



			Kantonsspital Aarau					
open versus closed?								
prospective, randomized trial: n = 200, day surgery, (6 pat in hosp.)								
intervention in locoal anaesth			• • •					
Linear analog scale 1-10	MilligMorg.	Ferguso	on					
Duration of intervention	24 min.	30 mir	n.					
1st - 2nd postop day VAS	6,5	5,5						
1 st – 2 nd postop day VAS 500 3 rd – 7 th postop day VAS 500	6,5 4,5	5,5 4						
			p<0,05					
3 rd – 7 th postop day VAS	4,5	4	p<0,05					
3 rd – 7 th postop day VAS Line at evacuation VAS Line	4,5 8,5	4 5	p<0,05					
3 rd – 7 th postop day VAS ^{1+th} at evacuation VAS ^{1+th} at one months VAS ^{1+th}	4,5 8,5	4 5 <20% 45%	p<0,05					
3 rd – 7 th postop day VAS at evacuation VAS at one months VAS wound deshiszence at 1 week	4,5 8,5 <20%	4 5 <20% 45%						
3rd – 7 th postop day VAS :== at evacuation VAS :== at one months VAS := wound deshiszence at 1 week compl. wond healing at 1 mts	4,5 8,5 <20% 40%	4 5 <20% 45% 90%						
3 rd – 7 th postop day VAS i at evacuation VAS at one months VAS wound deshiszence at 1 week compl. wond healing at 1 mts temp. incontinence for gas	4,5 8,5 <20% 40% 2%	4 5 <20% 45% 90%						
3 rd – 7 th postop day VAS :== at evacuation VAS :== at one months VAS :== wound deshiszence at 1 week compl. wond healing at 1 mts	4,5 8,5 <20% 40% 2% dency to	4 5 <20% 45% 90% 2%						













			ontrolled trials onth follow-up (6	-56 mts; Δ 12	2,3 mts)
	outco	me: no hem	orrhoidal sympto	oms 1-2y fol	ow-up
Study or subgroup	Treatment n/N	Control n/N	Odds Ratio M-HLF.xed,95% CI	Weight	Odds Ratio M-H/Fixed 95% CI
lotal (95% CI)	283	270	-	100.0 %	0.81 [0.51, 1.28]
			0.1 0.2 0.5 1 2 5 10 Favours treatment Favours control		
		stap	ler versus con	ventional	







Kantonsepital Aurau Conventional versus stapled versus HAL							
		•					
One single 1	andomized tri	al compar	ing thre	e groups!			
o n = 45	patients						
o short t	erm results only	(12 week p	ostop.):				
pain, s	ymptom contro	l and mano	metric al	terations			
1	pain VAS	Bleeding	Prolans	Continence			
	1st motion	% (impr	•	Contantonico	* p<0.05		
	7* (5-10)	73%	100%*	100%	-		
Conventional							
Conventional Stapler	1.2 (1-8)	60%	67%	100%			
	1.2 (1-8) 2.1 (2-6)	60% 53%	67% 60%	100% 100%			
Stapler	. ,			100% K	hafagy W. et al. Egyp astroenterology 200		









conclusions

Conventional haemorrhoidectomy should still be the gold standard

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- easy to lern safe intervention
- equipment in every operation room
- intervention material at low cost
- done in any type of anaesthesia can be done in outpatient setting
- with some extra care: lactulose,
- metronidaloze, nitroglyzerin ointment at reasonable postoperative pain

conclusions

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- Stapler hemorrhoidopexy needs further investigation:
- less pain, hospital stay & time off work

but currant data point out that there is a

- elevated risk for:
- recurrence - symptoms of prolapse
- additional surgery

CONClusions_ Doppler guided hemorrhoidal artery ligation: • relatively painless, safe procedure • seems to be effective for low-grade hemorrhoids (in concurrence to rubber banding?) but

....

• higher risk for recurrence

- higher risk for symptoms of prolapse
- higher risk for additional surgery