SURGICAL CORRECTION OF ATRESIA COLI IN A PIGLET

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A three day old large white Yorkshire was brought to the Teaching Veterinary Clinical Complex for treatment with the history of not voiding faeces since birth and was treated by a local veterinarian who observed the absence of anal opening and made a small opening in the
anal region. But then also the animal could not void faeces. The piglet was dull and depressed with distended abdomen. There was no natural anal opening. Plain radiography was taken which revealed distended gas filled intestinal loops. Barium enema was given through the anal opening made by the local veterinarian and contrast radiography revealed that the contrast agent abruptly stopped after passing around 1cm length which clearly indicated the case as atresia coli. Anaesthesia was induced by administering xylazine @ 1mg/kg body weight and ketamine @ 5 mg/kg body weight deep intramuscularly and mid ventral laparotomy was performed. It was observed that the intestinal loops were circular and highly distended. The colon ended as a blind sac and was seen attached to the lateral abdominal wall. The colon was resected from the abdominal wall, colostomy was performed in the left lateral abdominal wall and a cannula was fitted to the colostomy hole in order to prevent stricture formation. Laparotomy wound was closed by following standard operating procedure. Animal started voiding faeces through the lateral abdominal opening and made an uneventful recovery.