RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE

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Hospital Universitari de Girona Dr Josep Trueta
Tertiary University Hospital
6 first/second level hospitals
Population: 739,607 inhabitants (9% of Catalonia)
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Introduction

Steps of implementation of laparoscopic procedures

First lap hepatectomy in HJT
First posterior segment (n=16)
First personal lap hepatectomy (n=8)
First redo hepatectomy (n=21)
First right hepatectomy (n=30)
First left hepatectomy (n=42)
First simultaneous hepatectomy (n=59)
First bilateral hepatectomy (n=78)
First two stage hepatectomy (n=110)
First vascular reconstruction during hepatectomy (n=242)
First redo resection after open hepatectomy (n=128)

Henri Mondor (4 weeks)
IM Montsouris (4 weeks)
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Introduction
RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE

Results

2003-2016
559 liver resections for CLM
140 (25%) laparoscopic resections in 118 patients
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Results 2003-2016
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140 (25%) laparoscopic resections in 118 patients

- Male: 33
- Female: 85
- Colon: 46
- Rectum: 72
- <50: 10
- 51-60: 23
- 61-70: 44
- 71-80: 31
- >80: 10
- Synchronous: 50
- Metachronous: 68
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# RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE

## Surgical data

<table>
<thead>
<tr>
<th>Results</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preoperative portal embolization</td>
<td>22 (16%)</td>
</tr>
<tr>
<td>Operative time</td>
<td>300 (105-600) min</td>
</tr>
<tr>
<td>Hilar clamping</td>
<td>117 (84%)</td>
</tr>
<tr>
<td>Clamping time</td>
<td>51 (5-191) min</td>
</tr>
<tr>
<td>Blood loss</td>
<td>348 (10-4468) ml</td>
</tr>
<tr>
<td>Additional RF</td>
<td>21 (15%)</td>
</tr>
<tr>
<td>Simultaneous colorectal resection</td>
<td>4 (3%)</td>
</tr>
<tr>
<td>Additional surgical procedures</td>
<td>17 (12%)</td>
</tr>
<tr>
<td>Conversion</td>
<td>13 (9%)</td>
</tr>
</tbody>
</table>
**RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE**

<table>
<thead>
<tr>
<th>Results</th>
<th>Postoperative data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall morbidity</td>
<td>39 (28%)</td>
</tr>
<tr>
<td>Dindo-Clavien I-II / ≥IIIa</td>
<td>122 (87%) / 18 (13%)</td>
</tr>
<tr>
<td>Biliary fistula</td>
<td>7 (5%)</td>
</tr>
<tr>
<td>Infected collection</td>
<td>11 (8%)</td>
</tr>
<tr>
<td>Superficial SSI</td>
<td>5 (4%)</td>
</tr>
<tr>
<td>Respiratory complications</td>
<td>6 (4%)</td>
</tr>
<tr>
<td>Hemoperitoneum</td>
<td>6 (4%)</td>
</tr>
<tr>
<td>Liver insufficiency</td>
<td>8 (6%)</td>
</tr>
<tr>
<td>Ascites</td>
<td>5 (4%)</td>
</tr>
<tr>
<td>Reoperation</td>
<td>4 (3%)</td>
</tr>
<tr>
<td>90-day mortality</td>
<td>3 (2%)</td>
</tr>
<tr>
<td>Hospital stay</td>
<td>4 (1-50) days</td>
</tr>
<tr>
<td>Readmission</td>
<td>10 (7%)</td>
</tr>
<tr>
<td>Adjuvant CT</td>
<td>123 (88%)</td>
</tr>
</tbody>
</table>
RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE

Overall survival (118 patients)

Median: 57 months

Results
RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE

Disease-free survival (118 patients)

Median: 19 months
Conclusion

Laparoscopic approach in CLM obtain peroperative and oncological outcomes comparable to worldwide published data.