

Anoplasty for Anal Stenosis How to Choose the Best Procedure for Your Patient

Essam Fakhery Ebied

Assistant professure

Ain shams uni.

- An Uncommon problem
- Causes

Post surgical

Inflammatory

Venereal Disease

**90% Secondary to
Haemorrhoidectomy**

- Excessive Removal of Ano-Derm
- Failure to preserve adequate Muco-cut. Bridges
- Excessive Removal of Mucosa

Anal Canal Configuration

- Normal : upside down funnel
- Acute stenosis: cylindrical
- Chronic : funnel shaped

Diagnosis

- Clinical diagnosis
- No single test can diagnose
- Anorectal manometry didn't add much information
- EUA can help

Classification

- Severity
- Structure
- Level of involvement

Severity

Mild : well lubricated index finger could be introduced

Moderate : well lubricated index need some force

Sever: little finger not admitted

Structure

- Diphragmatic : post inflammatory
- Annular : less than 2 cm
- Tubular more than 2 cm involved

Level

- Low : at least 0.5 cm below dentate line
- Middle : 0.5 cm proximal to 0.5 cm distal to dentate line
- High: proximal to 0.5 cm above dentate line
- Diffuse: all anal canal

Treatment

- **Prevention**
- Surgical Dilatation of the stenosis??
- Non operative management : mild and early moderate

Operative management ; sever cases and failed non operative

- Lateral sphinctrotomy
- Sever low: Y-V , V-Y Flaps
- From dentate line distally : house , diamond flaps
- All around and diffuse : rotational flaps

**The choice mainly depends on
what you are comfortable to
do**

- No prospective trials
- No randomized clinical trials
- No enough data
- Small sample size
- Variety of procedeurs

- OH et. Studied the C plasty in 12 patients with a healing rate of 91 %
- Khubchandani et al. 53 patients advancement flaps , 93 % satisfactory results
- Aitole et al. 10 patients , 6 had good results
- Rakhmani 95 patients , 35 only post surgical??

- Non operative management is superior
- No consensus on which procedure of choice
- Healing rates and failure rates are difficult to predict
- Do whatever you are comfortable to do

Thanks