An evaluation of postplacental insertion of intrauterine contraception at caesarean section

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Outcomes are poorer with shorter birth to pregnancy intervals

Local data

- 13.9% of parous women had birth to pregnancy interval of <1 year
- 12.9% of parous women attending for abortion gave birth <1 year ago
Intrauterine contraception at caesarean section
Methods

- Ethical approval gained
- All women scheduled for caesarean: written info
- One to one and group training for doctors
- Evaluation of complications and satisfaction up to 6 months
## Demographics

### Total women consented 120

Age range: 20-41 years, median 33 years  
BMI range: 17.0-49.7, median 26.3

<table>
<thead>
<tr>
<th></th>
<th>N=</th>
<th>%</th>
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<tbody>
<tr>
<td>Parous</td>
<td>111</td>
<td>93%</td>
</tr>
<tr>
<td>Nulliparous</td>
<td>9</td>
<td>7%</td>
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<table>
<thead>
<tr>
<th>SMID data</th>
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<tbody>
<tr>
<td>5 (affluent)</td>
<td>33</td>
<td>28%</td>
</tr>
<tr>
<td>4</td>
<td>22</td>
<td>18%</td>
</tr>
<tr>
<td>3</td>
<td>20</td>
<td>16%</td>
</tr>
<tr>
<td>2</td>
<td>24</td>
<td>20%</td>
</tr>
<tr>
<td>1 (deprived)</td>
<td>21</td>
<td>18%</td>
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Results: uptake and outcomes

877 elective caesarean sections

- 120 chose IUC at caesarean (13.7%)
  - 6 not inserted
    - 2 changed mind
    - 4 not inserted
      - 9 expulsions (7.9%)
      - 9 removals (7.9%)
      - 1 accidentally removed
    - 114 insertions
      - 3 inserted
        - 6 reinsertions
      - 9 expulsions
      - 9 removals
      - 1 reinsertion
      - 1 pregnancy
      - 83 still in situ at 6 months (73%)
      - 91 in situ at 6 months (87%)
    - 15 lost to follow up (76%)
  - 114 insertions
    - 3 inserted
      - 6 reinsertions
      - 1 removal
    - 9 expulsions
      - 9 removals
      - 1 reinsertion
      - 1 pregnancy
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      - 91 in situ at 6 months (87%)
    - 15 lost to follow up (76%)
Results: 6 week follow up

100 attended

- 47 (47%) threads seen on speculum
- 4 (4%) device partly expelled
- 49 (49%) no threads seen
- 3 devices (75%) reinserted
- 48 seen on ultrasound
- 1 partial expulsion, removed
- 1 not seen (unnoticed expulsion)
Results: choice of device

- 88%
- 12%
Results: satisfaction with device

Six weeks  
\[n=99\]
- Very happy: 42%
- Quite happy: 44%
- Neutral: 14%

Six months  
\[n=89\]
- Very happy: 69%
- Quite happy: 25%
- Neutral: 4%
- Very unhappy: 2%
In conclusion

• IUC at section is popular
• Rate of complications is low
• Satisfaction is high
• Ideal opportunity to provide women with long acting effective contraception
• Increased uptake could lead to fewer unintended pregnancies