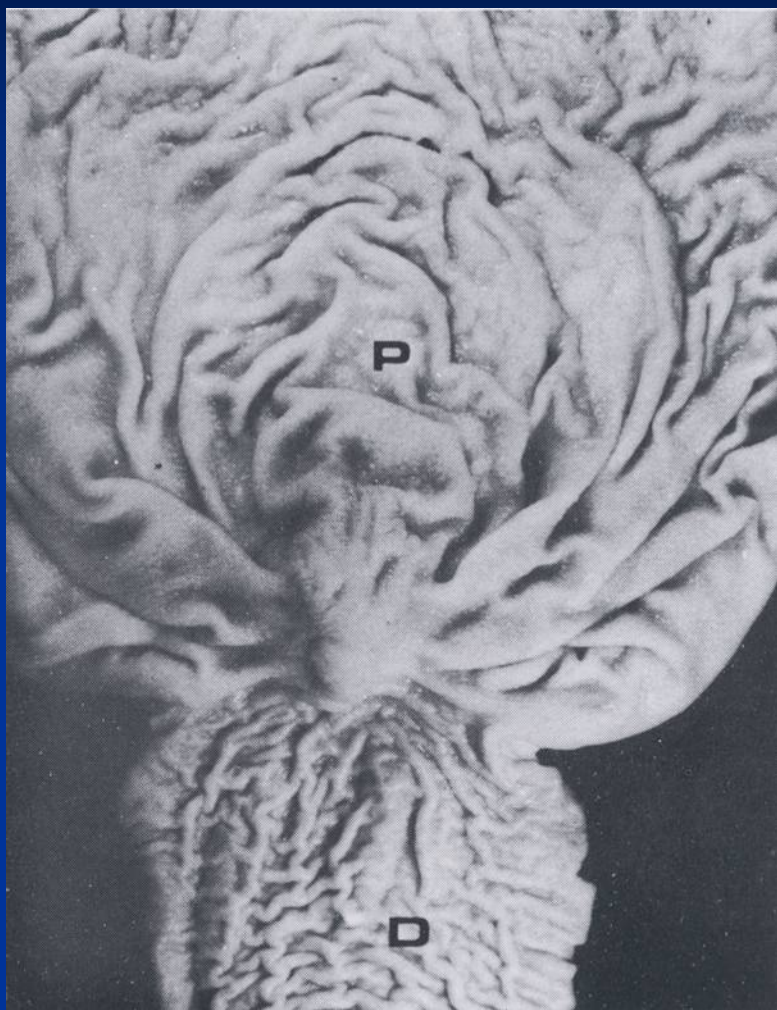


Plicae spirales abomasi u
proširenom delu sirišta



Znatno niži, nestalni nabori u
suženom, pilorusnom delu sirišta
koji se pružaju u raznim pravcima

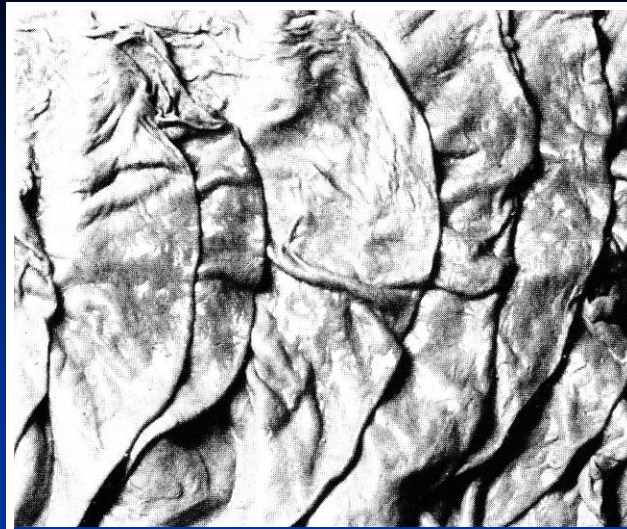
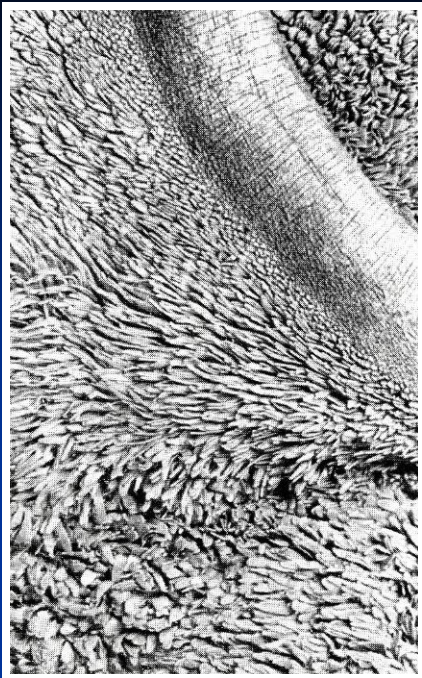




