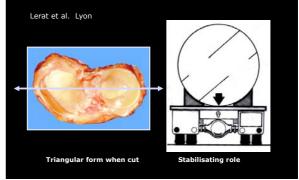
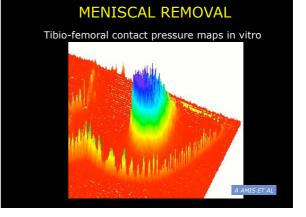


Stabilizing role of the meniscus

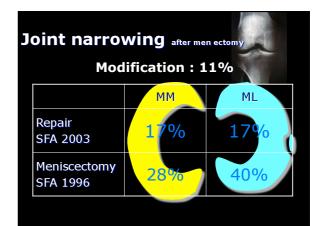


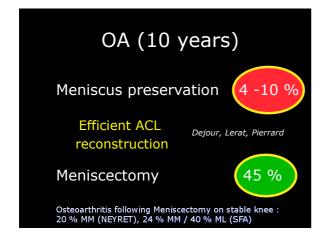


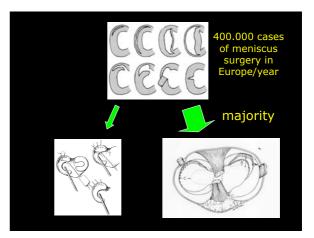


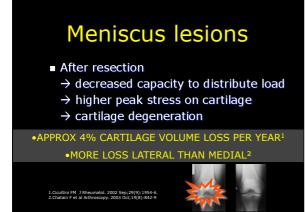
PAIN AFTER M ECTOMY

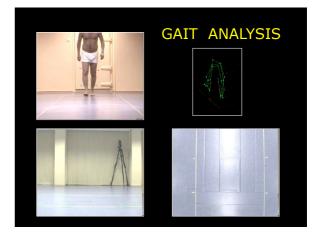
	ММ	ML
REPAIR SFA 2003	22%	14%
Meniscectomy SFA 1996	40%	52%

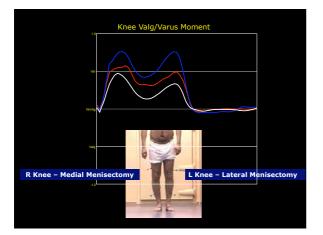
















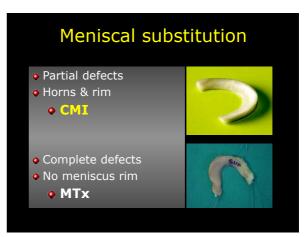
TREATMENT POSSIBILITIES AFTER IRREPARABLE MENISCAL INJURIES Meniscal IMPLANT MENISCAL IMPLANT

Indication

- Younger patient
- Previous partial meniscectomy
- Moderate to severe postmeniscectomy pain
- Cartilage status ideally limited degeneration
- Not old enough to be considered for TKA
- Good alignment corrective osteotomy
- Stable joint
- ligament repair







European Multicentric Trial 1997 Purpose

• To demonstrate safety and efficacy of the CMI in a wide range of population



Methods Patients demographics

- September 97 to October 2000
- 25 patients
- ranging from 18 to 48 years of age
- met inclusion criteria
 - medial meniscectomy (acute or chronic)
 - partial defect (horns and rim intact)
 - ACL stable (or stabilized)
 - well aligned knee



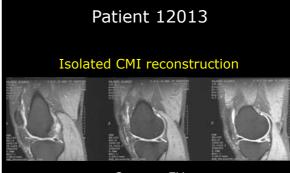
Pain VAS (10 point scale)

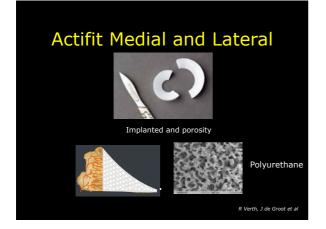
	<u>Mean</u> ± <u>SD</u>	<u>Range</u>	
• Preop.	7.0 ± 1.8	1 - 9	
• 3 Months	2.9 ± 1.8	1 - 8	
• 6 Months	2.2 ± 1.3	1 - 5	0 Prop. 28 58 17 27 4 56
• 12 Months	2.0 ± 1.4	1 - 7	
• 24 Months	2.0 ± 1.6	1 - 6	
	Significa	nt improvement	(p < 0.002)

Lysholm (100 point scale) Mean ± SD Range Ω P Ï 30-90 83.5 ± 11.5 • 3 Months 60-98 85.1 ± 7.8 • 6 Months 74-100 • 12 Months

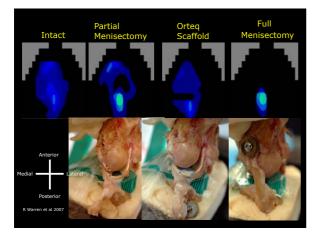
- 24 Months
- 87.2 ± 12.3 52-100 89.6 ± 6.3 78-100

Significant improvement (p < 0.001)







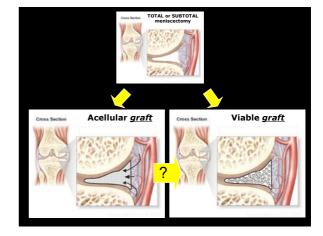




Indication

- Younger patient
- Previous total meniscectomy
- Moderate to severe postmeniscectomy pain
- Cartilage status ideally limited degeneration
- Not old enough to be considered for TKA
- Good alignment corrective osteotomy

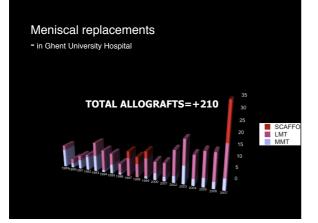
- Stable joint
- ligament repair



Preservation techniques for meniscal allografts

	Cells	Mechanics	Logistics
✓ Lyephilisation		_	OK!
✓ Deep-freezing	ACELLULAR	OK!	OK!
 Cryopreservation 	n 10-40%	OK!	PRICE
✓ cultured 'VIABL	E' OK!	OK!	2W to TX

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Surgical technique

- Open surgery
- MCL or LCL+Pop release by osteotomy of femoral side
- ✓ All inside sutures
- Fixation to meniscal rim and horns
- Additional tag for anterior horn



