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Studies have related prognosis to specific isolated lesions such as:

Tubal damage Mucosal damage Adhesions

(Donnez *et al*, 1986) (Mage *et al*, 1986) (Oelsner *et al*, 1994)

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PID and Tubal Disease

- 50% of the cases
- · Multiple sites tubal damage
- 11% tubal occlusion after x1 PID
- 23% tubal occlusion after x2 PID
- 54% tubal occlusion after x3 PID

Westrom et al, 1992

Other causes of tubal disease

- · Fibrosis and endometriosis
- Salpingitis isthmica nodosa
- Cornual polypoidal lesions
- Tubal spasm
- Debris

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	Table 2. H and K classification (Rutherford and Jenkins, 2002).							
Class	Name	Description						
1	Minor/grade I	Tubal fibrosis absent even if tube occluded (proximally)						
	70% LBR	Tubal distension absent even if tube occluded (distally) Mucosal appearances favourable Adhesions (peritubal-ovarian) are filmsy						
2	Intermediate or moderate/grade II	Unilateral severe tubal damage (see below)						
	50% LBR	With or without contralateral minor disease 'Limited' dense adhesions of tubes and/or ovaries						
3	Severe/grade III	Bilateral tubal damage						
	10% LBR	Tubal fibrosis extensive						
I		Tubal distension >1.5 cm						
I		Abnormal mucosal appearance						
		Bipolar occlusion						
		'Extensive' dense adhesions						

Accurate diagnosis and assessment is a basic tenet of good medical practice, and determines the selection of appropriate fertility treatment

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Tubal patency



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Method of assessment	Reference	
Transcervical whalebone tubal catheterisation	Smith (1849)	
Laparoscopy	Iacobaeus (1910), Palmer (1947;	
Hysterosalpingogram	Carey (1914)	
Rubin's test: tubal perfusion pressures		
Oxygen	Rubin (1920)	
Carbon dioxide	Rubin (1952)	
Dye injections with culdoscentecis	Decker (1952)	
Injection of phenolsulphonphthalein which, having	Speck (1970)	
been absorbed by the peritoneum if the Fallopian tubes	-	
were patent, could then be detected in the urine		
Injection of radiolabelled xenon solution with	Pertynski et al. (1977)	
gamma-camera screening		
Selective salpingography and tubal catheterisation	Corfman and Taylor (1966)	
Salpingoscopy	Brosens et al. (1987)	
Falloposcopy	Kerin et al. (1990a)	
Hystercontrast sonography	Deichert (1993)	
Fertiloscopy	Watrelot et al. (1999)	

Table 2. Characteristics of the ideal Fallopian tube assessment test.						
Characteristic	Definition					
Safety Accuracy Reliability (reproducability) Effectiveness (therapeutic potential) Prognostic ability Cost	The incidence of any short- or long-term complications Extent to which the test measures what is supposed to measure (but what is the 'gold standard'?) The degree to which repeated use of the test by the same or different examiners on the same patient produces the same result Ability to improve pregnancy rates Ability to inform about the possibility of a post-test pregnancy The total cost of the procedure expressed either in monetary terms or in terms of money per live birth, where such information is availabl					
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Proximal tubal disease 10-25%					
Responds to catheterization?	Condition				
Frequently Occasionally Never	Muscular spasm, stromal oedema, amorphous debris, mucosal agglutination, viscous secretions Cornual polyps, chronic salpingitis, endometriosis, salpingitis istlumica nodosa, intrauterine synechiae, parasite infection Lumenal fibrosis, failed tubal re-anastomosis, leiomyomata, congenital stresia, tuberculosis				
	Das, Nardo & Seif, RBM Online 2007				
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Hysteroscopic TC

Proximal tuba cannulation	Il disease: the pla	ace for tubal Table 2. Demographics, success at cannulation and pregnancy outcomes or \$1 Month Hompital Monohester		
she har She is a	she has published peer-reviewed articles in th She is currently completing the advanced tra	Parameter	Value	
D'Saganta Dar Hangang, Dari Loratoro Alterna Acadonic Lindo d'Obtanne a Bepannent et Angostative An	9.Mound W Garl 43 Moundedhoar and Roppolarius a datas, fir Yun, d'Hang Hongsta, M	Mean age in years (range) Bilateral block Both successfully cannulated One tube successfully cannulated Neither side cannulated Unilateral block (all successfully cannulated) Only one tube present (all successfully cannulated) Success rate Per tube cannulated Per patient Prepaney outcomes Live birth Ectopic pregnancy Miscarriage Unknown Failed to conceive Other fertility treatment Ovulation induction	28 (20-46) 41/53 (77.4) 24/41 (58.5) 9/41 (22.0) 8/41 (19.5) 8/53 (15.1) 4/53 (7.5) 69/94 (73.4) 30/53 (67.9) 12/36 (33.3) 7 (19.4) 1 (2.8) 3 (8.3) 1 (2.8) 24/36 (66.7) 1 2	
GyneHealth		IVF Outcome information missing	10 17/53 (32.1)	



Tubal cannulation is a treatment option in cases of proximal tubal occlusion

NICE guidelines, 2004

- Women of young age (<35 yrs)
- In the absence of other causes of subfertility
- · If pregnancy had already occurred
- If surgical skills are available

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Woolcott, 1996

Costs saving Tubal factor contributes to 36% of all IVF cycles (HFEA, 1998). The estimated cost of IVF is £3000 per cycle in addition to costs of consultation, drugs and investigations (HFEA, 2007) whereas endoscopic tubal cannulation costs the National Health Service approximately £850 per procedure. Lang and Dunaway (1996) have also reported similar savings with tubal cannulation over IVF treatment for all women with proximal tubal occlusion. Costing remains an important issue in a climate when the provision of state funding for IVF remains unresolved.

Das, Nardo & Seif, RBM Online 2007

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