Lasers in Gynaecology

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- Level 4, Ascot Central, next to Ascot Hospital
- www.dranilsharma.co.nz
Uses in Gynaecology

- CO2 LASER for CIN2&3 with 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
- Uterine cavity after removal of fibroid
- Fibroid filling uterine cavity
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
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
Adiana
Thank you