Equine alimentary diseases

(non-infectious)

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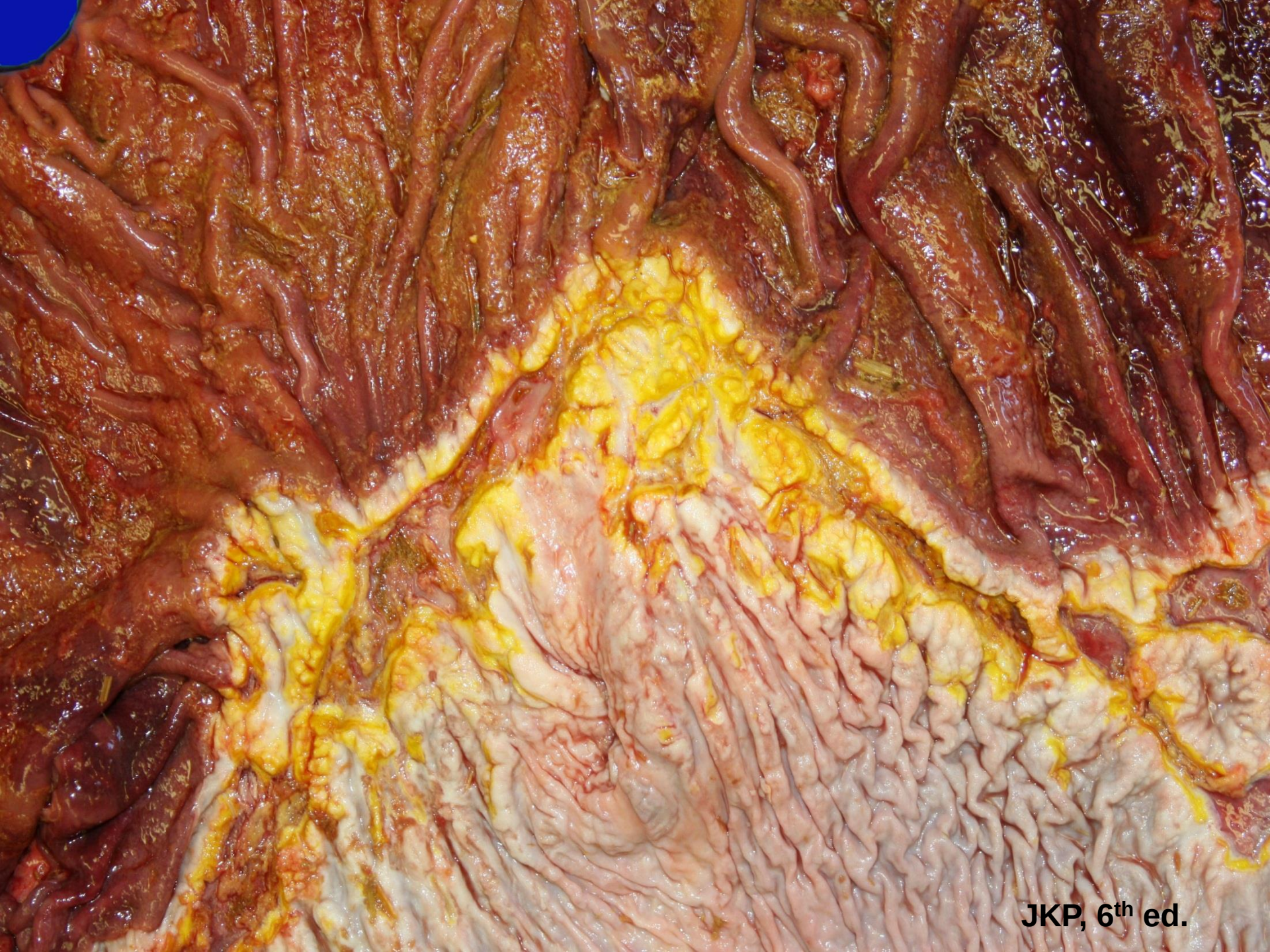
Upper alimentary system

Stomach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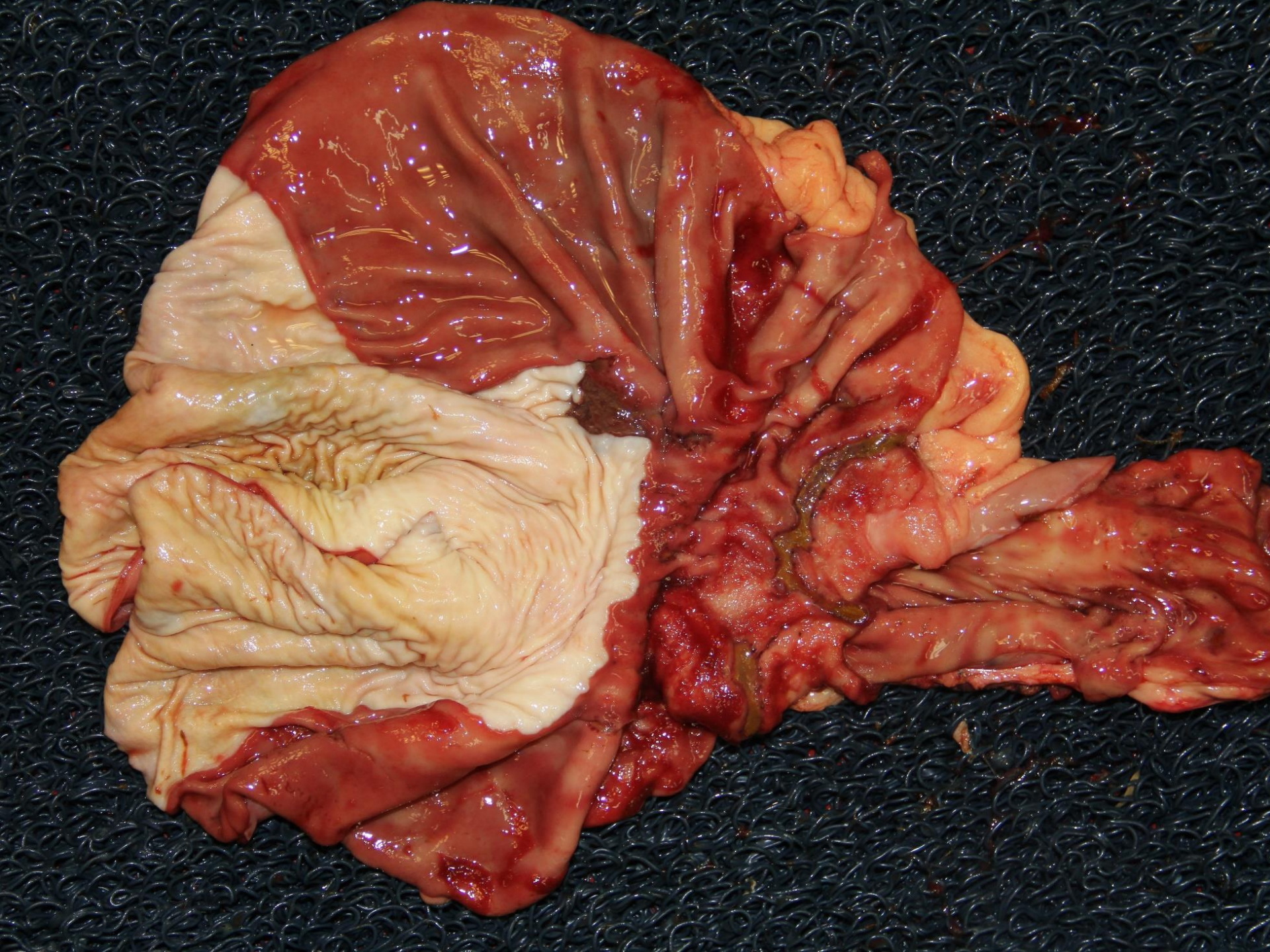
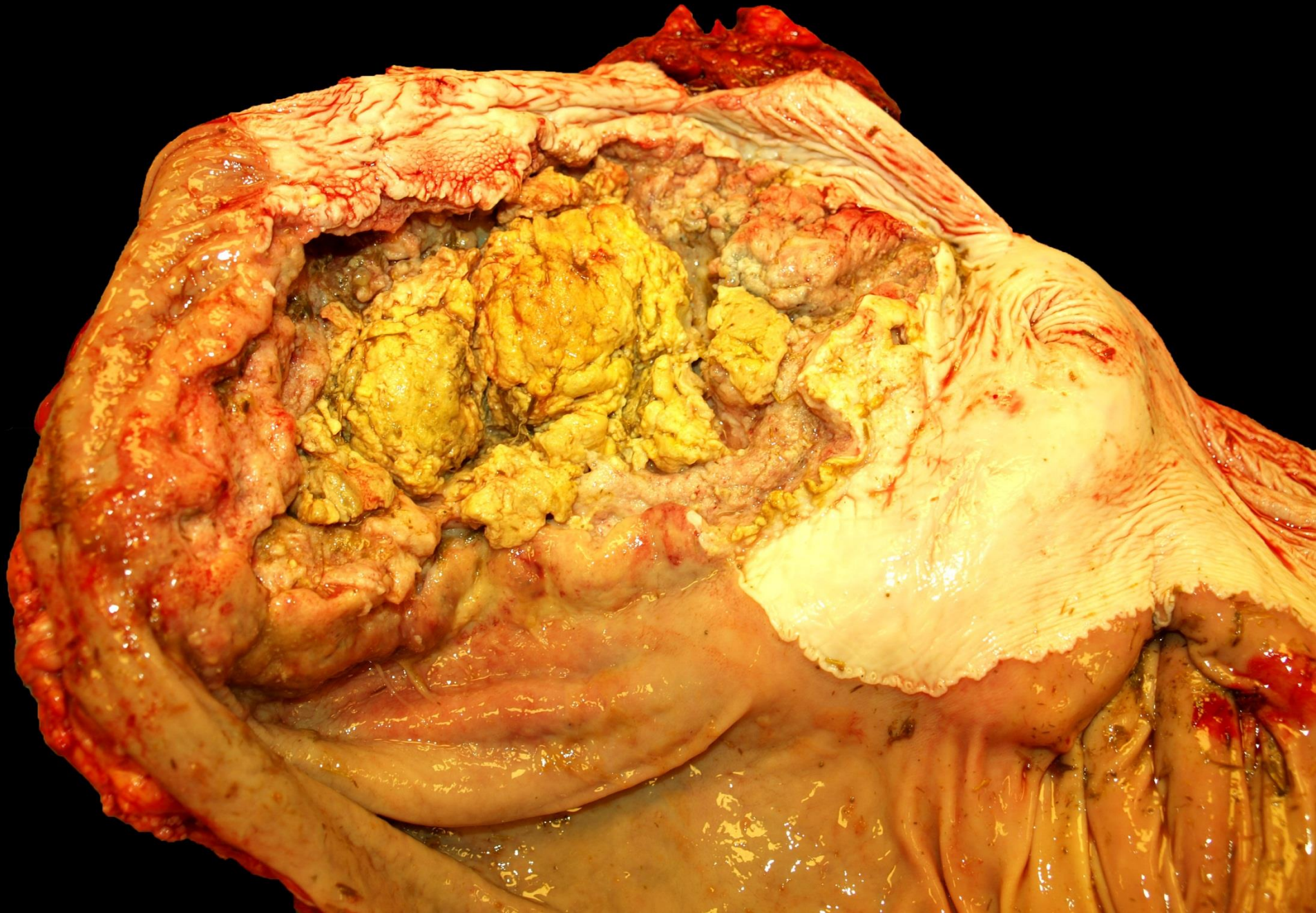
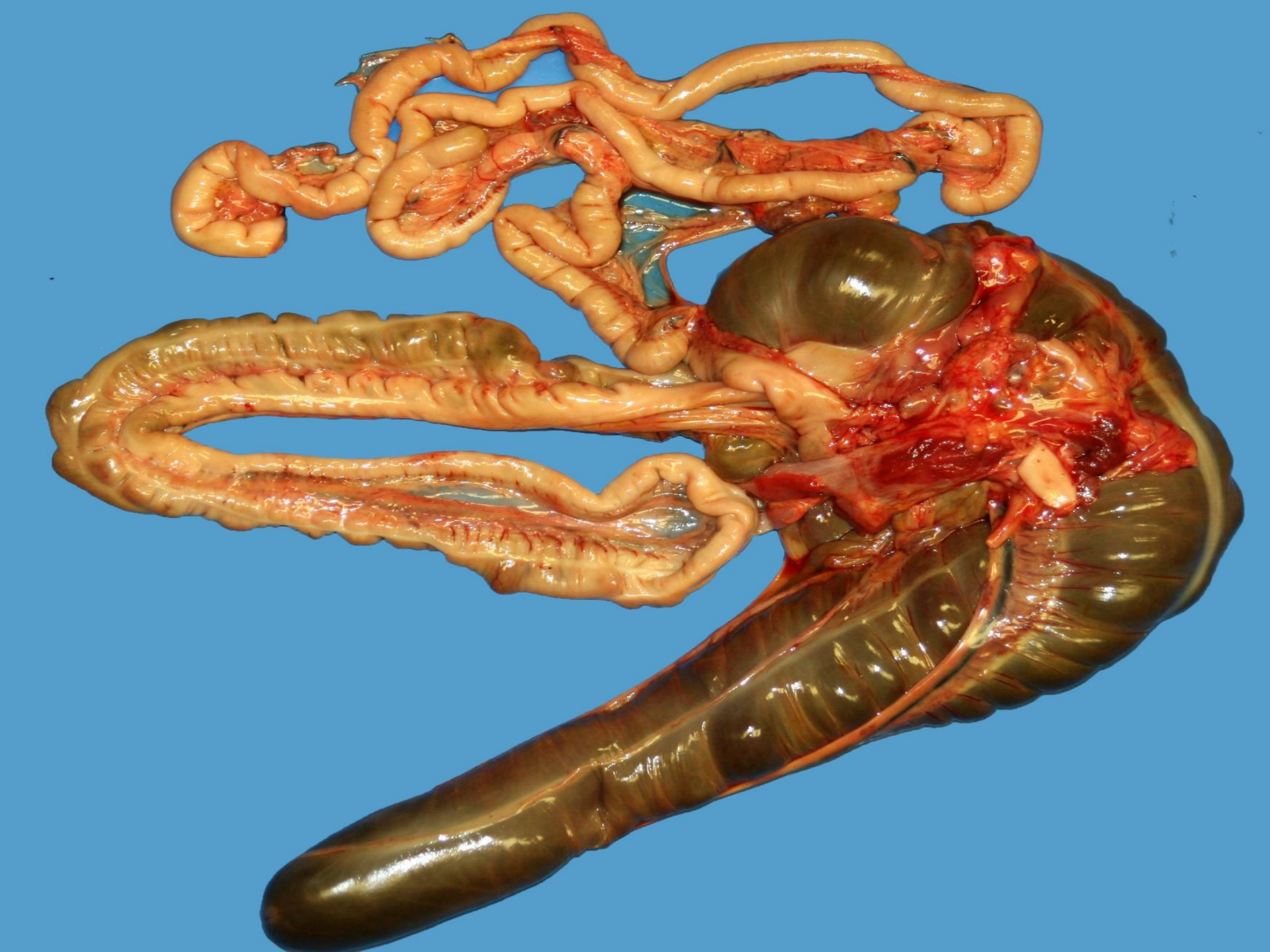


