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open versus closed?									
prospective, randomized trial; intervention in locoal anaesth	; n = 200, day su esia & sedation t	rgery, (6 follow-up	pat in hosp.) o 12 mts						
Linear analog scale 1-10	MilligMorg.	Ferguso	on						
Duration of intervention	24 min.	30 mir	n.						
1 st – 2 nd postop day VAS IN	6,5	5,5							
3 rd – 7 th postop day VAS	4,5	4							
at evacuation VAS Data	8,5	5	p<0,05						
at one months VAS to	<20%	<20%							
wound deshiszence at 1 week		45%							
compl. wond healing at 1 mts	40%	90%	p<0,05						
temp. incontinence for gas	2%	2%							
 equivalent with ten 	dency to								
less pain and earlier	less pain and earlier wound healing								
			Int J Colorectal Dis 2004						













	• 22 rai	um of 6 m	ontrolled trials onth follow-up (6	-56 mts; Δ 12	2,3 mts)
	outcoi	me: no hem	orrhoidal sympto	oms 1-2y fol	ow-up
Study or subgroup	Treatment n/N	Control n/N	Odds Ratio M-H/Fixed,95% CI	Weight	Odds Ratio M-H.Fixed,95% CI
Total (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	







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Conventional versus stapled versus HAL									
One single randomized trial comparing three groups! • n = 45 patients • short term results only (12 week postop.): pain, symptom control and manometric alterations									
	pain VAS 1st motion	Bleeding % (impr	Prolaps oved)	Continence	* p<0.05				
Conventional Stapler Hem art. Lig.	7* (5-10) 1.2 (1-8) 2.1 (2-6)	73% 60% 53%	100%* 67% 60%	100% 100% 100%	-				
				K Hepato-G	hafagy W. et al. Egypt iastroenterology 2009				









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