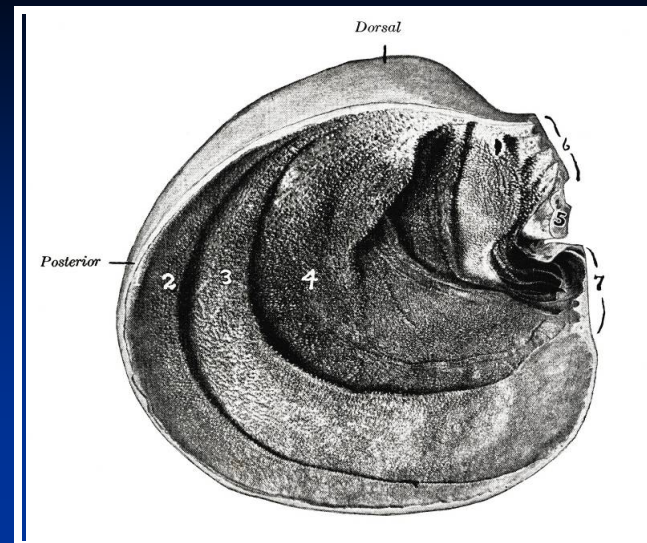
**Žlezdana sluzokoža Abomasum-a
(pars pylorica)**



