The high output stoma and intestinal failure

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Colorectal Surgeon

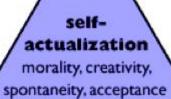
Auckland City Hospital

"DON'T ANTICIPATE DISASTER"



Actually it is a disaster

What's really important?



self-esteem

confidence, achievement, respect of others

love and belonging

friendship, family, intimacy, sense of connection

safety and security

health, employment, property, family and social stability

physiological needs

breathing, food, water, shelter, clothing, sleep

Fluid and electrolyte balance

If you dehydrate, you die

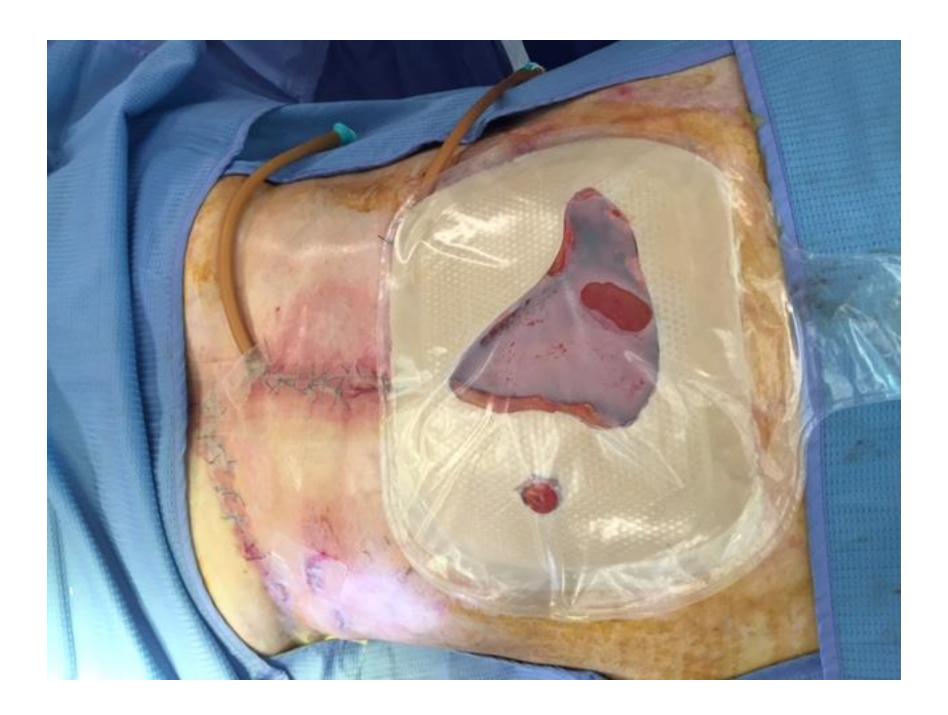
Protein/calorie Nutrition

if you don't absorb enough food, you will get sick and eventually die

What about quality of life?

SKIN PROTECTION

Where does intestinal failure fit in?





What is IF?

•Intestinal failure (IF) is "the reduction of gut function below the minimum necessary for the absorption of macronutrients and/or water and electrolytes, such that intravenous supplementation (IVS) is required to maintain health and/or growth" (ESPEN 2016).







Pathophysiology of IF

- Short bowel
- Intestinal fistula
- Intestinal dysmotility
- Mechanical obstruction
- Extensive small bowel mucosal disease





What can we do about it?

- Don't drink too much water
- Eat lots of carbs
- Take your medicines
 (dissolve loperamide)
- Replace losses IV
- If possible rejoin the gut (intestinal continuity)

Loperamide

- Specific to gut mu opioid receptors
- Slows gut transit/increases fluid & salt absorption
- Titrate max dose up to around 40-50mg/day
- 2mg capsules (break open) or tabs (dissolve)

Other medicines

- Codeine- dependence/ other issues
- Fibre supplements
- Bile salt/pancreatic enzyme replacements
- Vitamins/micronutrients

Re-establish intestinal continuity

(doesn't mean you won't have a stoma)

What kind of patients

- All ages; 19-70+ years
- Males>>females 8:1
- Trauma/iatrogenic injury predominates
- Psychological/dependence issues
- Underlying comorbidity is often subsequent cause of death

What is involved?

- 9 patients, > 16 operations over 7 years
- Usually 5-12 months in hospital each op
- Huge use of multidisciplinary resources
- High complication/ mortality rate

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It takes a team

- Dietitian
- TPN CNS
- Pharmacist
- Stoma nurse specialists
- Ward nurses
- Psychologist
- Doctors (Gastro/Surgeon/Psych)

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