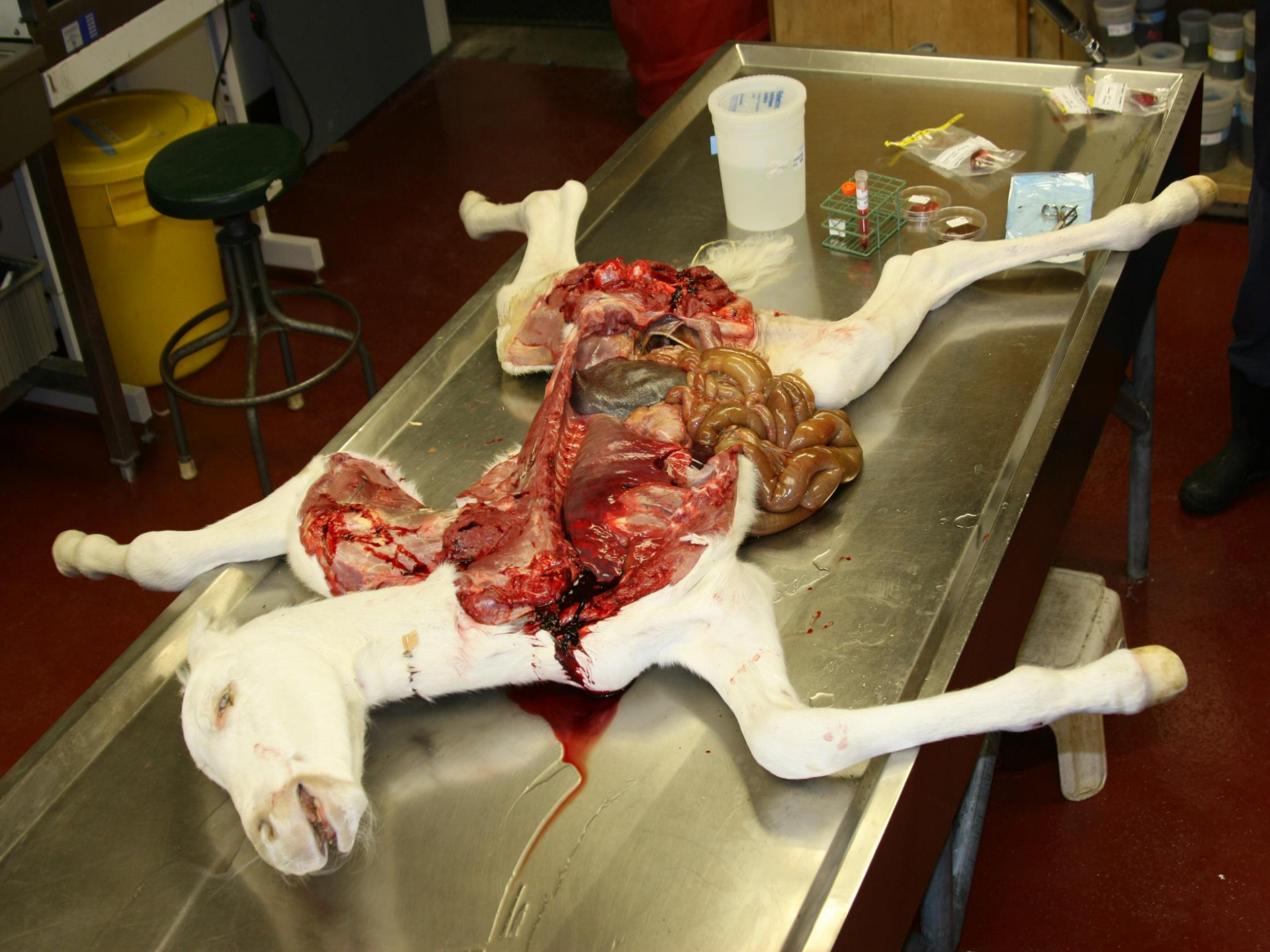


Intestine

Non-infectious equine enteritis–colitis

Developmental	
Dysbacteriosis	*?????????*
Drugs	NSAIDs
Toxic	Arsenic
	Cantharidin
	Ricin
	Oleander
Displacements	Various
Neoplasia	





Pathogenesis

Autosomal recessive condition →

mutation in the endothelin receptor type B (EDNRB) gene →

neural crest migration deficiency →

agangliosis →

lack of peristalsis →

impaction/lethal white overo syndrome

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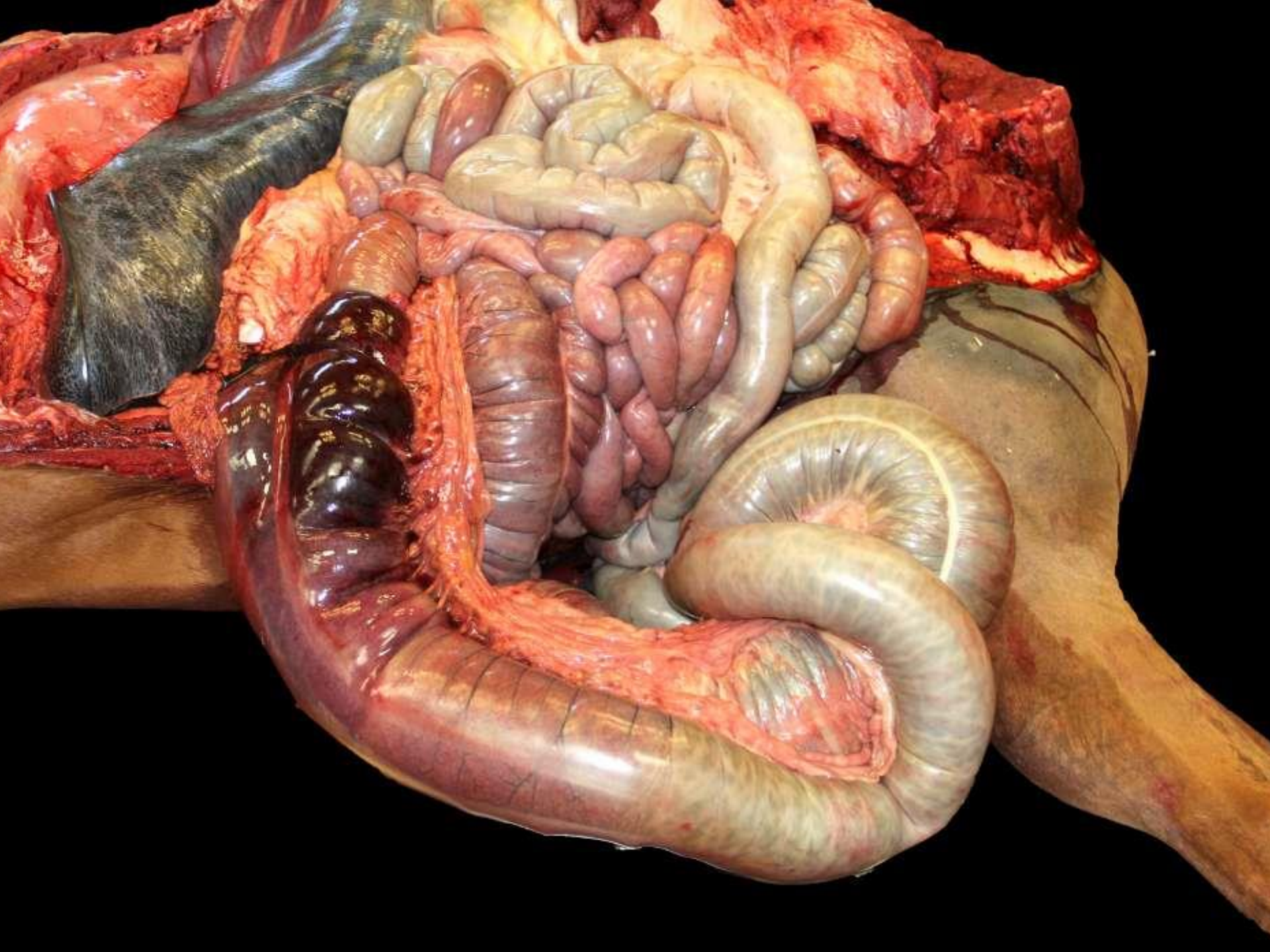

