“One stop shop” in Gynaecology

diagnosis and treatment in an outpatient setting

Dr Helen Doran  MBChB MSc FRCOG MFSRH DipMedEd
Consultant Obstetrician & Gynaecologist
CUMH/ South Infirmary Victoria University Hospital, Cork
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Background</td>
</tr>
<tr>
<td>2</td>
<td>Outpatient Hysteroscopy for Diagnosis &amp; Therapy</td>
</tr>
<tr>
<td>3</td>
<td>Future - One stop shop</td>
</tr>
</tbody>
</table>
- Gynaecology Combined Outpatient Waiting List = 4227
  - General Gynaecology Appointment = 2135

- Gynaecology Combined Inpatient Waiting List = 558
  - Long waiters 209 (<i>&gt;8 months wait</i>)

- As of October 2014
Public General Gynaecology Referrals received by:

- Dr Cathy Burke
- Dr Helen Doran
- Prof Richard Greene/ Prof John Higgins
- Dr Dan McKenna
- Dr Mairead O’Riordan
- Dr Noirin Russell
Weekly SIVUH Gynaecology Clinic Mondays

- 25 appointments
- 10 New Patients + 15 Return Patients + 2 Urgent

- 40% New Patient DNA Rate
- 27% Total DNA Rate

- 1 Consultant + 2-3 NCHDs
- 28 Clinics in 8 months
Mercy Gynaecology clinic visits
6month Audit Jan-July 2009 n=446
Presenting Complaints

- Menstrual disturbance: 92 (Return), 38 (New)
- Ring pessary: 74 (Return), 2 (New)
- PMB: 30 (Return), 29 (New)
- Ovarian cyst: 43 (Return), 11 (New)
- Post-op: 40 (Return), 13 (New)
- Pelvic pain: 22 (Return), 14 (New)
- Urology: 15 (Return), 2 (New)
- Other: 22 (Return)
- 1 in 20 women aged 30-49 years consult GP with menorrhagia
- 20% of women less than 35 years \(\text{Vessey 1992}\)

- Menorrhagia
- 50% is secondary to pathology \(\text{Turner 2000}\)
- 50% is “Dysfunctional Uterine Bleeding”
  - Diagnosis of exclusion
  - Occurs in ovulatory and anovulatory cycles
- **Offer Outpatient Hysteroscopy where possible**

- **In St Finbarr’s Clinic B Suite** - Thursday morning list - Dr Burke

- **In SIVUH** - In theatre setting - Tuesday afternoon list - Dr Doran
In 1807

Bozzini described a "Lichtleiter" of feather and tin

Adhesions, polyps and tumours will be operated upon under direct vision

- Patient referral triage
- Directly to hysteroscopy clinic
- Receive info by post
Care Pathway

- Assess need
- Explain
- Examine
- Local + Vocal Local
- Hysteroscope
- Pressurised fluid
- +/- Pipelle biopsy
- +/- treat
- Recovery chair
- Cup of Tea
- Explain plan
- Telephone Clinic Follow Up
Hysteroscopy SIVUH
Development of Hysteroscopes - size

- 10mm resectoscope
- 4mm operating hysteroscope
- 3mm Flexible hysteroscope
Hysteroscopy - Diagnostic Use

- Endometrial Cancer
- Intrauterine polyps
- Intrauterine Submucous Fibroids
Treatment of AUB
- Resection or hysteroscopic ablation

- Loop resection of endometrium intrauterine fibroids

- Roller ball ablation
Bipolar resection with Saline

Versascope – disposable sheath hysteroscope

- Bipolar resection
- Lasoo
- Scissors
- Forceps
Endometrial ablation

- Cryotherapy - Her Option
- Hydrothermablation
- Radiofrequency - Novasure
- Balloon - Thermablate
## Endometrial resection/ablation

<table>
<thead>
<tr>
<th>Resectoscope</th>
<th>2nd generation</th>
<th>New generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient GA</td>
<td>Day-case sedation/GA</td>
<td>Local+/- rescue sedation</td>
</tr>
<tr>
<td>Under direct vision</td>
<td>Blind</td>
<td>Blind</td>
</tr>
<tr>
<td>Training+experience</td>
<td>Training</td>
<td>Minimal Training</td>
</tr>
<tr>
<td>Preparation</td>
<td>No preparation</td>
<td>No preparation</td>
</tr>
<tr>
<td>Operating time &gt;20mins</td>
<td>Operating time 8-20mins</td>
<td>Operating time &lt; 3mins-</td>
</tr>
<tr>
<td>e.g. TCRE, rollerball, Yag</td>
<td>e.g. Thermachoice, HTA</td>
<td>e.g. Thermablate, Novasure-</td>
</tr>
</tbody>
</table>
### Endometrial resection/ablation

<table>
<thead>
<tr>
<th>Reectoscope</th>
<th>2nd generation</th>
<th>New generation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Complications:</strong></td>
<td><strong>Complications:</strong></td>
<td><strong>Complications:</strong></td>
</tr>
<tr>
<td>- Fluid overload <em>(el-free)</em></td>
<td>- Perforation + damage</td>
<td>- Perforation + damage*</td>
</tr>
<tr>
<td>- Perforation + damage</td>
<td>- HTA + vaginal fluid burns</td>
<td>- LA + discomfort</td>
</tr>
<tr>
<td>- Haemorrhage</td>
<td>- GA/ Sedation</td>
<td>- readmission</td>
</tr>
<tr>
<td>- GA</td>
<td>- Postablation tubal ligation syndrome</td>
<td>- Postablation tubal ligation syndrome**</td>
</tr>
<tr>
<td>- Post-ablation tubal ligation syndrome</td>
<td></td>
<td>- <em>Marsh 2005, Solnik 2005</em></td>
</tr>
</tbody>
</table>


