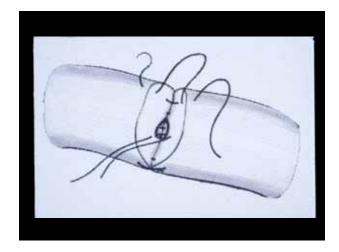
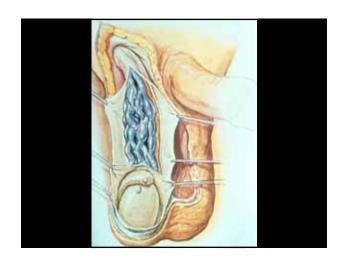


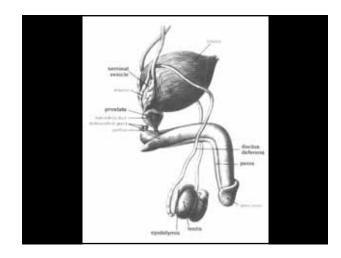


INDICATIONS	
vaso-vasostomy	
vaso-epididymostomy	
Microsurgical varicocelectomy	
	Erasmus MC Eafing

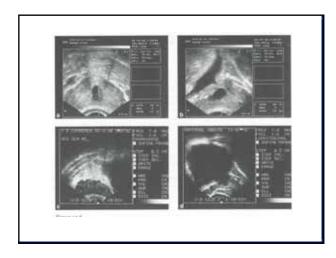


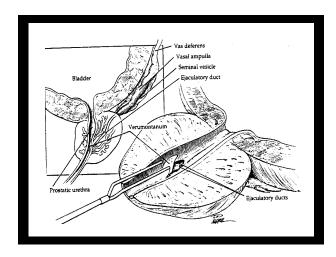


CAUSES OF OBSTRUCTIVE AZOOSPERMIA
CONGENITAL FORMS
<ul> <li>CONGENITAL BILATERAL ABSENCE OF THE VAS DEFERENS</li> </ul>
<ul> <li>EPIDIDYMAL BLOCKAGE/YOUNG`S SYNDROME</li> </ul>
<ul> <li>EJACULATORY DUCT OBSTRUCTION/MULLERIAN CYSTS</li> </ul>
AQUIRED FORMS
■ POST-VASECTOMY
■ POST-INFECTIVE
■ POST-SURGERY (HYDROCELE, HERNIA REPAIR)





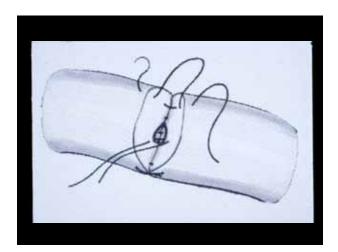


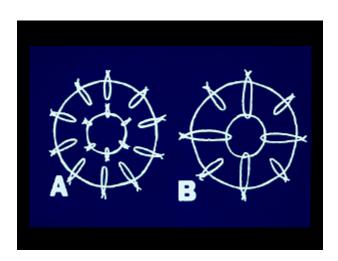


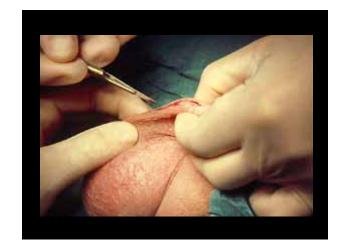




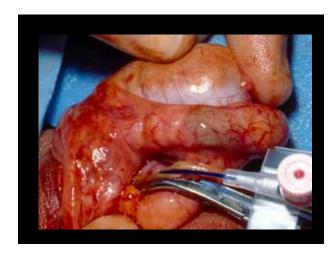
# VASO-VASOSTOMY IN WESTERN-EUROPE 15% OF THE MALE POPULATION WILL HAVE A VASECTOMY FOR DEFINITIVE BIRTH CONTROL ABOUT 10% WILL REGRET THIS PROCEDURE AFTERWARDS IN 2-6% A VASECTOMY REVERSAL IS PERFORMED MAIN REASONS: NEW RELATIONSHIP (96%) MORE CHILDREN DESIRED IN THE SAME RELATIONSHIP PAIN/PSYCHOGENIC PROBLEMS