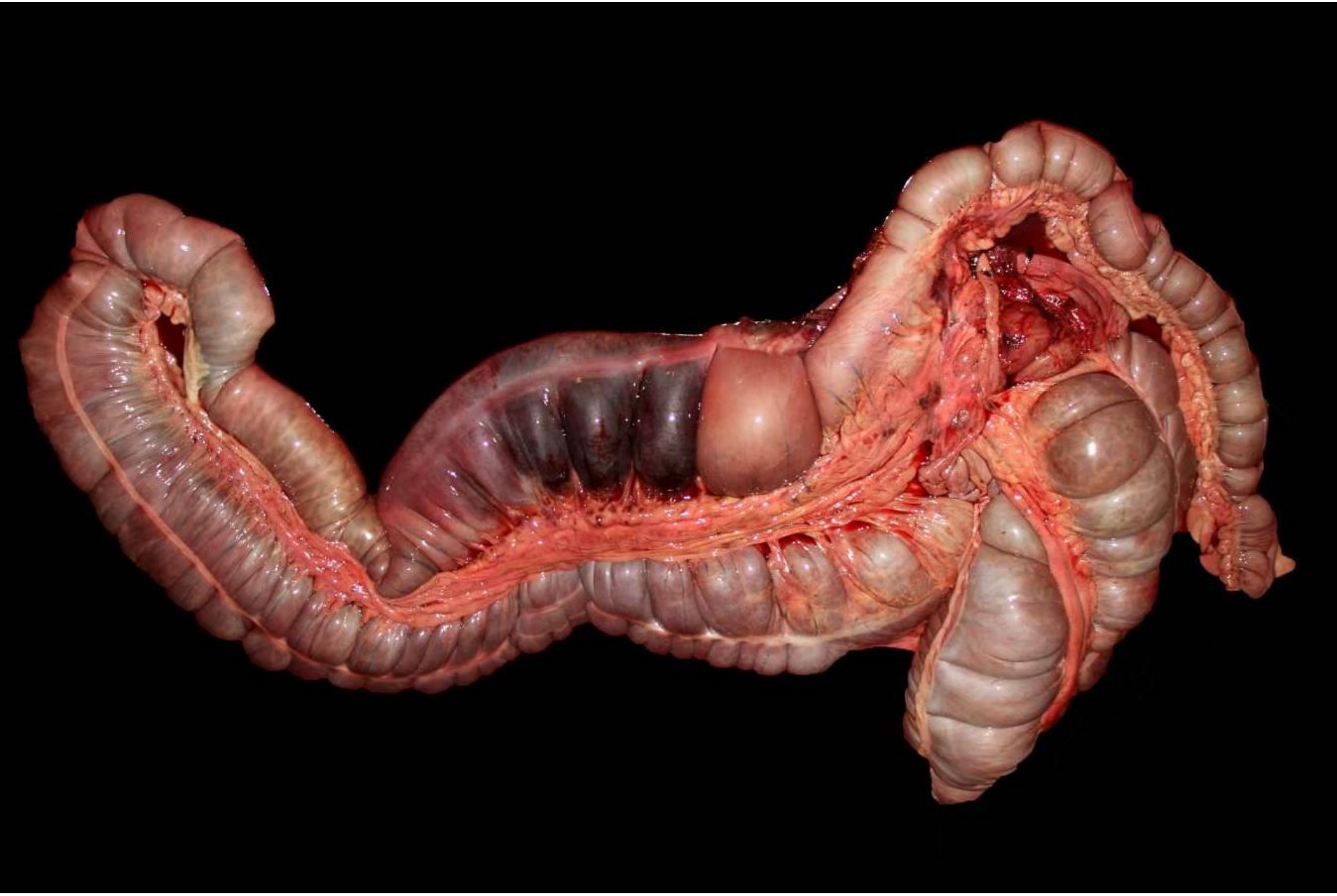

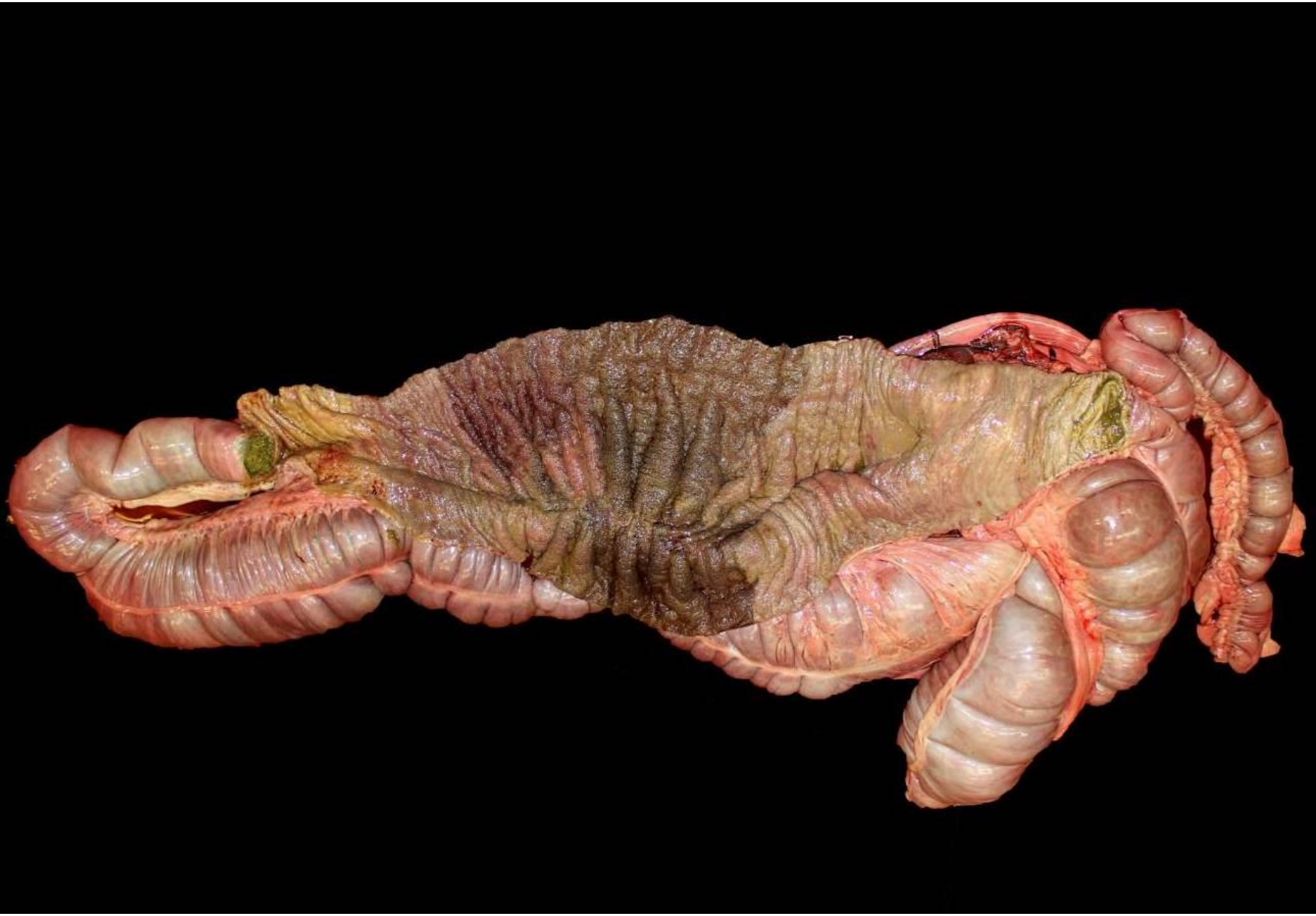

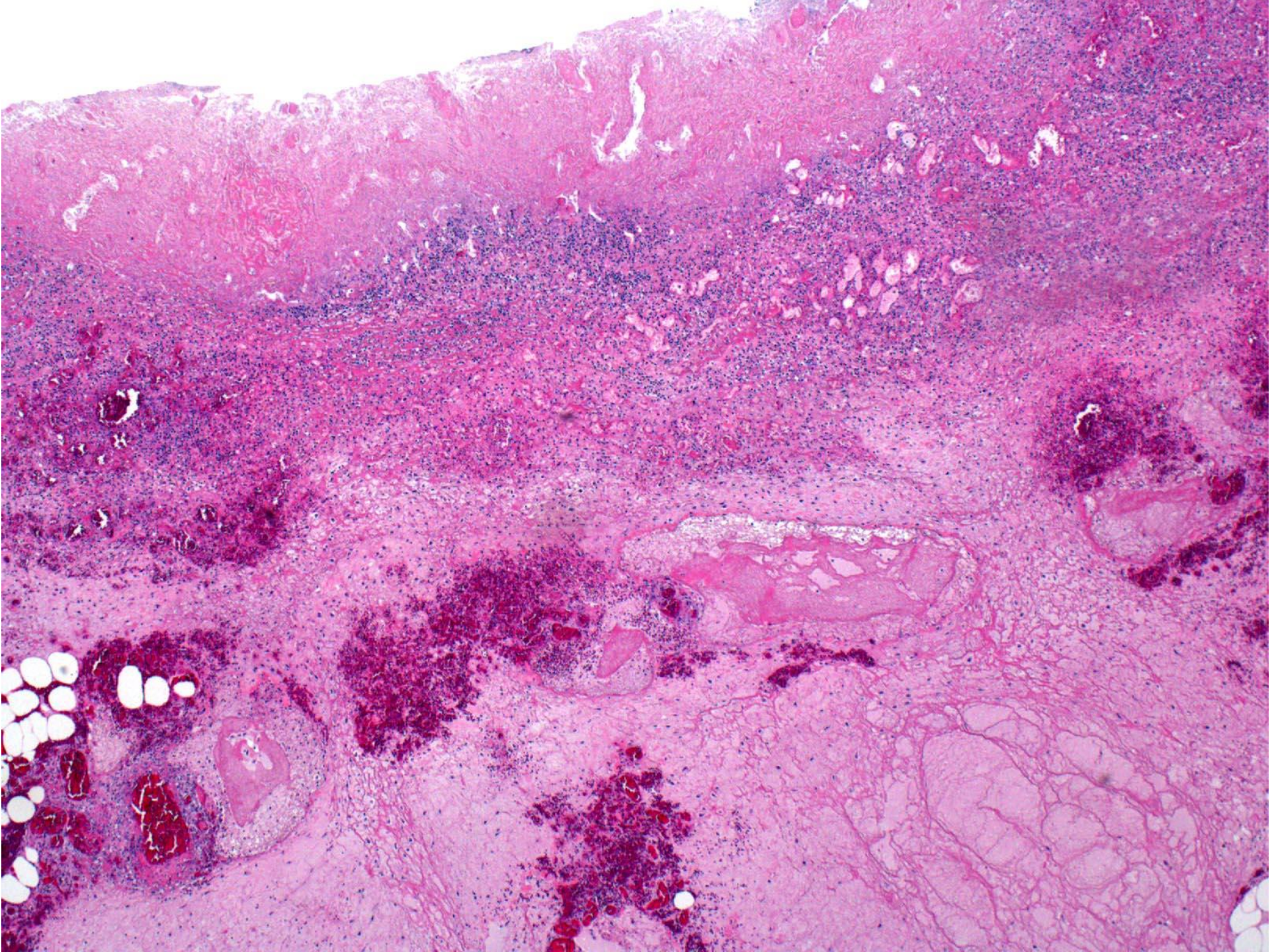

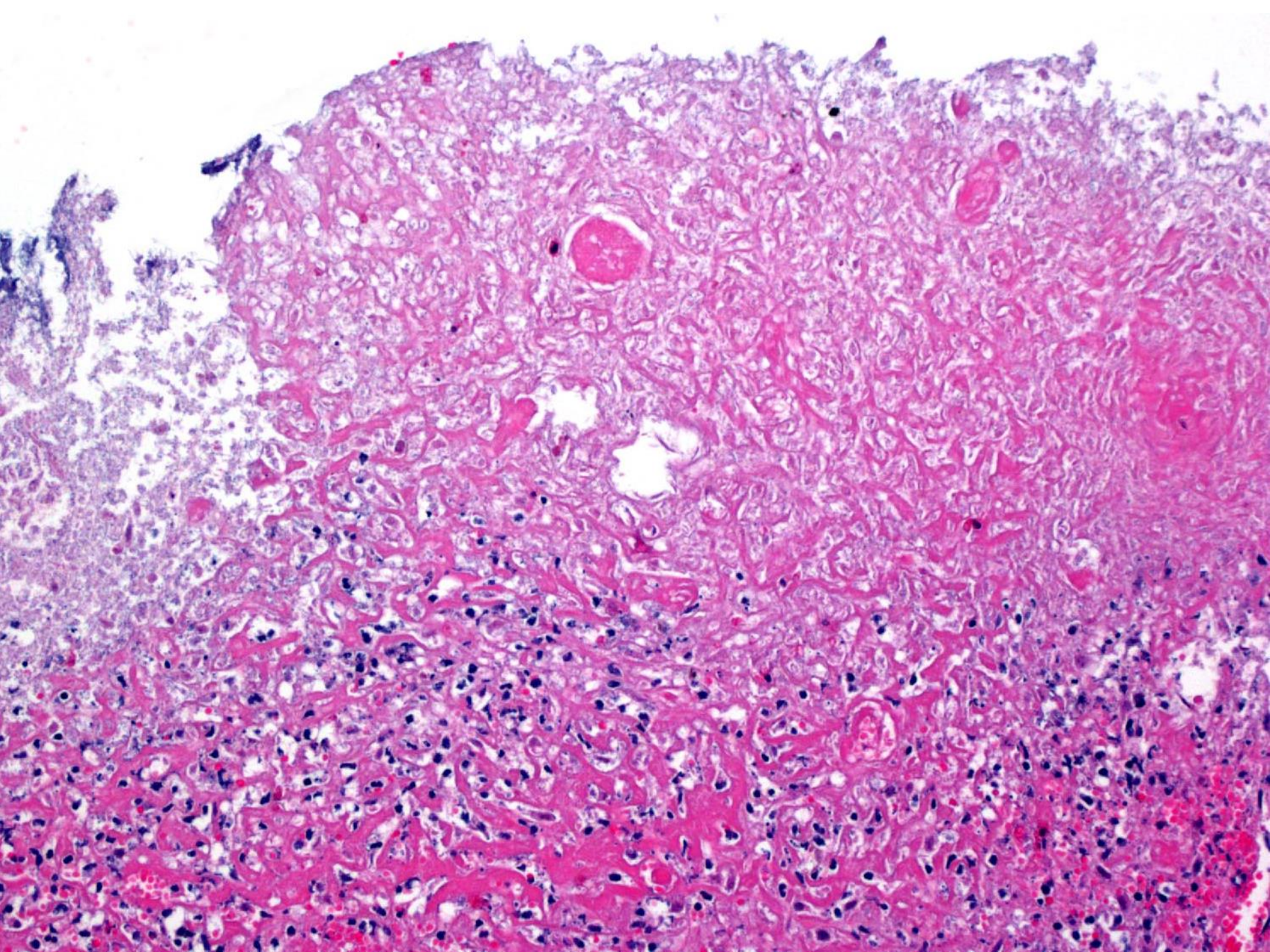

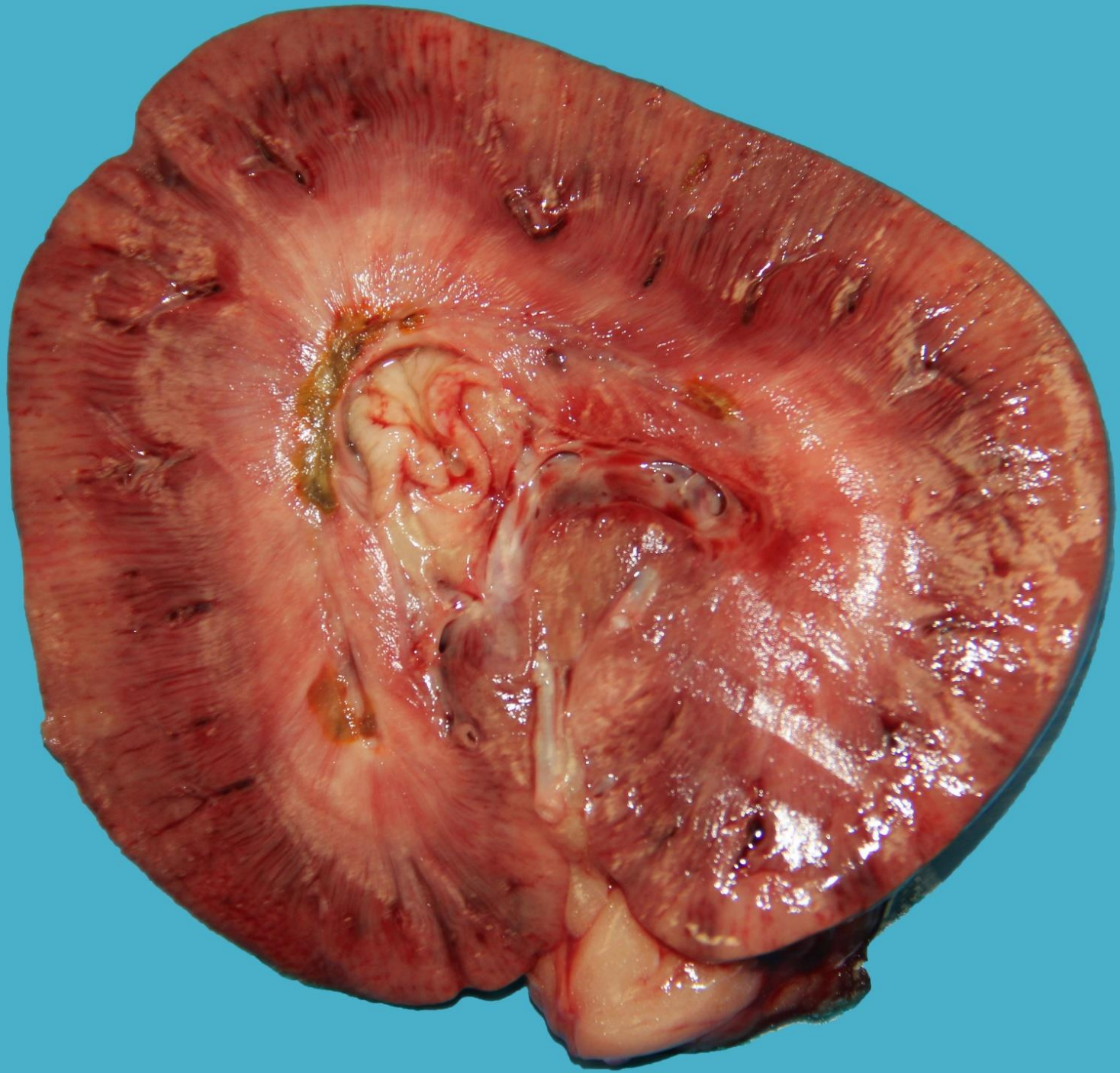

PATHOGENESIS

NSAIDs → inhibition COX 2 →

reduction Pg E_2 production →

ischemia →

necrosis, ulceration

NSAIDs

*Right dorsal colitis