Ideal technology

Short learning curve

Short operating time <3mins

Easy

Quick

Outpatient

Successful

Local Anaesthetic
Outpatient friendly machine
Combine with sterilisation

Patient satisfaction
Quality of life
Amenorrhoea
Hypomenorrhoea
Complications of operative hysteroscopy

Mostly entry related:

- In 13,600 women  Jansen 2000  0.28%
- In 21,000 women  Aydeniz 2002

Total  0.22%

- Perforation  0.12%  (with myomectomy 0.15%)
- Bleeding no perforation  0.03%
- Infection  0.01%
- Offer One Stop Clinic - on one site

- Diagnosis & Therapy of AUB & PMB
- Colposcopy
- Ultrasound
- Urodynamics & Incontinence Services
- Vulval Biopsy
Future

The future of endoscopy
“One stop shop” in Gynaecology

-diagnosis and treatment in an outpatient setting

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<table>
<thead>
<tr>
<th>W/L Name</th>
<th>Jan</th>
<th>Feb</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July/Aug</th>
<th>Sept</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Gynae</td>
<td>1383</td>
<td>1457</td>
<td>1610</td>
<td>1792</td>
<td>1862</td>
<td>1941</td>
<td>2072</td>
<td>2135</td>
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<tr>
<td>Gynae Onc</td>
<td>130</td>
<td>123</td>
<td>56</td>
<td>38</td>
<td>43</td>
<td>42</td>
<td>46</td>
<td>60</td>
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<tr>
<td>Gynae Scan</td>
<td>280</td>
<td>302</td>
<td>334</td>
<td>380</td>
<td>385</td>
<td>411</td>
<td>438</td>
<td>465</td>
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<tr>
<td>Hysteroscopy</td>
<td>119</td>
<td>107</td>
<td>93</td>
<td>109</td>
<td>97</td>
<td>115</td>
<td>113</td>
<td>112</td>
</tr>
<tr>
<td>PMB</td>
<td>34</td>
<td>38</td>
<td>25</td>
<td>35</td>
<td>13</td>
<td>23</td>
<td>29</td>
<td>30</td>
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<tr>
<td>Urogynaecology</td>
<td>570</td>
<td>587</td>
<td>618</td>
<td>669</td>
<td>716</td>
<td>742</td>
<td>777</td>
<td>814</td>
</tr>
<tr>
<td>Fertility</td>
<td>321</td>
<td>326</td>
<td>347</td>
<td>293</td>
<td>310</td>
<td>314</td>
<td>307</td>
<td>318</td>
</tr>
<tr>
<td>Perineal</td>
<td>230</td>
<td>222</td>
<td>201</td>
<td>200</td>
<td>187</td>
<td>180</td>
<td>176</td>
<td>181</td>
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<tr>
<td>BGH</td>
<td>90</td>
<td>82</td>
<td>93</td>
<td>95</td>
<td>111</td>
<td>110</td>
<td>108</td>
<td>116</td>
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<tr>
<td>MIT</td>
<td>31</td>
<td>36</td>
<td>44</td>
<td>52</td>
<td>41</td>
<td>50</td>
<td>53</td>
<td>46</td>
</tr>
<tr>
<td>Total</td>
<td>3188</td>
<td>3280</td>
<td>3421</td>
<td>3663</td>
<td>3765</td>
<td>3928</td>
<td>4119</td>
<td>4277</td>
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</table>
Mercy Gynae Clinic Attendance
Total No of patients seen 2013 = 1076

Total No of patients seen 2012 = 1034

Total No of patients seen 2011 = 987

Total No of patients seen 2010 = 821

Total No of patients seen 2009 = 777

Total No of patients seen 2008= 721
Mercy Gynae Clinic DNA Rate

- 2009 - 21%
- 2010 - 17%
- 2011 - 15%
- 2012 - 12%
- 2013 - Mercy - 11%

Since reconfiguration

- 2013 - SIVUH - 31%
### Gynae OPD waiting list

<table>
<thead>
<tr>
<th></th>
<th>0-3 month wait</th>
<th>3-6 month wait</th>
<th>6-12 month wait</th>
<th>12-24 month wait</th>
<th>Grand Total on waiting list</th>
<th>% waiting over 6 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. as of May 2009</td>
<td>21</td>
<td>34</td>
<td>60</td>
<td>43</td>
<td>158</td>
<td>65%</td>
</tr>
<tr>
<td>No. as of Sep 2009</td>
<td>87</td>
<td>30</td>
<td>50</td>
<td>1</td>
<td>167</td>
<td>30%</td>
</tr>
<tr>
<td>No. as of Oct 2010</td>
<td>91</td>
<td>51</td>
<td>29</td>
<td>4</td>
<td>175</td>
<td>19%</td>
</tr>
<tr>
<td>No. as of Feb 2011</td>
<td>97</td>
<td>40</td>
<td>34</td>
<td>0</td>
<td>171</td>
<td>20%</td>
</tr>
<tr>
<td>No. as of Oct 2012</td>
<td>108+5 paeds</td>
<td>66+3 paeds</td>
<td>91</td>
<td>0</td>
<td>193</td>
<td>5%</td>
</tr>
<tr>
<td>No. as of Feb 2013</td>
<td>102+1 paeds</td>
<td>69+1 paeds</td>
<td>91</td>
<td>0</td>
<td>184</td>
<td>6%</td>
</tr>
<tr>
<td>No. as of Sep 2013</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. as of Dec 2013</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. as of Dec 2014</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. as of Dec 2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Adiana - Hologic
Hysteroscopic sterilisation

Essure

1. Ostia visualized
2. Delivery catheter positioned
3. Release catheter gold band
4. Micro-insert positioned

Micro-inserts in place during HSG