

Lasers in Gynaecology

- **Anil Sharma**

MB ChB (Leicester) DGM FRCOG CST(UK) FRANZCOG
Diploma in Legal Aspects of Medical Practice (Cardiff)
Consultant Gynaecologist and Urogynaecologist
Waitakere and North Shore Hospitals, Auckland

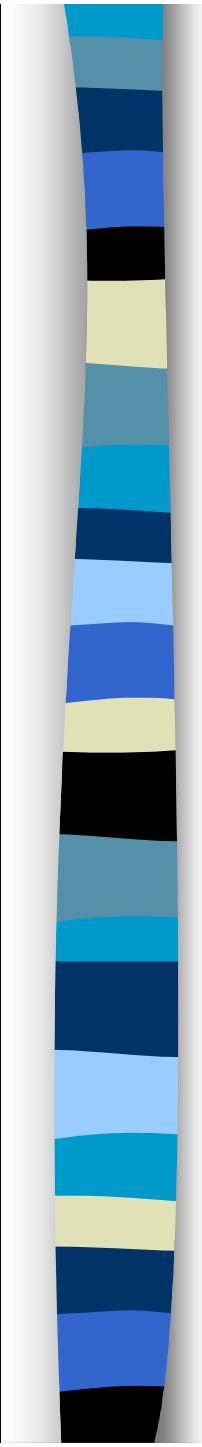
- **Level 4, Ascot Central, next to Ascot Hospital**
- **www.dranilsharma.co.nz**



Waitemata
District Health Board
Te Wai Awhina



Anil Sharma
GYNAECOLOGIST

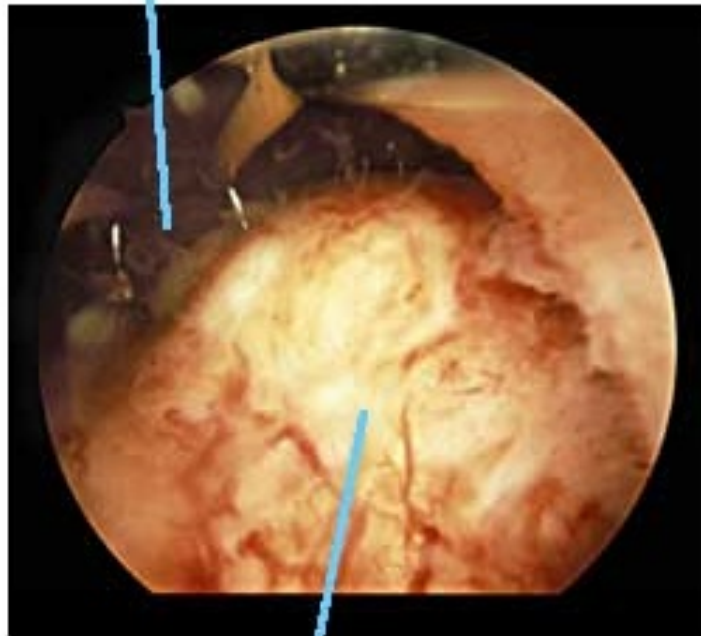


Uses in Gynaecology

- CO2 LASER for CIN2&3
?precision with less scarring.
- CO2 for endometriosis vaporisation, has been used for resection.
- LVR (Laser Vaginal Rejuvenation)