*Renal papillary necrosis
*Gastric ulceration

DIAGNOSIS

1-No specific tests available
2-Lesion distribution
3-Clinical history
4-Ruling out other causes of colitis

Detection of NSAIDs

Any diagnostic value?

Non-infectious equine enteritis–colitis

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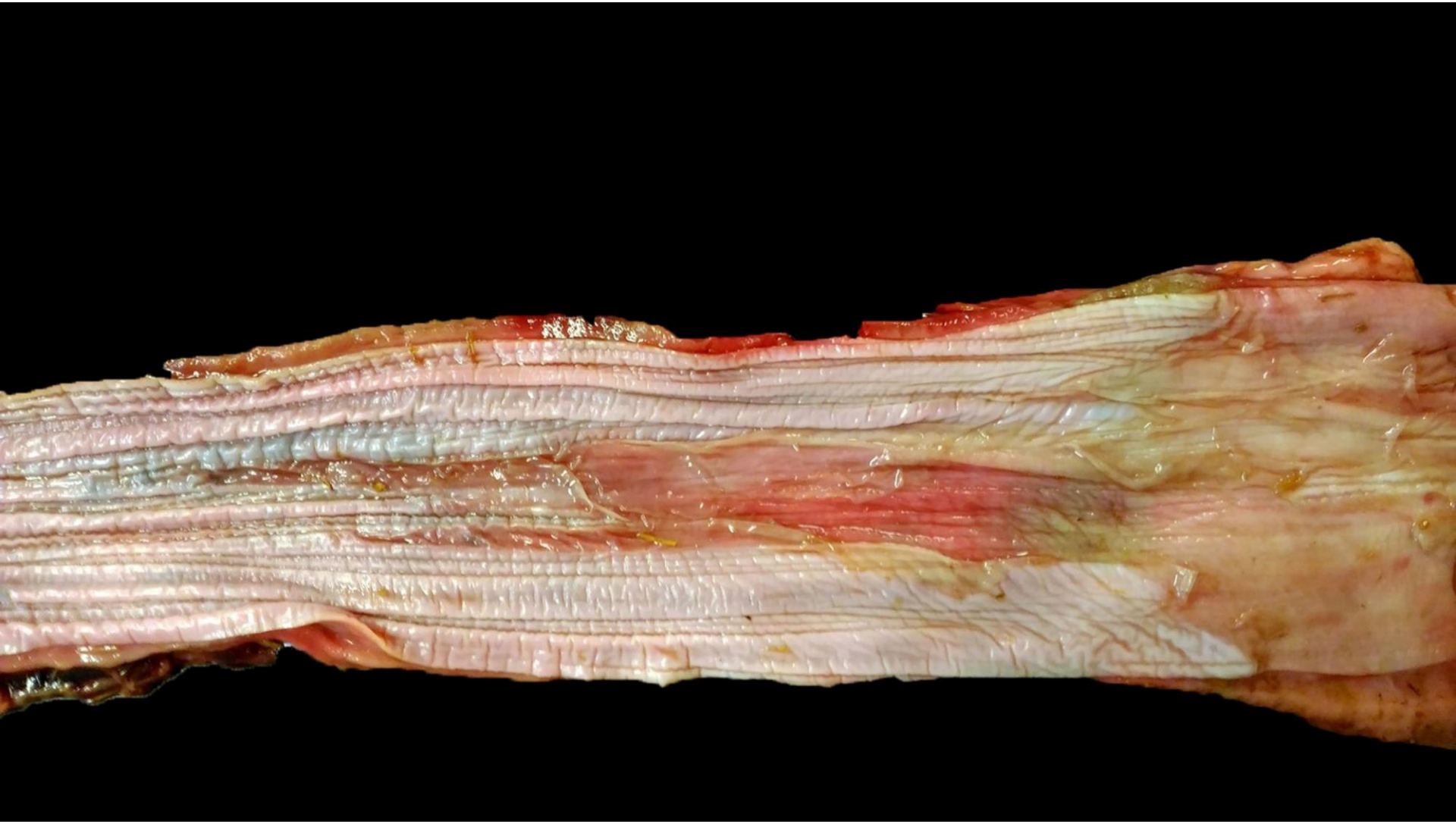