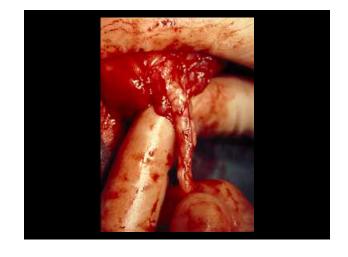






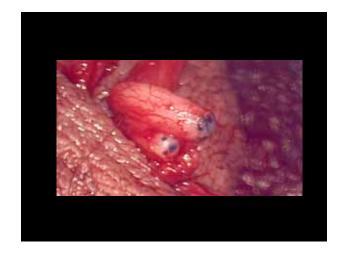


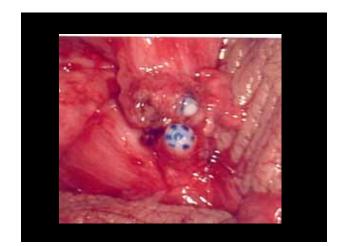


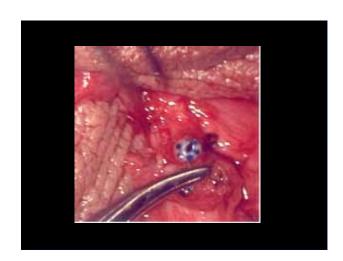




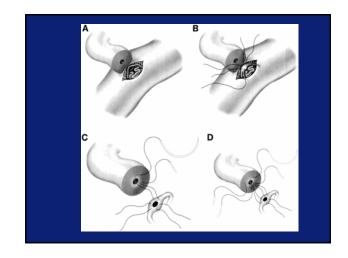


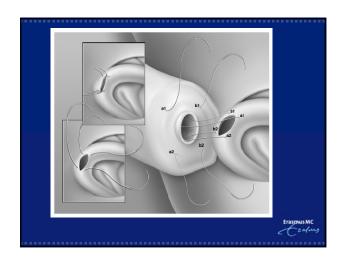


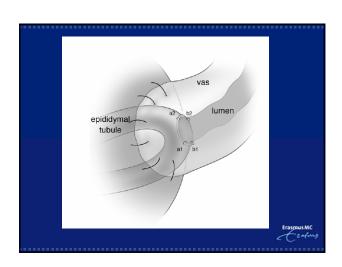












STU	DY										
From 1998 to 2002 a modified one-layer VVS was performed in 223 men.											
	nen analysis w teria)	as perfor	med after 3 aı	nd 6 months (WHO-		·					
	e results of spo hniques were e			and assisted reprodu	ctive						
	1		1								
				ti C	esmus MC Exafing						
						_					
		Percentage	pregnancy (%)	No pregnancy (%)							
	Normal sperm count	22%	65%	35%							
	Mild oligospermia	37%	33%	67%	-						
	severe oligospermia	18%	13%	87%		•					
	Azoöspermia	23%	-	100%	1						
	Motility < 10%	42%	40%	60%							
				Ei C	asmus MC Zafung	,					
						_					
RES	ULTS (1)										
		found be	otween the obj	etructive interval an	1 the	•					
	A correlation was found between the obstructive interval and the spontaneous pregnancy rate (Fig.1)										
		10		6 1: 040/							
	gnancy in 50%		s patency was	found in 84% and							
	After an interval > 10 years patency was found in 66% and										
pre	gnancy in 23%	).									
				E	asmus MC Eafung	•					

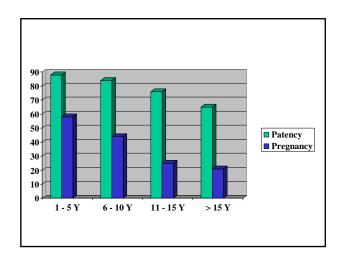


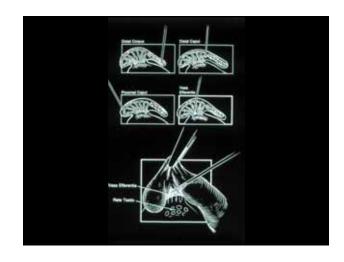
TABLE 2: results of the sperm count, sperm progressive motility and antisperm antibody (MAR) test according to the lenght of the obstructive interval between vasectomy and reversal.

SPERM COUNT	< 1,0 MILJ/ML (%)	1,0-20 MILJ.ML (%)	> 20 MILJ./ML (%)	< 10% MOTILITY (%)	MAR-TEST POS.
OBSTRUCTIVE INTERVAL < 10 YEARS	8/62 (12.9)	34/62 (54.8)	20/62 (32.3)	9/30 (30.0)	29/41 (70.7)
OBSTRUCTIVE INTERVAL > 10 YEARS	14/77 (18.2)	42/77 (54.5)	21/77 (27.3)	25/46 (54.3)	18/31 (58.1)
Student's T-test (P-value)	N.S.	N.S.	N.S.	P=0.025	N.S. (P=0.49)

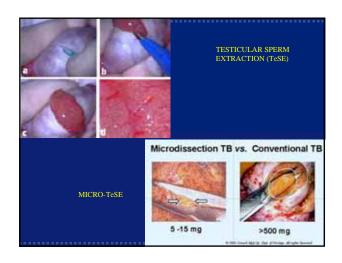
## RESULTS ART

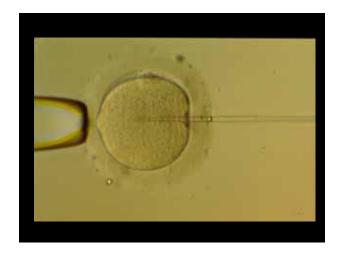
Assisted reproduction (IUI,IVF,ICSI) was performed in couples with patency, but without spontaneous pregnancy and resulted in 20% ongoing pregnancies per couple











RESUL	TS	(2) F	ARTN	IER'S	ACE

The age of the partner as a prognostic factor:

33 men had a partner > 36 years

Spontaneous pregnancy occurred in 8/36 (20%)



# RESULTS ART (1) (data from Tournaye H.)

In Brussels MESA or TESE with ICSI was performed in couples after failed VVS in men with female partners >36 years.

The mean age of the partners was 39,2 years.

129 cycles resulted in 21 deliveries (16,2% per cycle)



### COST IN EURO'S FOR A VASOVASOSTOMY (vvs) PROCEDURE AND A MESA/TeSE AND ICSI PROCEDURE VVS MESA/TESE and ICSI 3,610.40 1,143.79 3,610.40 Cost/delivery, DM Twins (% × 5,718 DM) Triplets (% × 6,530 DM) Cost/VVS, DM 40.03 130.61 6.53 1,800 Cost/MESA or TESE, DM 720 Cost/ICSI cycle, DM 5,800 4 cycles/1 life newborn, DM 17,400 Total costs, DM 5,447.06 28,804.80 2,793.36 14,547.88 Euro

### VASECTOMY REVERSAL OR ICSI

The results of the VVS procedure are depending mainly on the duration of the obstructive interval between vasectomy and reversal and the age of the female partner.

After an interval >10 years progressive loss of semen quality is found after VVS, especially loss of sperm motility.

ICSI with surgically retrieved spermatozoa after vasectomy in men with partners > 36 years does not result in more pregnancies compared to VVS.



