

Strictureplasty

- Intestinal strictures are the narrowing of the intestine which can lead to intestinal blockage
- Strictures are often caused by inflammation, often caused by IBD
- Strictureplasty is the surgical procedure used to correct strictures and increase the lumen size of the intestines

Strictureplasty	
Purpose	Used in the treatment of strictures caused by inflammation: <ul style="list-style-type: none"> - Inflammatory bowel disease - Ulcers - Infections - Past surgeries
Equipment and materials	<ul style="list-style-type: none"> - Haemostats - Needle holders - Non absorbable suture - Absorbable suture (2-0 catgut) - Scalpel and scalpel blade - Atraumatic forceps
Pre-operative procedures	<ul style="list-style-type: none"> - CT or MRI scan of the abdomen or - Colonoscopy to locate stricture location
Procedure	<ul style="list-style-type: none"> - Patient is placed under general anaesthesia - An incision in the abdominal wall is made to penetrate the various layer, until the site of the stricture is reached - Once at the site, an incision is made along the wall of the intestine at the site of the stricture (longitudinally) - This new opening in the intestinal wall, is folded and held together by a simple interrupted suture at both ends - Then a simple continuous pattern is used to close the opening - The incision in the abdomen is also sutured closed
Complications	<ul style="list-style-type: none"> - gastrointestinal bleeding - reappearance of the stricture - abscesses - fistulas - infections at the incision site - bowel obstruction - temporary changes in intestinal function
Points to note	Strictureplasty is more effective treating strictures of the lower digestive tract, than strictures of the upper digestive tract

Interesting points to note:

- not used in food animal practice -> not economical
- used more in horses and small animal practice
- in human medicine there are three different procedural approaches, and these would depend on the extent of the stricture

How does this procedure help increase the lumen size?

