



# NECROPSY -RUMINANTS-

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# NECROPSY POSITION

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- ✦ *The rumen takes up a large portion of the abdominal cavity*
- ✦ *The animal is laid on its left side*
- ✦ *In newborns, abomasum is bigger than the rumen, so the animal can be laid on its right side*
- ✦ *Ventro-dorsal position can be preferred for calves and small ruminants*

# SKINING AND DETACHING EXTREMITIES

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- ✦ *The skin has an economical value, so it should be removed totally before proceeding with opening the body cavities*
- ✦ *Omphalogen infections are particularly important in newborns, so the umbilical cord should be examined thoroughly*
- ✦ *Seperate the limbs after finishing skinning, check the lymph nodes, subcutis, and muscles*

# REMOVING THE ABDOMINAL ORGANS

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- ✦ *Remove the omentum first*
- ✦ *Tie two knots on the beginning of duodenum and cut in between*
- ✦ *Seperate the duodenum from the mesenterial connections until you reach the liver*
- ✦ *Pass the flexura hepatis, and tie two knots on the beginning of pars descendens of the duodenum, close to the domed part of the right kidney*
- ✦ *Cut between the knots and leave this part of the duodenum on the carcass to take out with liver later*

# REMOVING THE ABDOMINAL ORGANS

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- ✦ *To take out the small intestines, find the caecum and tie two knots on the last part of ileum and cut in between*
- ✦ *Then, holding the cut part of the ileum, separate the small intestines from the mesenterial connections all the way up to duodenum*
- ✦ *For that, you may need to pull the large intestines out to see the pars ascendens of duodenum*

# REMOVING THE ABDOMINAL ORGANS

- ✦ *Caecum and colon are taken out together*
- ✦ *To take out the large intestines, find the rectum in the pelvic cavity, tie two knots, and cut in between*
- ✦ *Then, either take the caecum and colons out without separating from the mesenterial connections, and separate them outside the cadaver*
- ✦ *Or, start uncoiling the colons starting from ansa centralis, (where gyri sentripedalis turns to gyri centrifugalis) following the spiral, then remove the connections with the abdominal wall and take the large intestines out, then put them back at their place*

# REMOVING THE ABDOMINAL ORGANS

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- ✦ *To take out the stomachs, tie two knots at the end of esophageus and cut in between. Then, make a small insicion on the rumen, insert two fingers in, and pull the stomach back gently while seperating the surrounding connections*
- ✦ *Take the liver out with the left part of duodenum, pull the liver back gently and cut the connections. Check the portal lymph node, and then open the lumen of duodenum to check the bile flow*

# REMOVING THE ABDOMINAL ORGANS

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- ✦ *The pancreas is taken out with the duodenum*
- ✦ *The spleen is taken out either with omentum at first (ventro-dorsal position), or it is taken out with stomachs (left-lateral)*
- ✦ *You can either take the kidneys out separately, or together with the urinary bladder (tie the urethra)*
- ✦ *Open the pelvic cavity same as in dogs/cats or make a circular cut around the anus (and vulva/penis) and take the organs out from the abdominal cavity*

# REMOVING THE CERVICAL AND THORACAL ORGANS

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- ✦ *Upper 1/3 of the esophagus and trachea are left to remove with the tongue, larynx, thyroids, and tonsils*
- ✦ *Last 2/3 of the trachea and esophagus are taken out with the lungs and heart*