Magnetic double pigtail stent: an economically interesting innovative device?

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Evaluate the cost of standard DPS and their removal in order to determine if MBSK can be economically relevant in our hospital

Materials and methods

- Economical comparison between
  - The classic procedures
    - In male
    - In female
  - The Magnetic black star procedure

- Parameters
  - The average cost of staff
    - Timekeeping of several procedures
    - Surgeons and nurses salaries
  - Costs linked to RMD
    - Purchase prices
    - Depreciation prices
  - Sterilization costs
  - Costs of each single used medical devices required for the procedure

- Common costs → not taken into account

Goal

Evaluate the cost of standard DPS and their removal in order to determine if MBSK can be economically relevant in our hospital

Results & Discussion

Male procedure

Magnetic double pigtail stent procedure

Female procedure

Sterilization cost

- Outsourcing of sterilization
- Flexible cystoscope disinfection

<table>
<thead>
<tr>
<th>Procedure Type</th>
<th>Average cost of staff</th>
<th>Cost of re-sterilizable medical devices</th>
<th>Cost of single use medical device</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>20,27€</td>
<td>84,92€</td>
<td>69,14€</td>
<td>174,34€</td>
</tr>
<tr>
<td>Female</td>
<td>2,20€</td>
<td>55,71€</td>
<td>112,40€</td>
<td>114,60€</td>
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</tbody>
</table>

Gains: about 60€ per procedure in male

Gains: about 20€ per procedure in female

Conclusion

Using MBSK will be economically relevant in Argenteuil hospital and will avoid the use of fragile devices like the flexible endoscope.