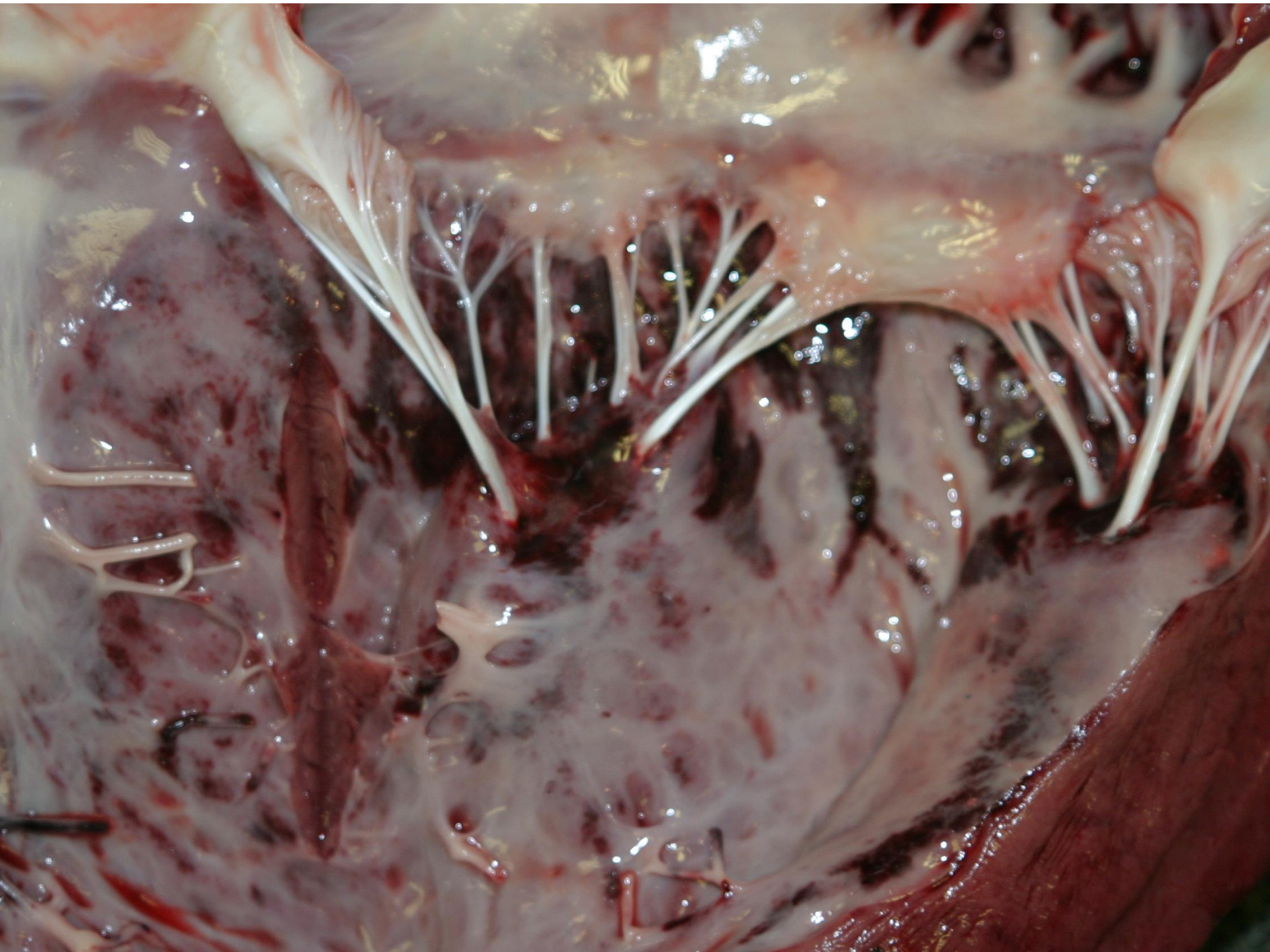

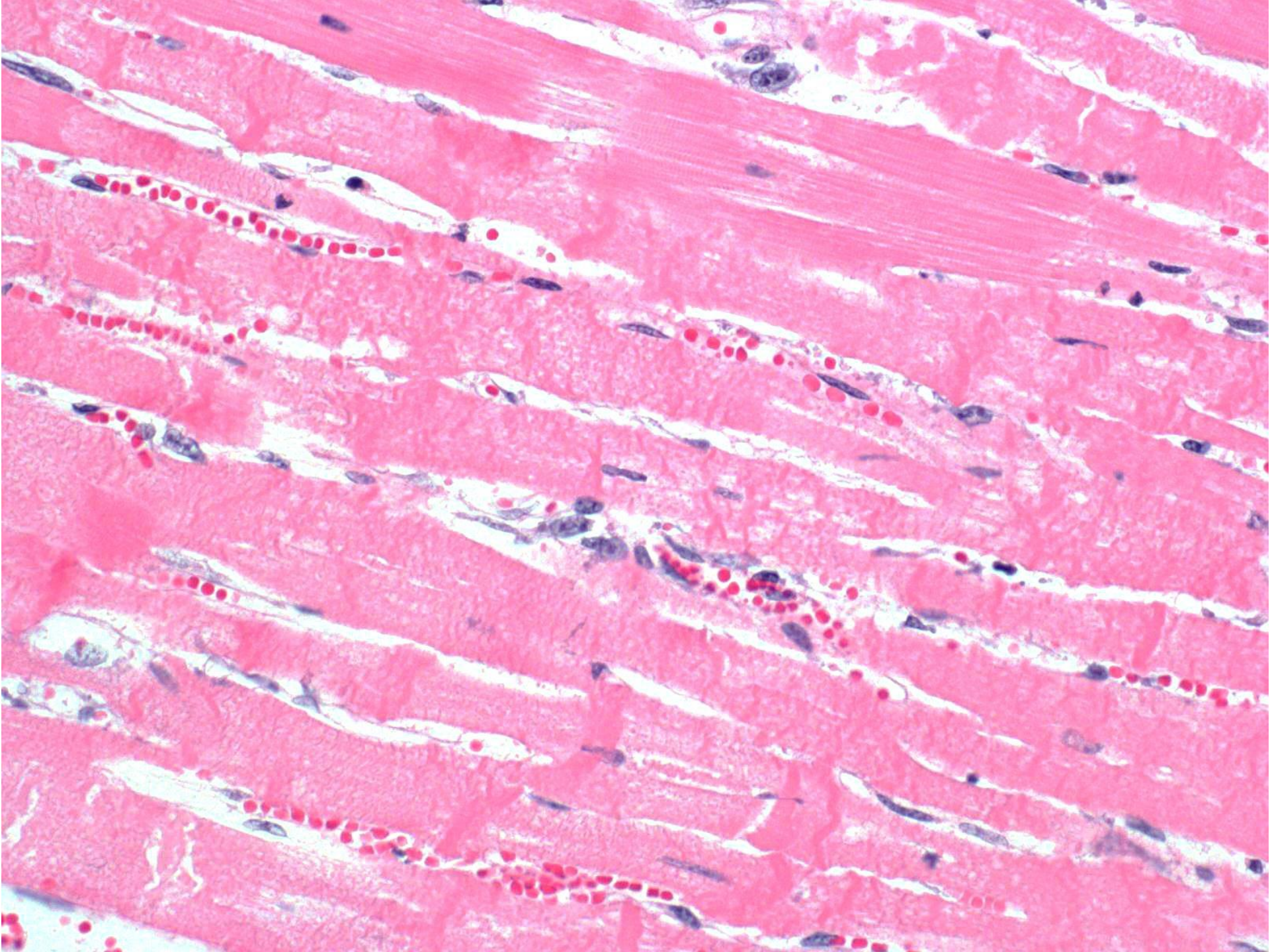

DIAGNOSIS

1-Detection of toxic substances in tissue/fluids

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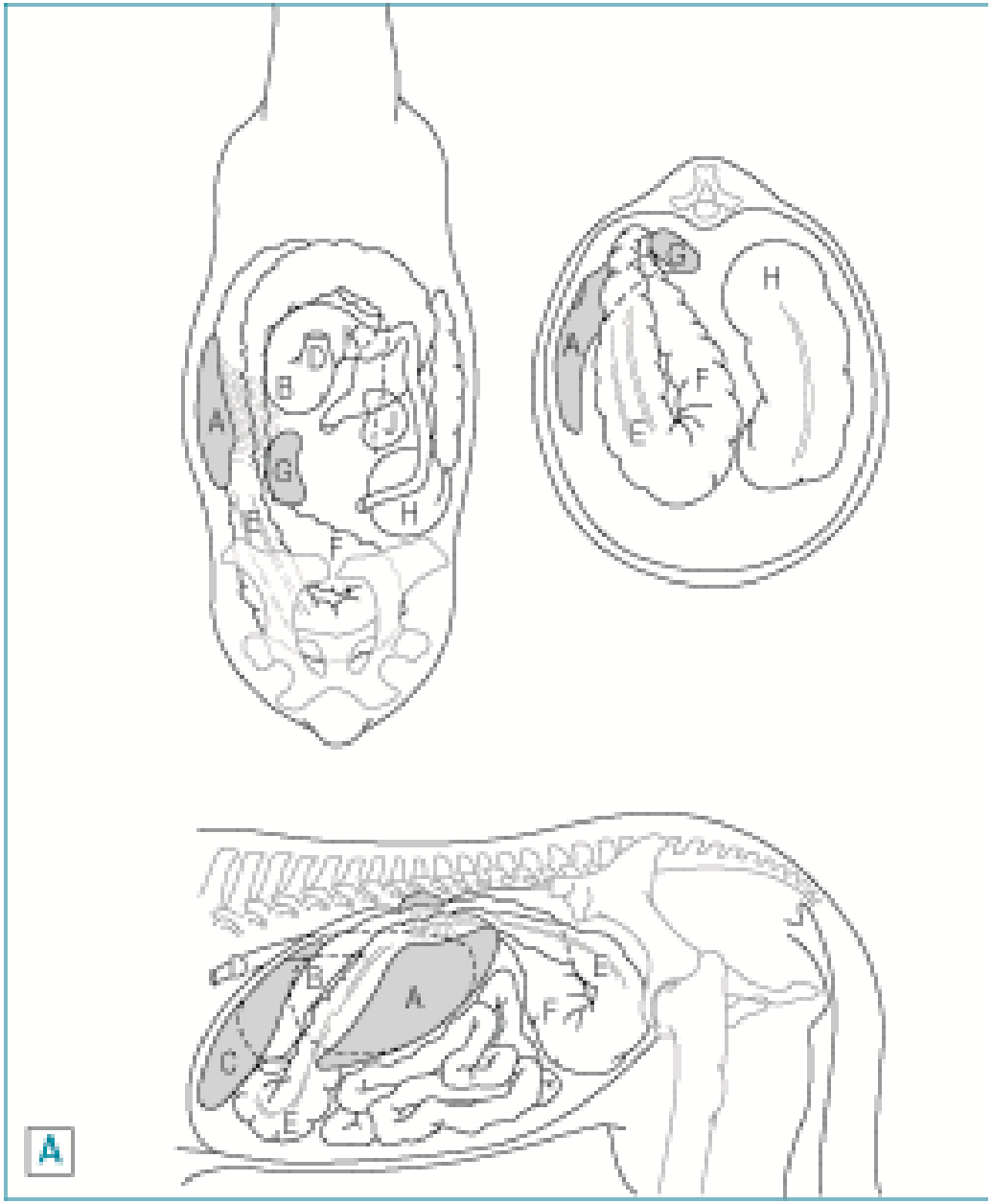

