Ileus decompression tube
by J. Ermisch
Tubes
NEW TYPE ILEUS DECOMPRESSION TUBE
by J. Ermisch

in two versions:

**Small intestine tube**
Consisting of a silicon tube with gelatine guide head.
The silicon tube is equipped with an x-ray contrast stripe. Its holes guarantee an optimum decompression of the small intestine because of their size and position.

Silicon tube dimensions: length: 3 m, outer diameter: 6 mm

**Colonic tube**
Consisting of a silicon tube with gelatine guide head.
Its holes guarantee an optimum decompression of the colon because of their size and position.

Silicon tube dimensions: length: 1.5 m, outer diameter: 9 mm

To support transoral respectively transanal intubation a glass fibre mandrin of 80 cm length is inserted into the silicon tube before starting the procedure.

**Small intestine tube**

**Five steps of the surgical treatment of the small intestine ileus:**

1. Optimum resection of the intestine distension
2. Complete elimination of toxic ileus secretion
3. Removal of the cause of ileus
4. Prevention of Kompartement syndrom
5. Avoiding of ileus relapses

Closed decompression is basically preferred for the removal of distension.

It is sufficiently known that manual decompression according to KORN is inefficient and usual ileus tubes are difficult to handle with progressing or complicated ileus pictures.

The development of a new ileus decompression tube substantially optimised the efficiency of closed decompression as well as the operativ-tactical procedure.
Advantages of the ileus decompression tube:
1. Secure and fast passing of the duodenum, quick atraumatic decompression and elimination of toxic ileus secretion
2. No risk of infection
3. Absorbable guide head
4. One channel system optimises sucking efficiency
5. Prevention of an abdominal compartment syndrome in the postoperative course by intraluminary drainage of the ileus
6. Prevention of early ileus recidivs
7. Special material of high biological acceptance

In the process of surgical interventions the following ileus types indicate tube application:
- postoperative early ileus resp. early ileus recidiv
- progressive mechanic primary ileus
- mixed ileus forms including peritonitis
- paralytic ileus found during operation

Intubation technique of the small intestine tube by using a laryngoscope

References
In Germany 40 hospitals including four university hospitals (Charité Berlin, Magdeburg, Mannheim and Jena) work with the new tube system. We could convince in particular those surgeons of the advantages of the ileus decompression tube who in the past used the intestine stabilisation with the Miller-Abott tube or Dennis tube.

Colonic tube
The colonic decompression tube was developed in analogy to the intestine tube with adopted silicon tube size and hole geometry. The absorbable gelatine guide head is the same as with the small intestine tube.

Indications for tube application:
- characteristic colonic distension found in the process of operation
- pseudo obstruction in the process of operation (Ogilvie-syndrom)
- sigma volvulus
- colon splinting resp. colon drainage

Colonic tube with inserted mandrin
tube length 1.5 m, outer diameter 9 mm