Hysteroscopic Diathermy for Resection of polyps and submucous fibroids

Resectoscope loop



Fibroid filling uterine cavity

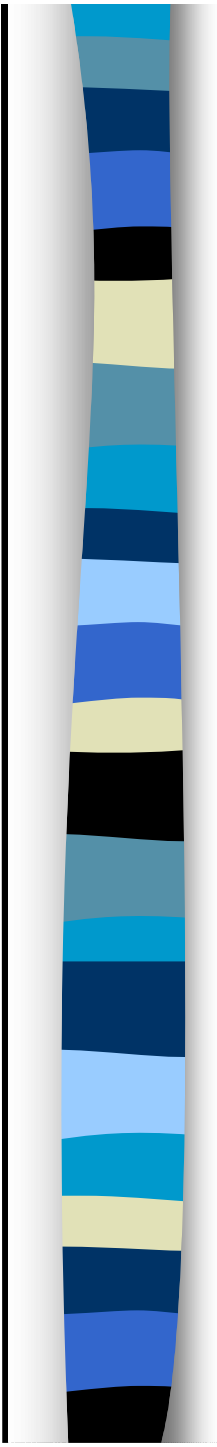
Uterine cavity after removal of fibroid



Waitemata
District Health Board
Te Wai Awhina

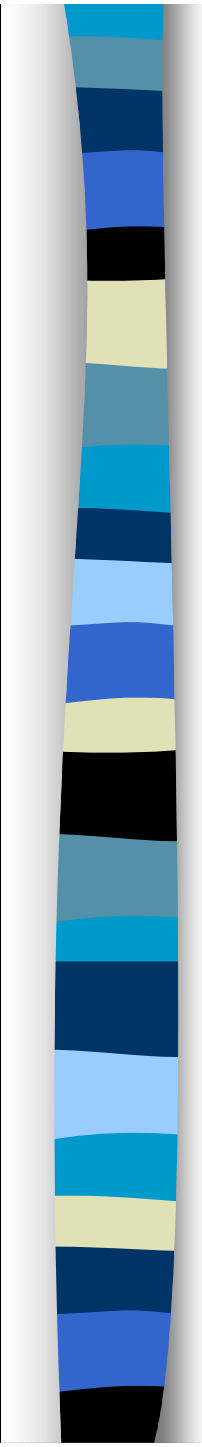


Anil Sharma
GYNAECOLOGIST



Novasure Endometrial Ablation

- For heavy periods
- Bipolar radio-frequency energy
- Need for contraception
- GA vs LA
- 50-65% amenorrhoea at 5 years
- 10% hysterectomy at 5 years
- 90% satisfaction



Bipolar Radiofrequency

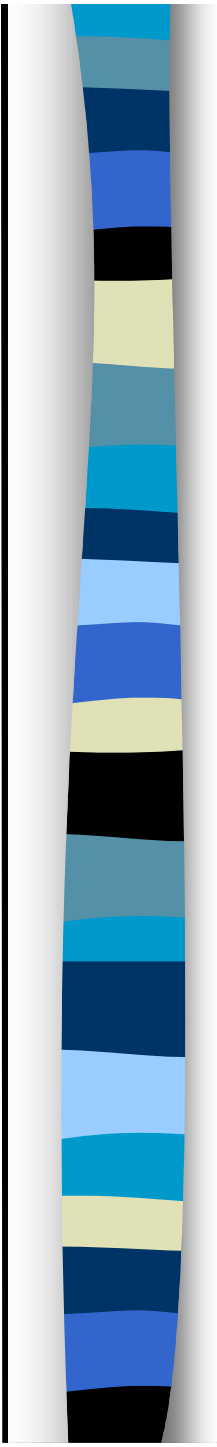
- High frequency AC
- Impedance controlled
- Safety mechanism
- No longer allows surgeon bypass



Waitemata
District Health Board
Te Wai Awhina

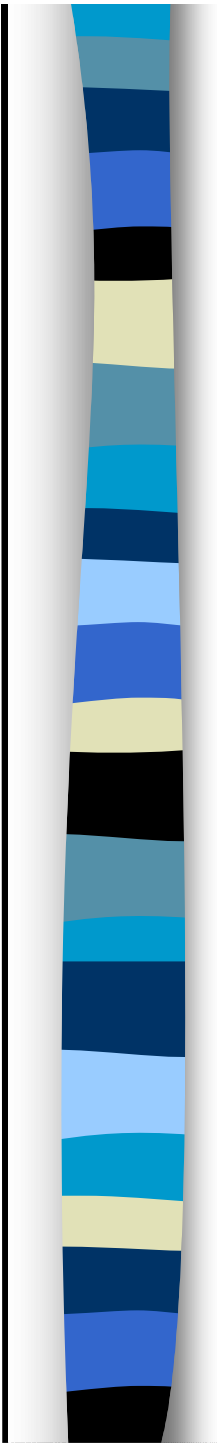


Anil Sharma
GYNAECOLOGIST



Novasure- Clinical Experience

- 1M + worldwide
- Largest series in NZ
- 3% hysterectomy rate for 'failure' at 12 months average follow-up. One showed necrotic endom, 1 showed small nest endom.
- 97% satisfaction rate to date
- 1 post-op infection, oral antibiotics



Adiana hysteroscopic sterilisation

- Tiny silicon matrix 'rice-grain'
- Local anaesthetic (and GA)
- Hysteroscopic insertion after RF burst
- 95% successful at time of surgery
- 98.4% efficacy at 3 years
- HSG currently needed
- Prospect of Novasure concurrently in the future, but can have after HSG



Waitemata
District Health Board
Te Wai Awhina



Anil Sharma
GYNAECOLOGIST

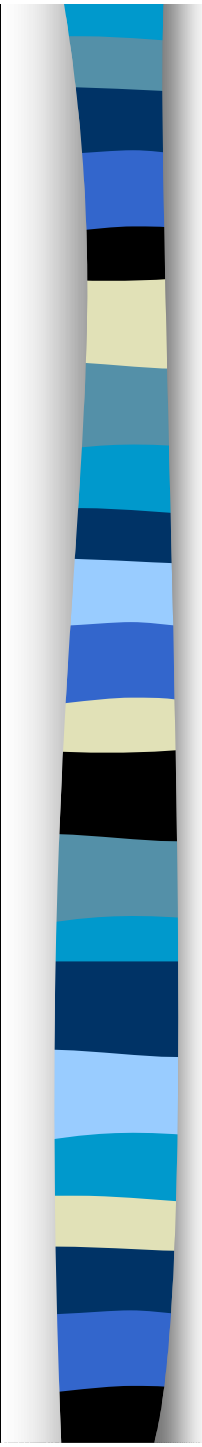
Adiana



Waitemata
District Health Board
Te Wai Awhina



Anil Sharma
GYNAECOLOGIST



Thank you



Waitemata
District Health Board
Te Wai Awhina



Anil Sharma
GYNAECOLOGIST