***Foveolae gastricae et Areae gastricae
(pars pylorica)***



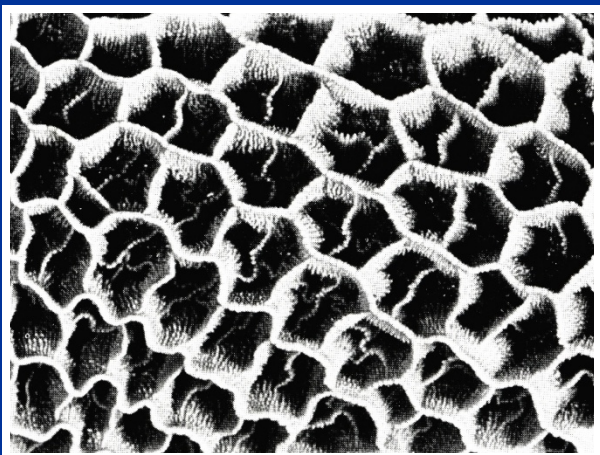
SIRIŠTE – *Plicae spirales*



LISTAVAC – *Laminae omasi*

BURAG

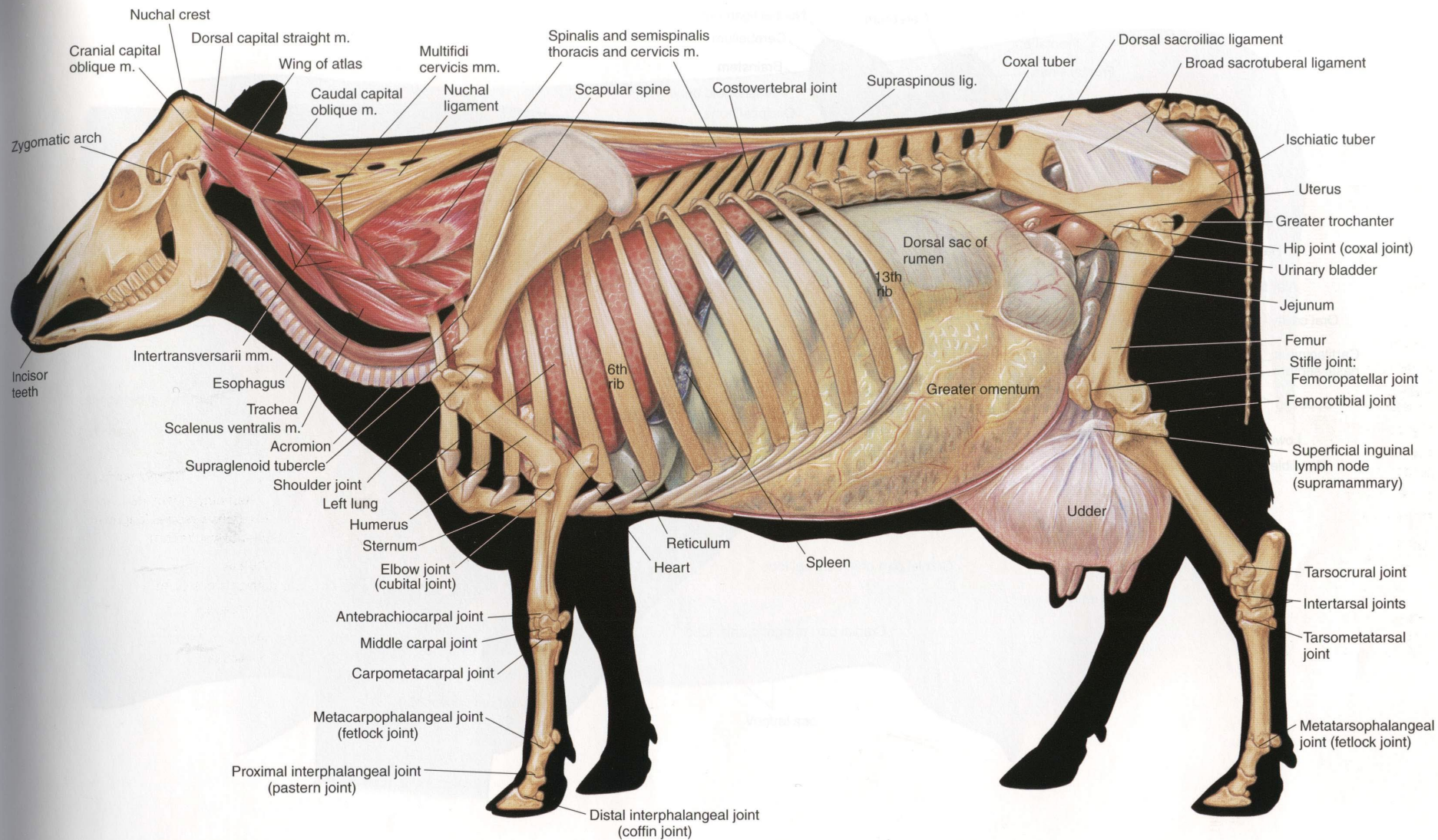
Papillae et pilae ruminis



