



FIRST WORLD CONGRESS OF THE

INTERNATIONAL LAPAROSCOPIC LIVER SOCIETY

LAPAROSCOPIC LIVER RESECTION:
FROM INNOVATION TO STANDARD
PRACTICE

JULY 6-8 2017

**MAISON DE LA CHIMIE
PARIS - FRANCE**



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



**López-Ben, S - Albiol, MT - Falgueras, I - Castro, E
Casellas, M - Codina-Barreras, A - Figueras, J**
*Hospital Universitari de Girona Dr Josep Trueta
Girona-Catalonia*

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



Hospital Universitari de Girona Dr Josep Trueta

Tertiary University Hospital

6 first/second level hospitals



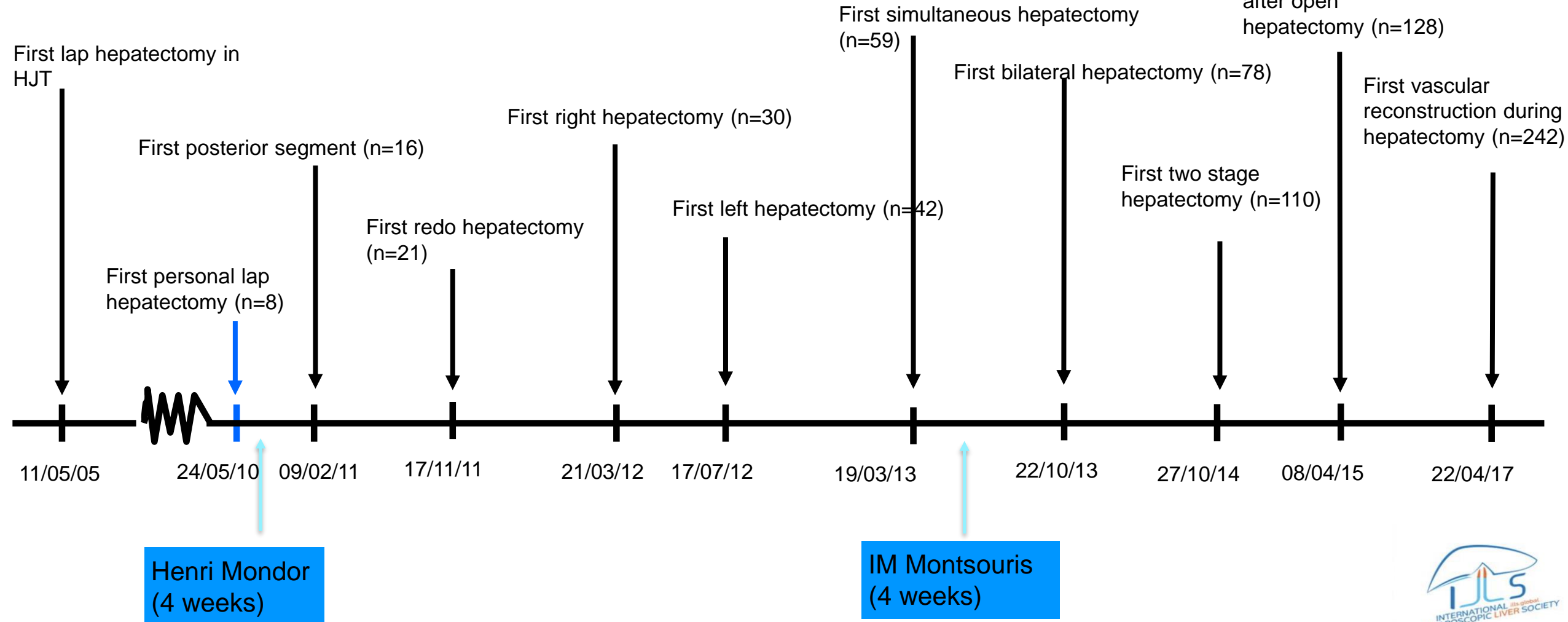
Population: 739.607 inhabitants (9% of Catalonia)