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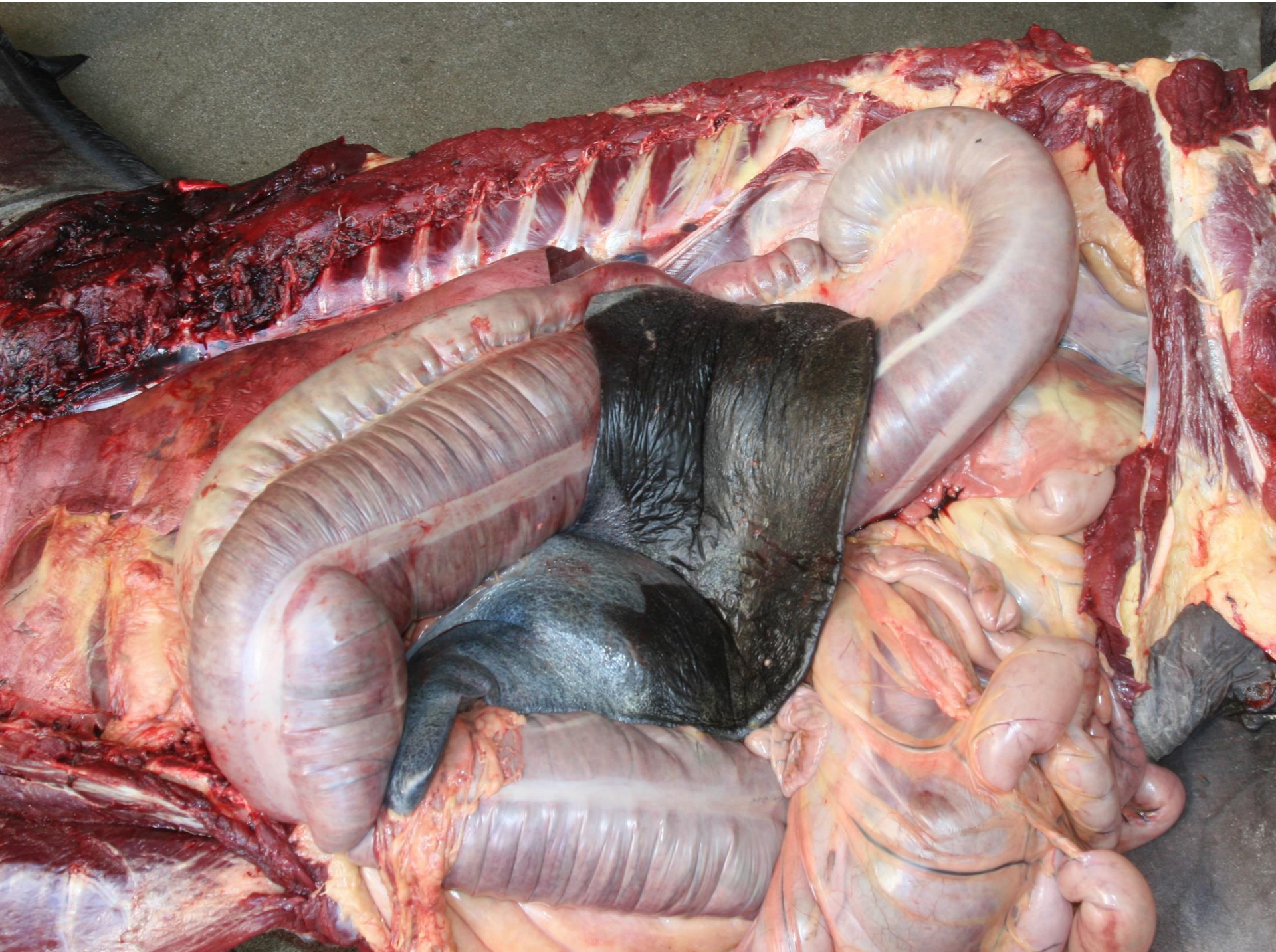