MREŽAVAC – *Celulae reticuli*

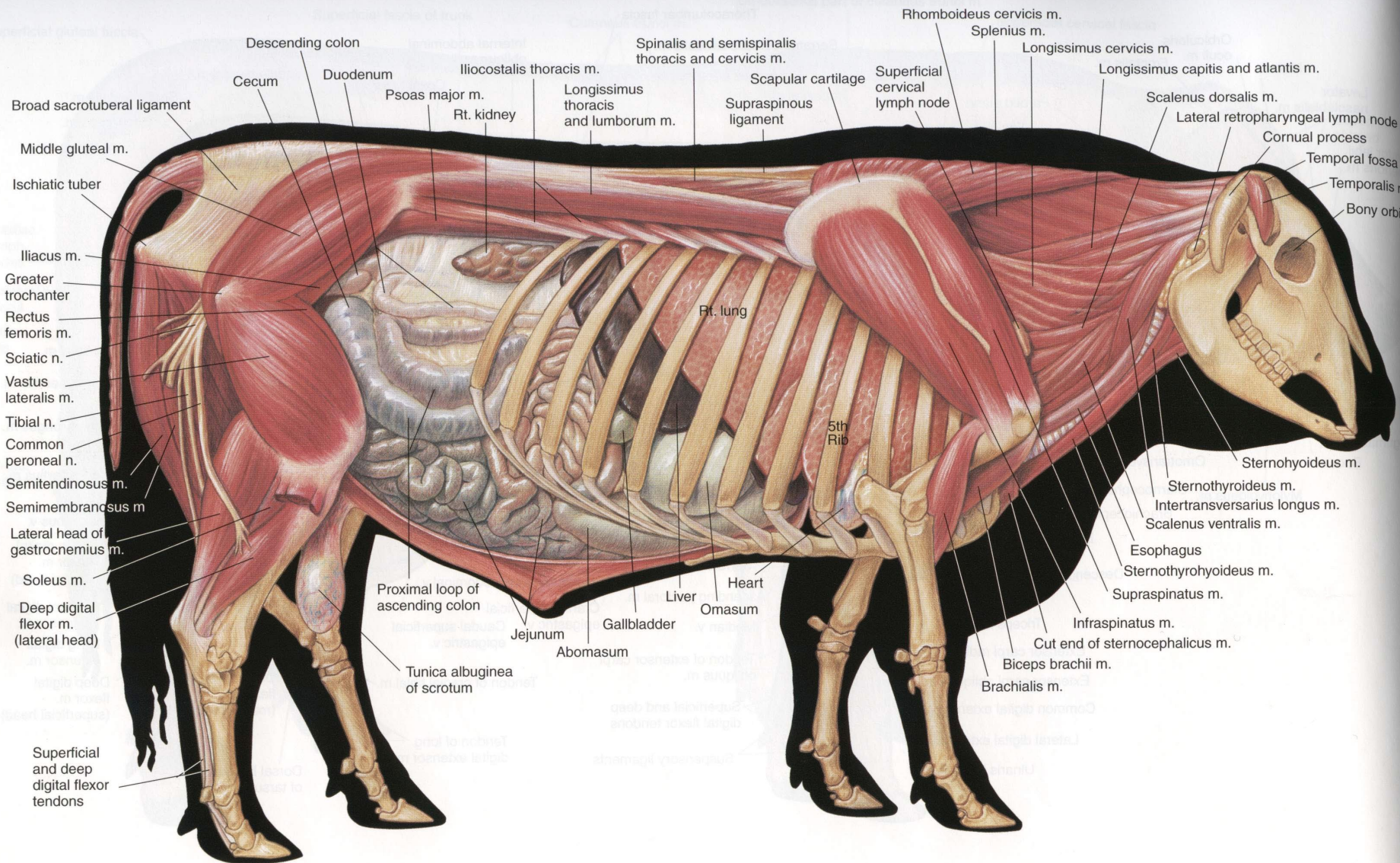


SIRIŠTE – pilorusni deo



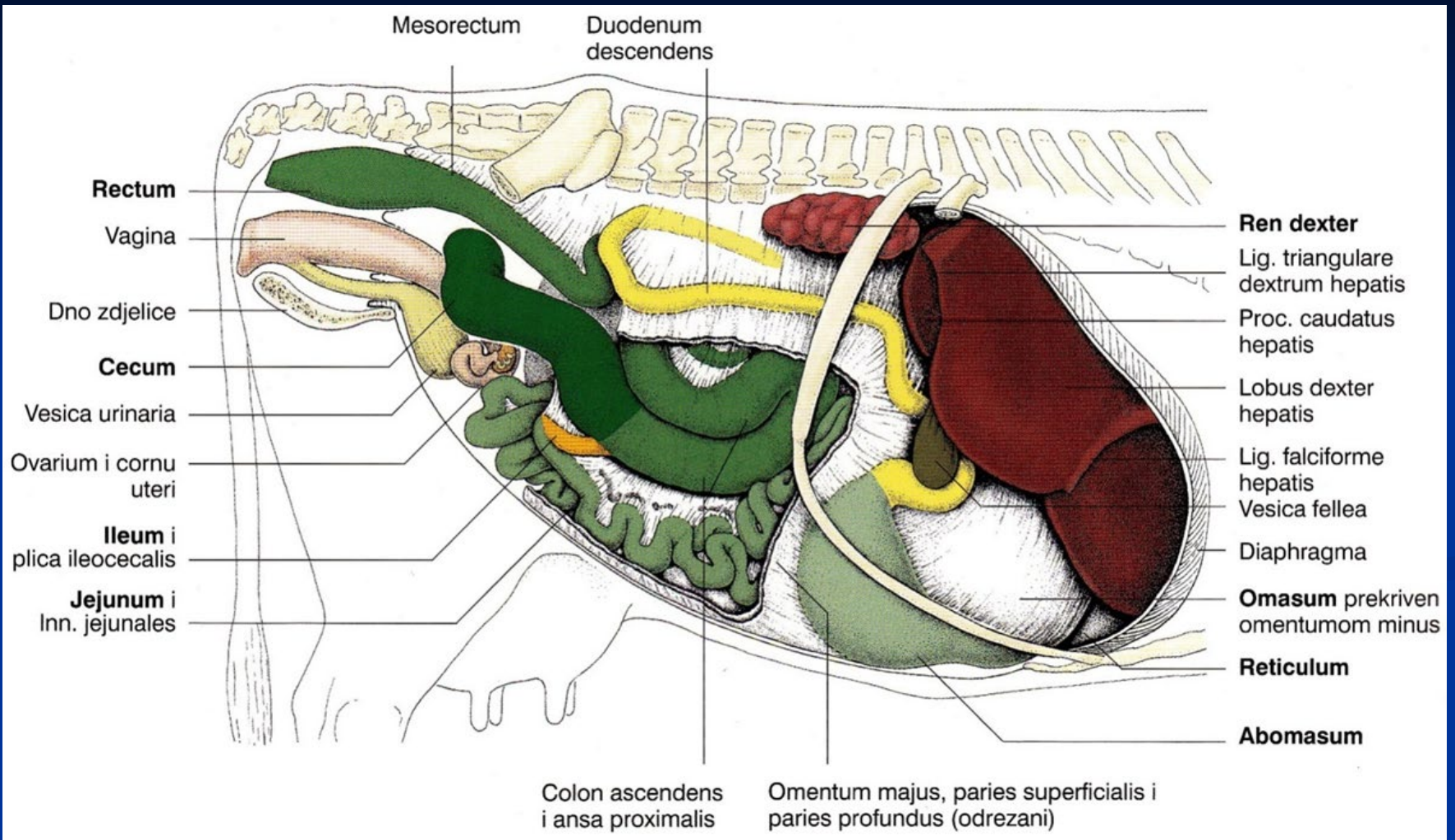
LEVA STRANA

PLATE 2.8 Deep cervical muscles, major joints, *in situ* viscera, and udder of the cow.
Left lateral view. m = muscle, lig = ligament



DESNA STRANA

PLATE 2.7 Deep cervical muscles and *in situ* viscera of the bull. Greater omentum removed. Right lateral view. m = muscle, n = nerve



DESNA STRANA

HVALA NA PAŽNJI