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



Introduction

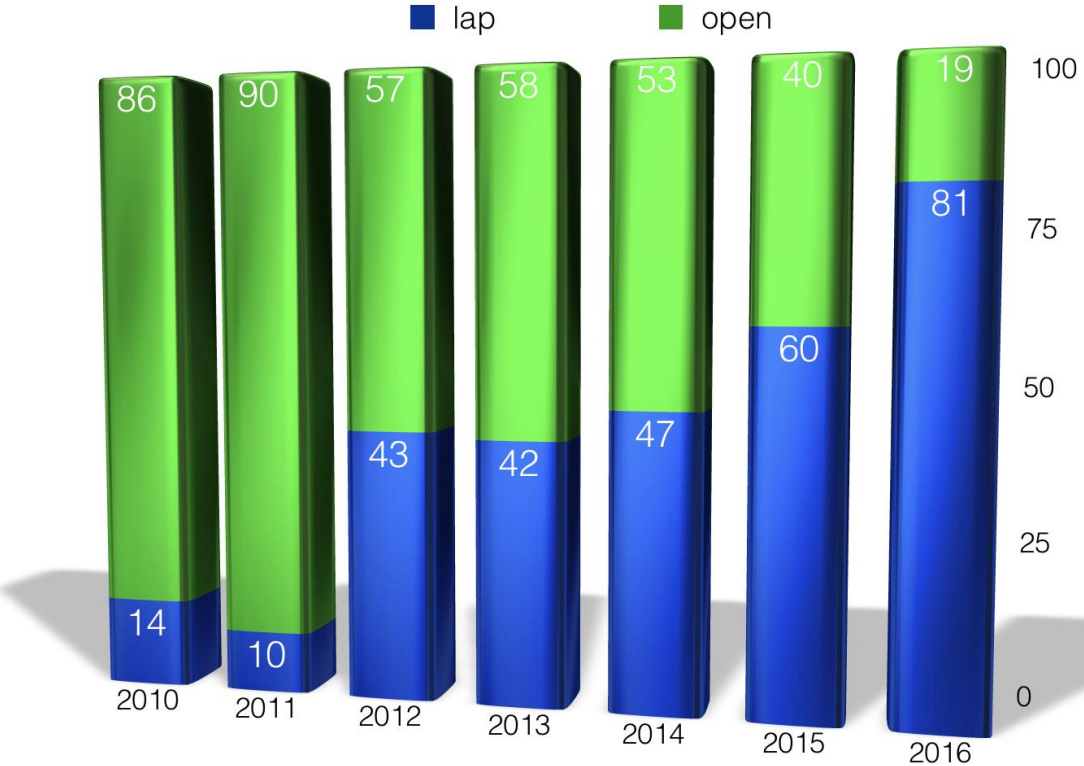
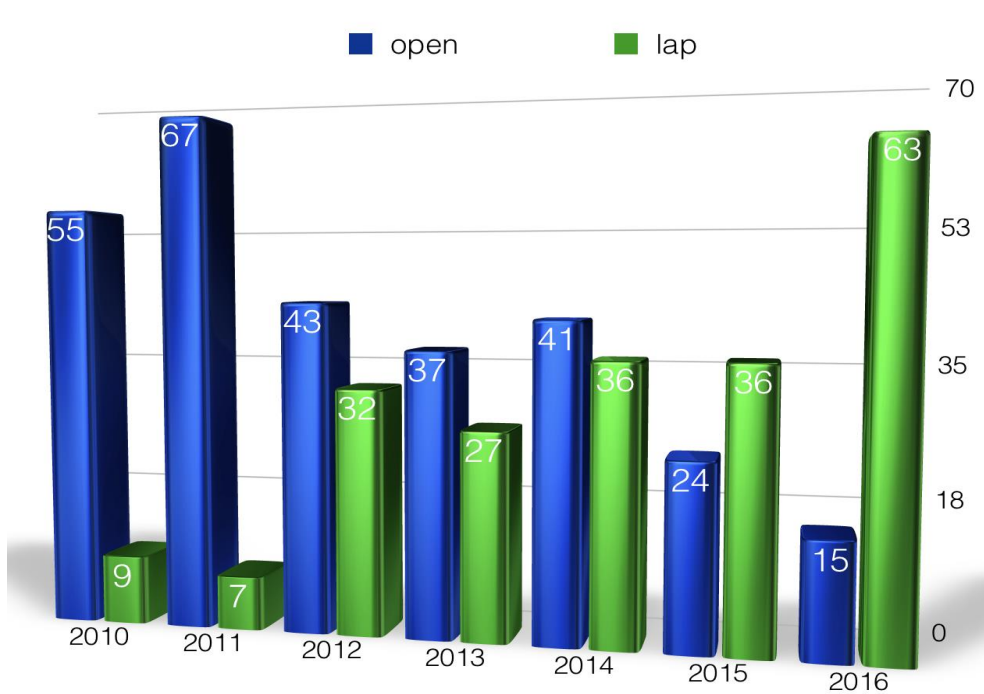
Steps of implementation of *laparoscopic* procedures



