Complications of Biliopancreatic Diversion with Duodenal Switch

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**BPD/DS**

- BPD/DS is a modification of the Scopinaro BPD first described in 1979
- First BPD/DS performed in 1988 by Hess
- First published by Marceau in 1993
Role of Pylorus Preservation

- Reduced marginal ulceration
- Increased sense of satiety
- Reduced dumping symptoms
Laparoscopic BPD/DS Operation

- Ren described first laparoscopic series of BPD/DS in 2000
- Sudan performed first robotic BPD/DS in 2000
Complications

- Surgical
  - Mortality
  - Leaks
  - Bleeds
  - PE
  - Pressure problems
  - Ileus
- Obstruction
  - Anastomotic
  - Transmesocolic
  - Related to sleeve (strictures)
Postoperative

- Nausea, vomiting
- Diarrhea
- Delayed obstruction
- De Novo Reflux
- Nutritional deficiencies
  - Fat soluble
  - Minerals
  - Protein
Nausea and vomiting

- Antiemetics
- NJ feeding tube
- TPN
- Surgical feeding tube in Biliary limb
- Management of Obstruction (surgical)
Malnutrition

- Protein
- Minerals
  - Fe
  - Ca
  - Trace metals
- Fat Soluble vitamins
  - A
  - D
  - E
  - K
- Surgical management
Conclusions

- Higher risk
- Higher reward
- Management of operation is more complex
- Postoperative care also requires special expertise
Thank You

- Questions?