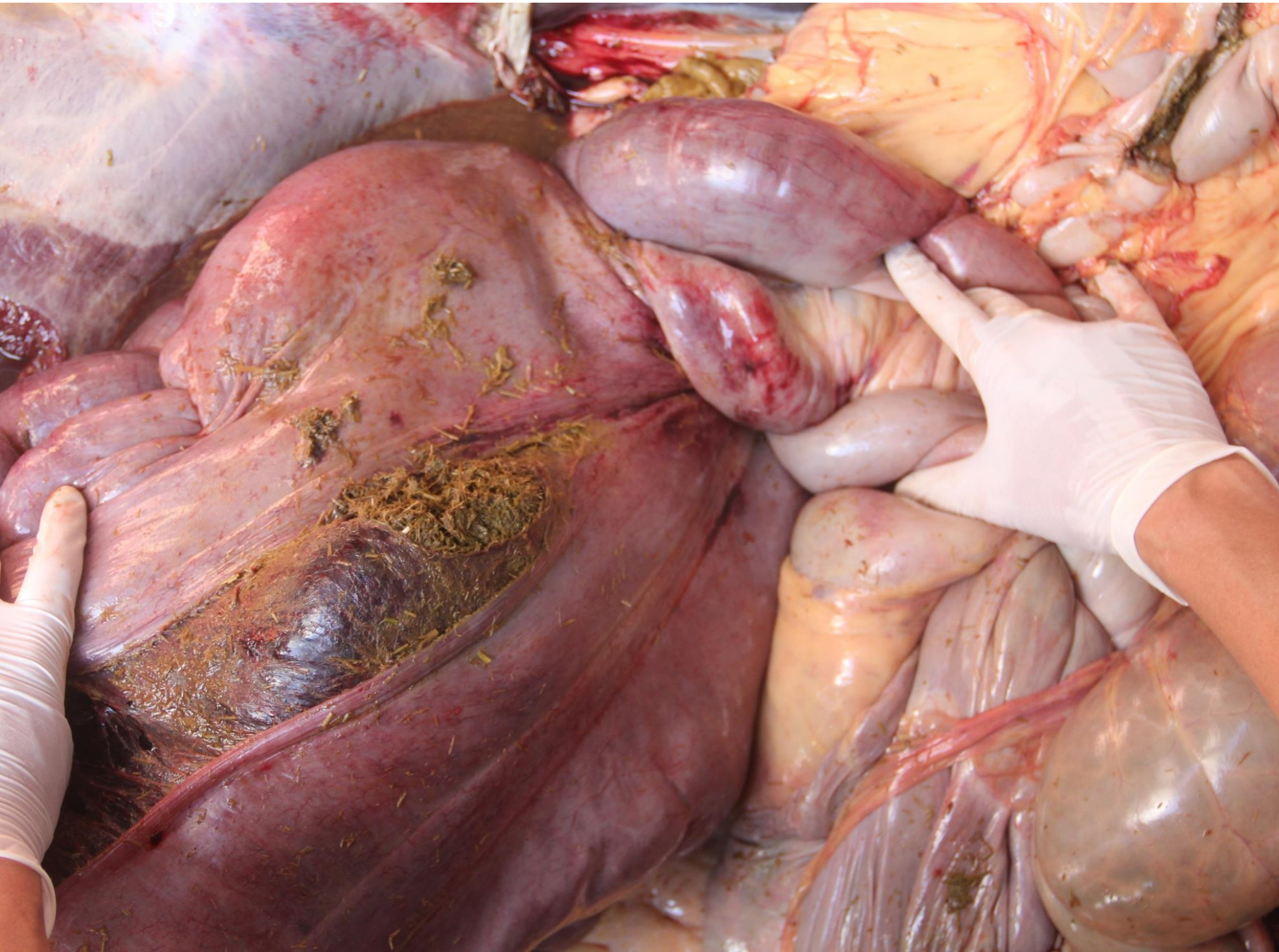

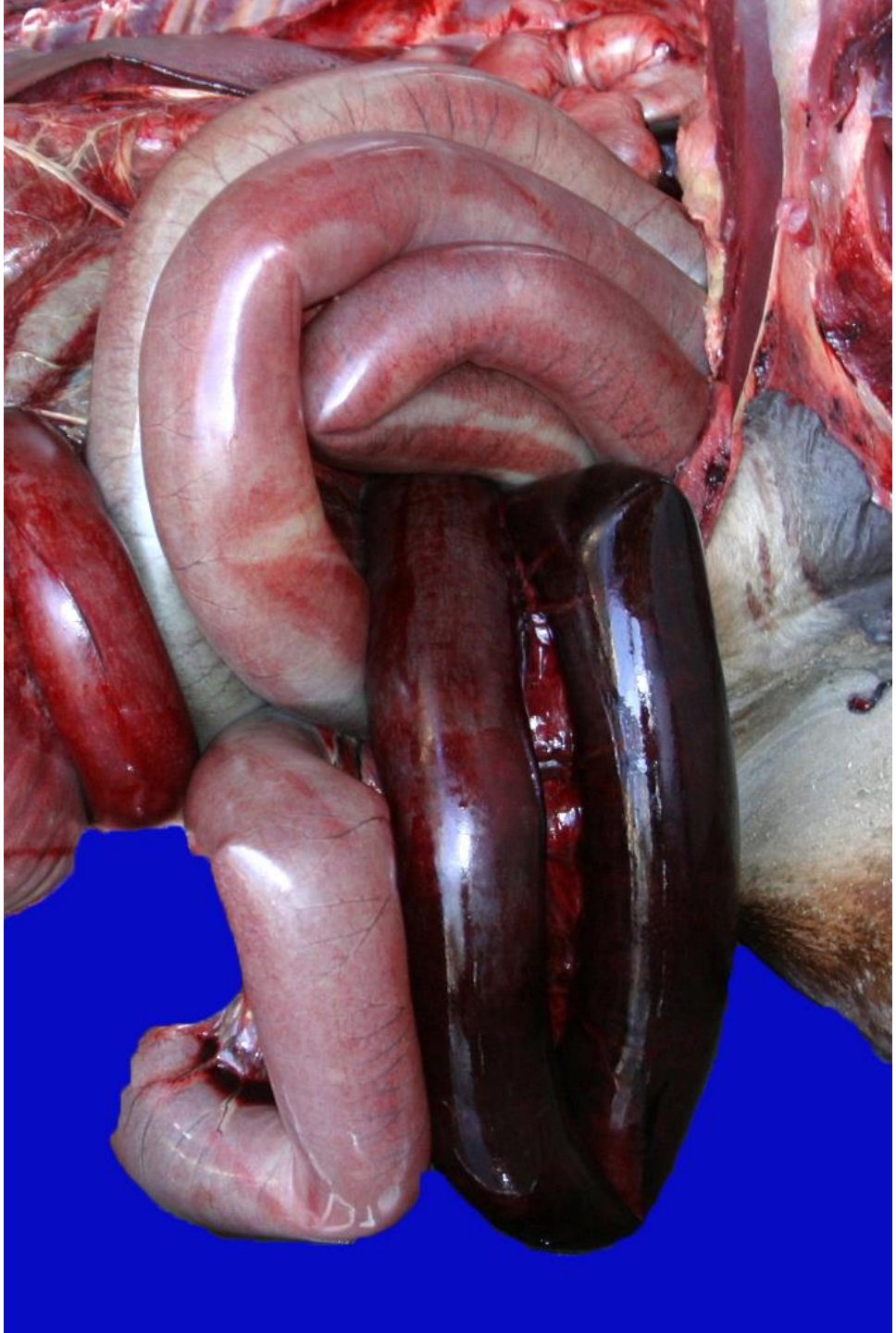

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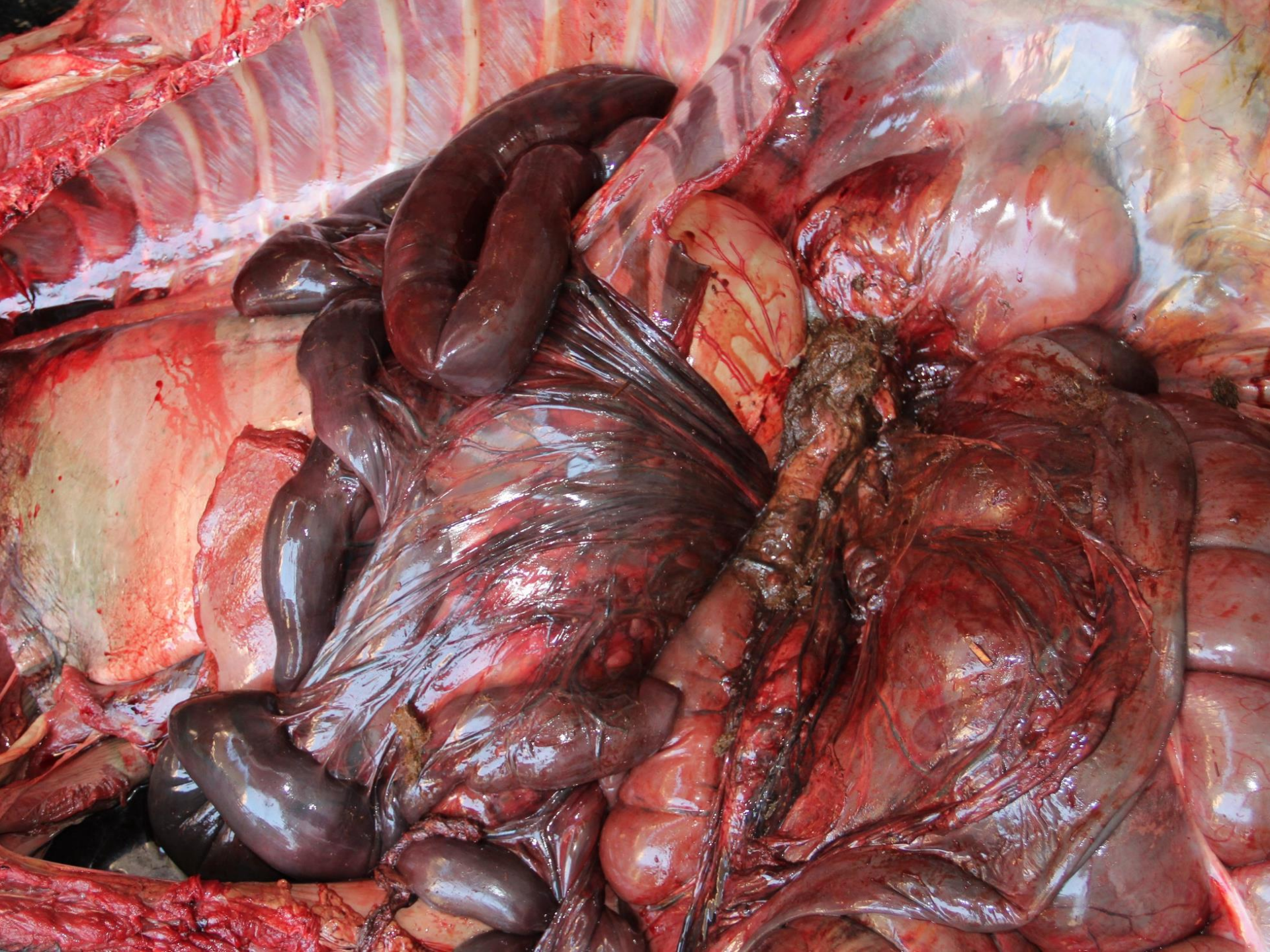