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



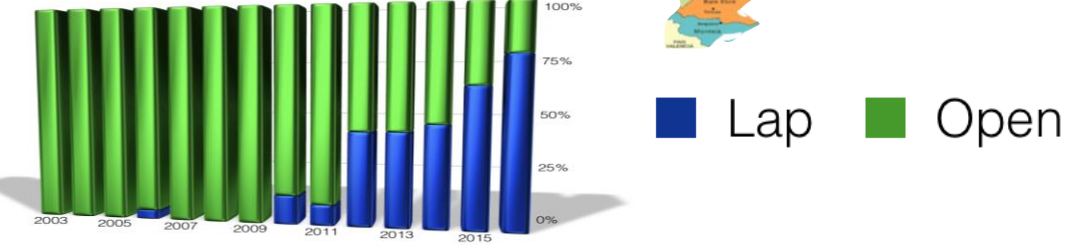
Introduction



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



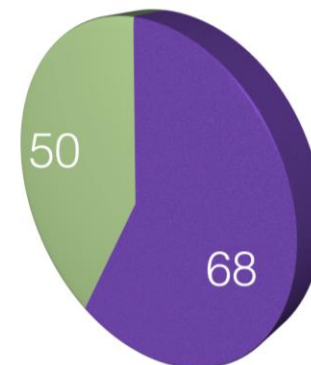
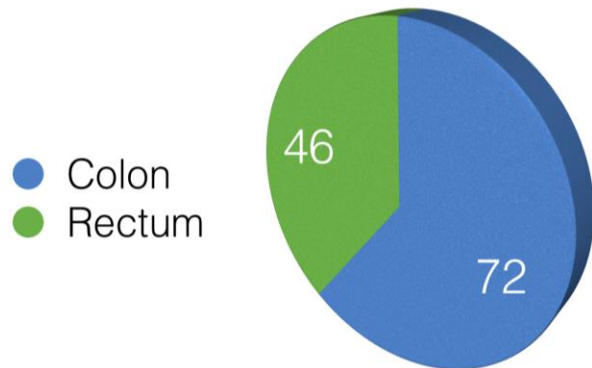
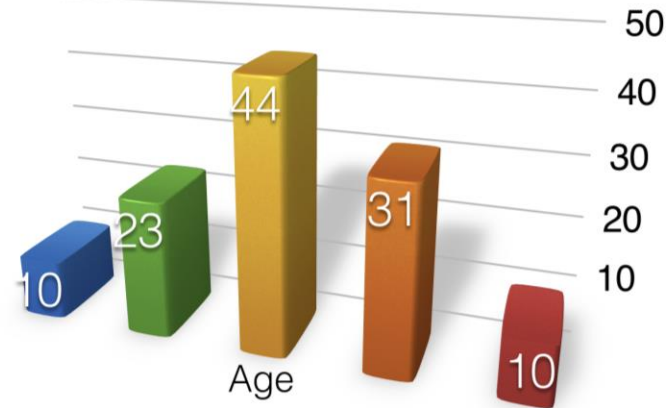
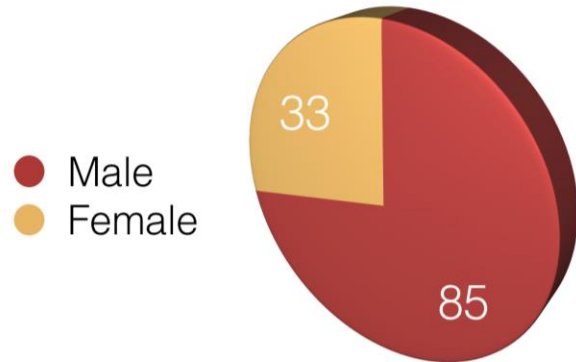
