

Rectal Prolapse (Procidentia)

BH PIENAAR

DEPARTMENT OF SURGERY



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RECTAL PROLAPSE

- Known since Hippocrates
 - 1500 BC
- What is it actually
 - Full thickness
 - Mucosal
 - Internal intussusception
- Diagnosis



What is it actually?

- Moschowitz 1912
 - Sliding herniation pouch Douglas
 - Anterior part rectum
- Broden/Snellman 1968
 - Intussusception
 - ± 8 cm above dentate line
- Concept:
 - Obstructive defaecation
 - Tissue laxity
 - Pudendal nerve damage



Common features

- Pelvic floor weakness
- Herniation
- Sphincter complex
 - Internal
 - External
- Redundancy



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Patient population

- Females
 - 50+
 - Peak 70
 - Not necessarily multiparous
- Males
 - < 40
 - Psychiatric disorders



Anatomical features

- Pouch of Douglas
- Anal sphincter tone
- Levator ani diastasis
- Rectal sacral attachment



Chicken & Egg



PT PPT SYNDROME

- POOR
- TISSUE
- POORLY
- PUT
- TOGETHER

Predisposing conditions

- Defaecatory difficulty
- Neurologic disorders
- Nulliparity (younger age)
- Common denominator weak pelvic floor
 - Anterior
 - Middle COMPARTMENTS
 - Posterior



Internal vs External

- Oxford grading system I-V
- Progression ?
- 50% volunteers IRP
- No symptoms
- Follow up?



Natural History

- Wijfels 2010
- Gradual process
- Identifiable stages
- Rate
 - Anatomical
 - Physiological
- Age/prolapse grade
- ERP end result



Symptoms

- Incontinence
 - Sphincter
 - Extruded mucosa
- Straining at stool
- Incomplete evacuation
- Digital assistance
- Frequent visits



Full thickness/Mucosal

- Radial folds
- Concentric
- Solitary rectal ulcer
- Anal sphincter tone



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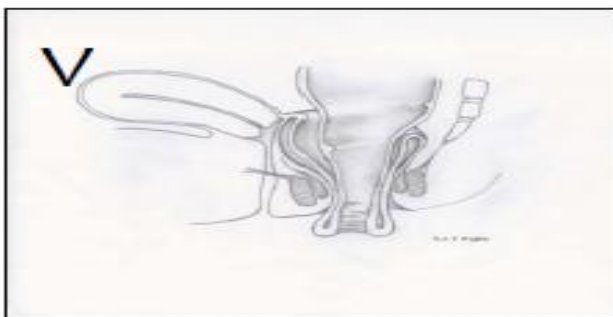
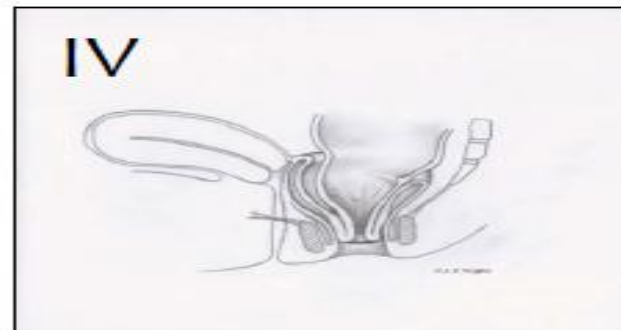
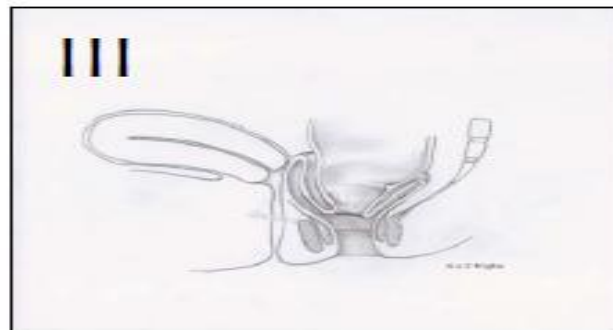
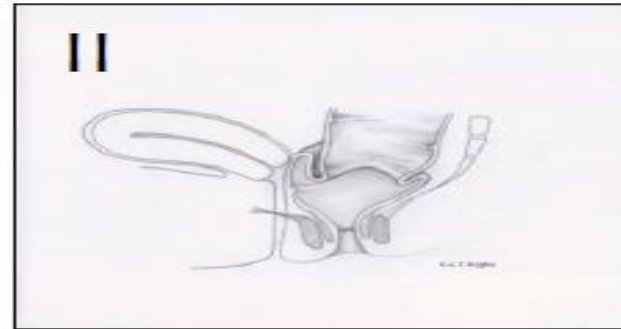
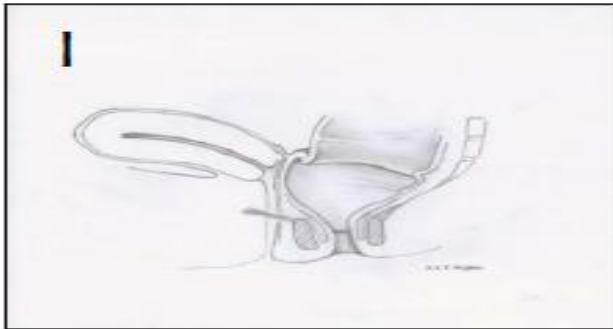
Investigation?

- Colonoscopy
- Barium enema
- Transit studies
- Defaecography
- Sphincter complex
- Ulcer biopsy



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Oxford Grading



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ERP



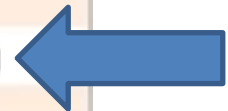
Management

- Acute
 - Manual reduction
 - Investigate
- Chronic
 - Stage
 - Patient
 - Method



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	Author (year)	Procedure
Transabdominal		
Pelvic floor reconstruction	Moschcowitz (1212)	Douglas closure
	Graham (1942)	Anterior levatoropexy
	Goligher (1970)	Anterior & posterior levatoropexy
	Sullivan (1990)	Total pelvic mesh repair
Anterior fixation	Pemberton (1937)	Sigmoidopexy
	Ripstein (1952)	Anterior Teflon sling
	Nigro (1958)	Ventral Teflon sling
Posterior fixation	Wells (1959)	Ivalon sling
	Sudeck (1923)	Suture rectopexy
Resection	Muir (1962)	Anterior resection
	Frykman (1969)	Sigmoid resection & rectopexy
Perineal	Parks (1975)	Posterior anal repair
	Thiersch (1981)	Perineal sling
	Delorme (1964)	Transanal repair
	Altemeier (1971)	Rectosigmoidectomy
	Thomas (1975)	Suture rectopexy



LOOKING FOR THE SOLUTION
Is it down there?



LOOKING FOR THE SOLUTION
Is it up there?



Solution

- Perineal ?
 - Perineal
 - Altemeier
 - Delorme
 - STARR
- Abdominal?
 - Open
 - Laparoscopic
- Resection?
- LEVATORPLASTY?



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Hammer & Nail



What should we aim for?

- Oblivious/unaware/unconcerned
- Passage of stool
- Continent
- Satisfied

Straining at stool













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