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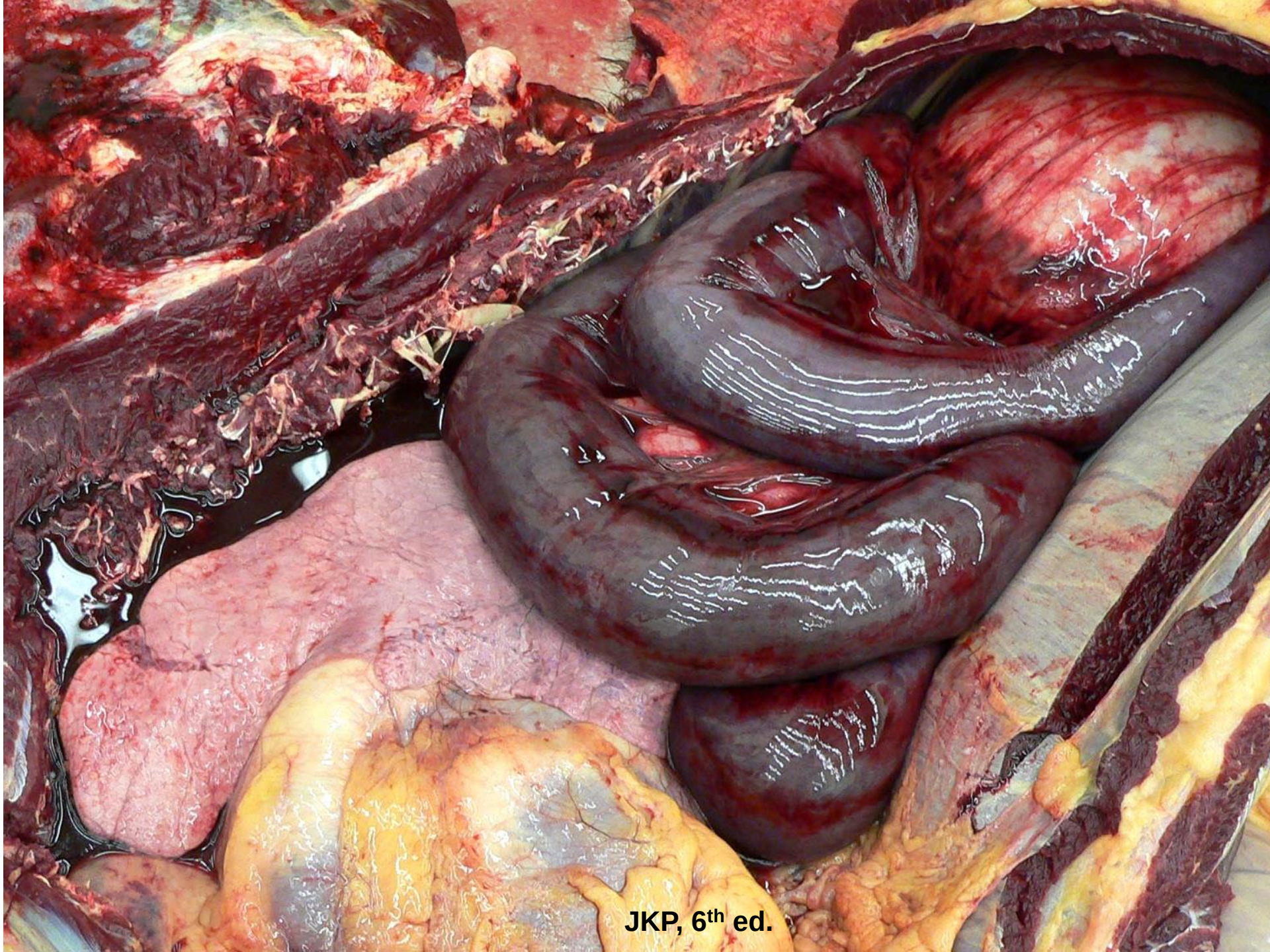
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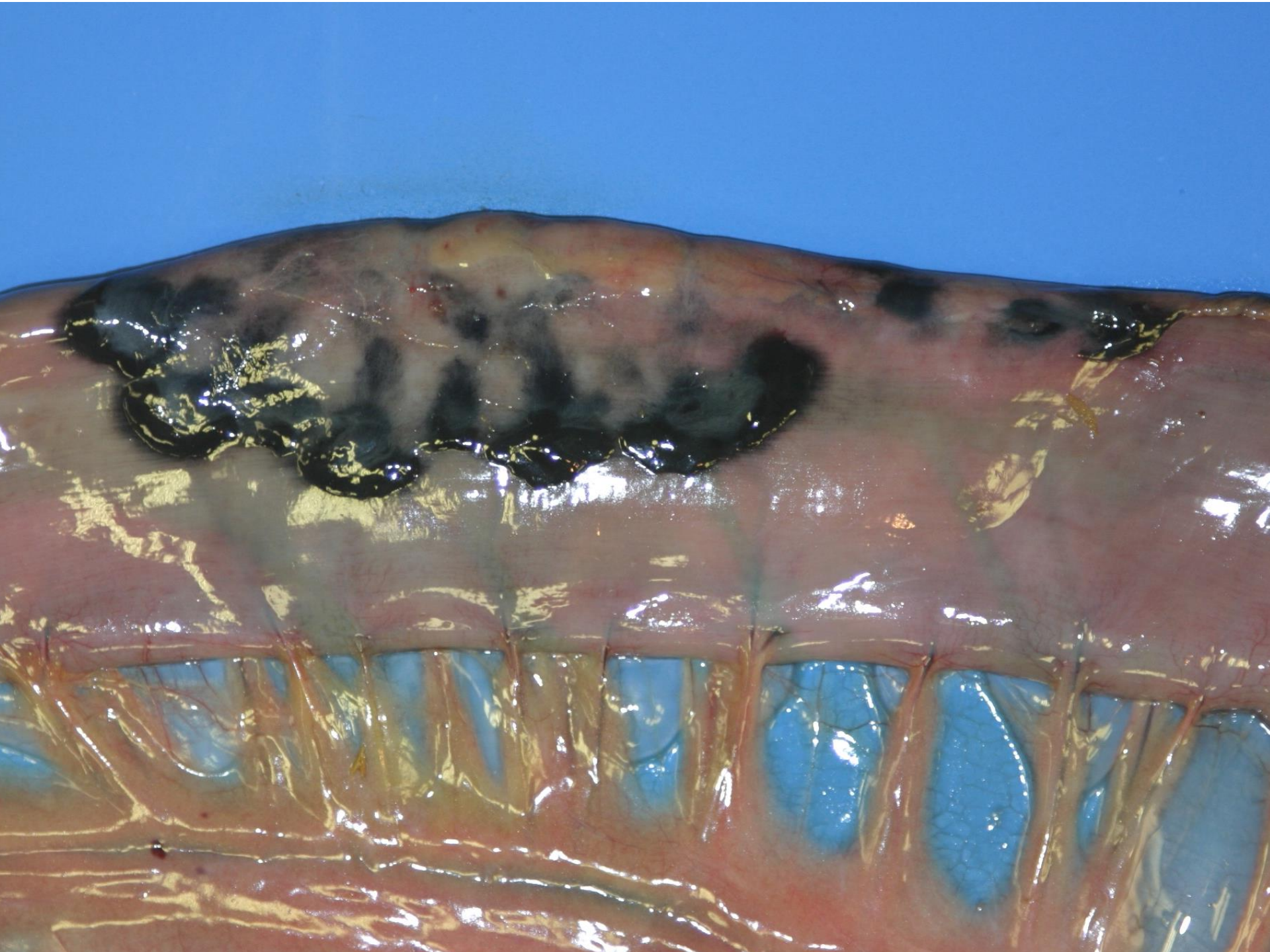
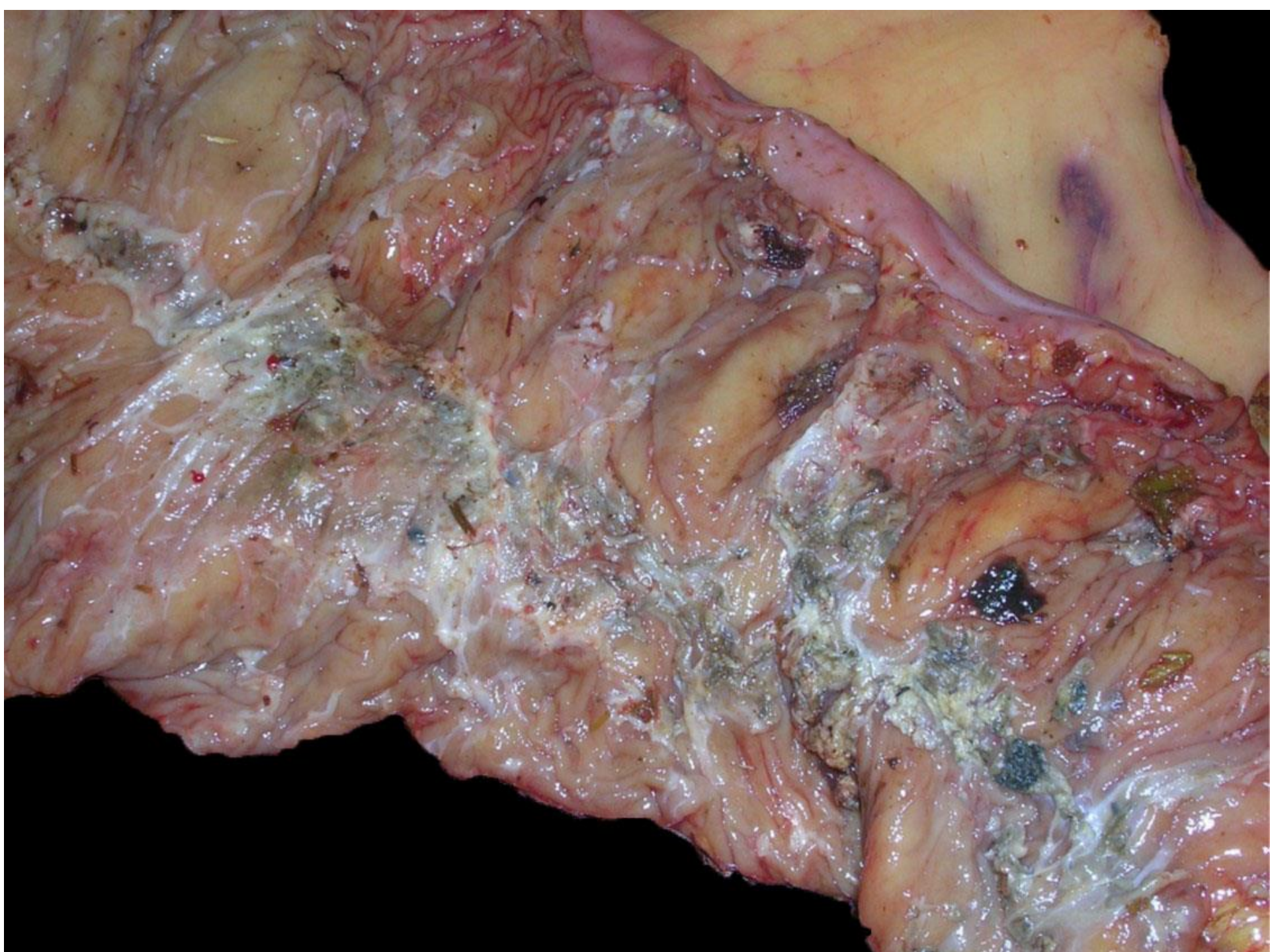
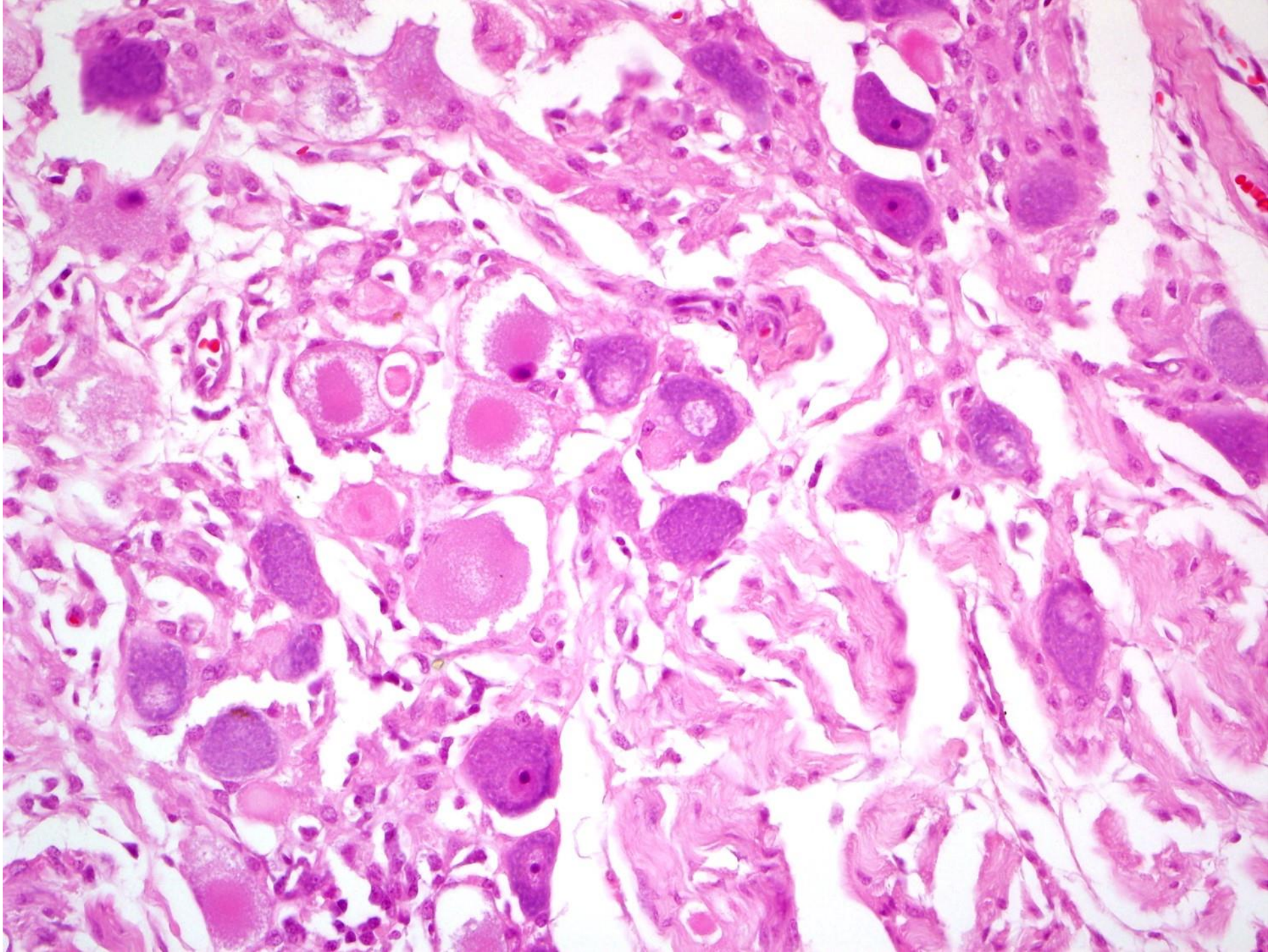
Location?







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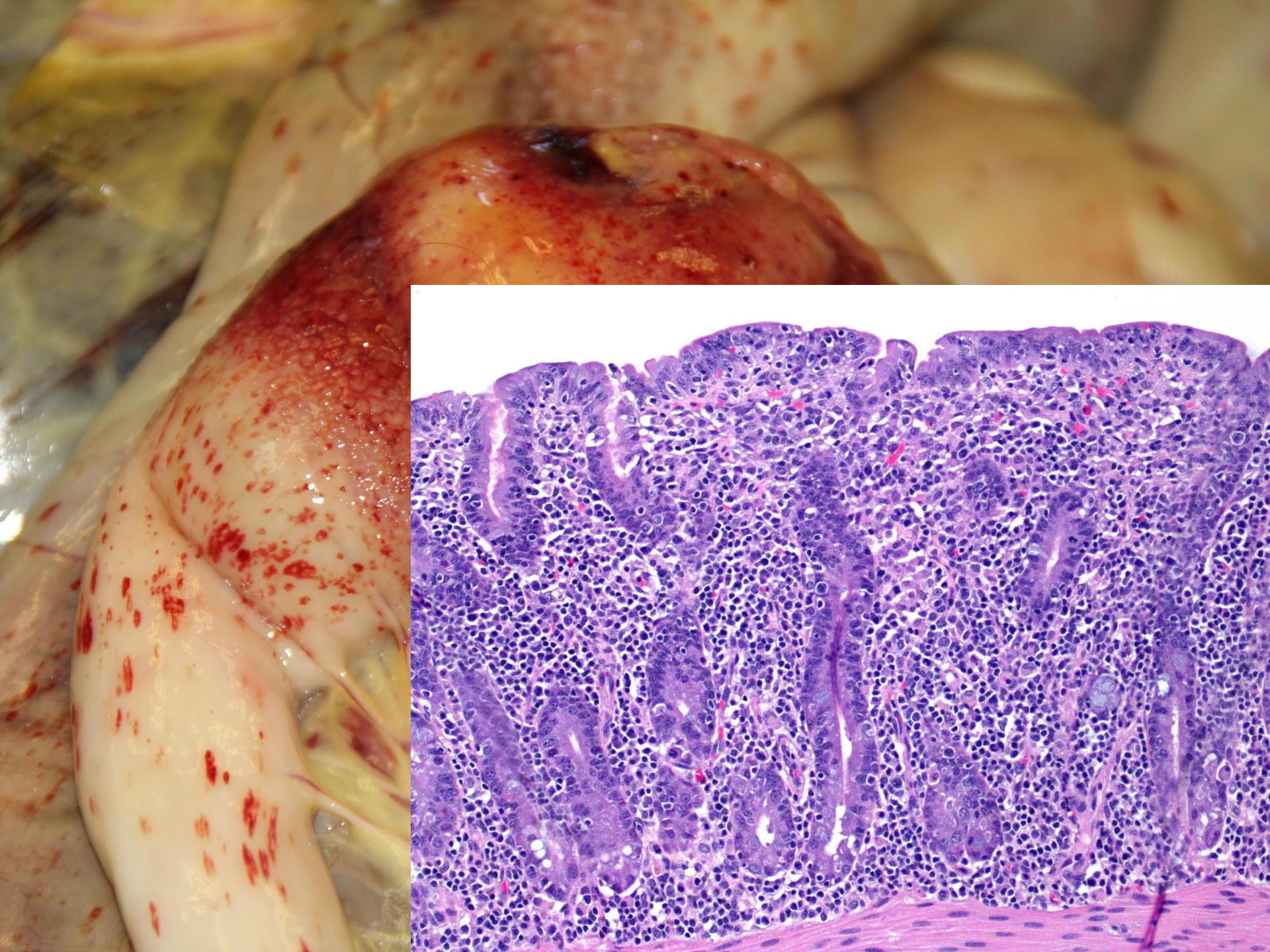

Thank you!!!