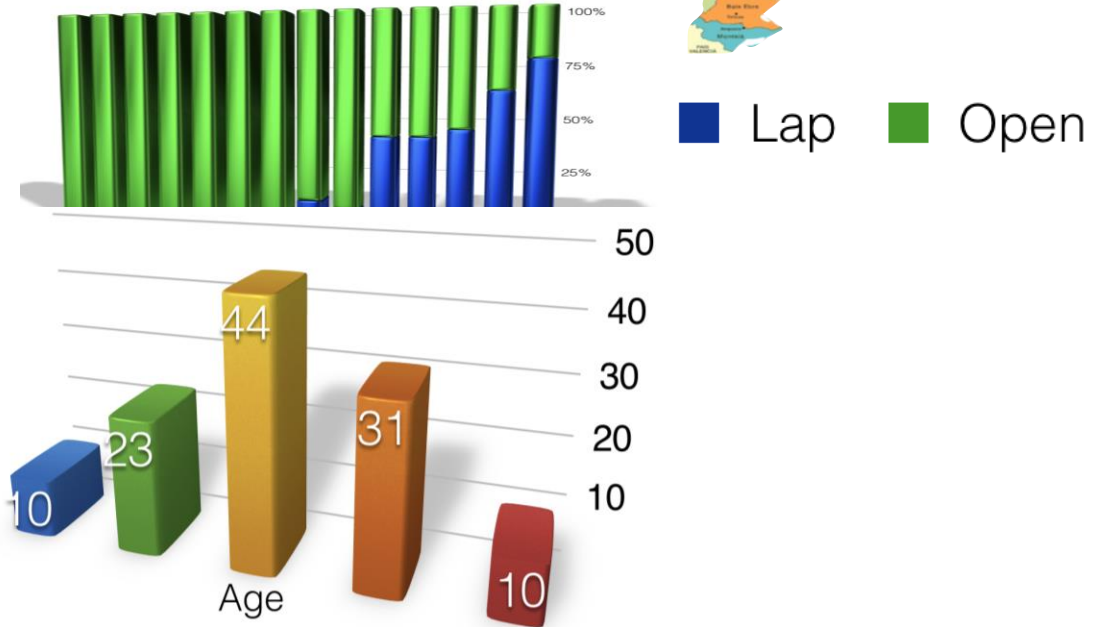
Results 2003-2016
559 liver resections for CLM
140 (25%) laparoscopic resections in 118 patients



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



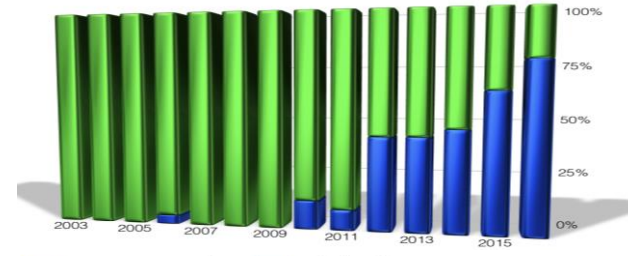
Results 2003-2016
 559 liver resections for CLM
 140 (25%) laparoscopic resections in 118 patients



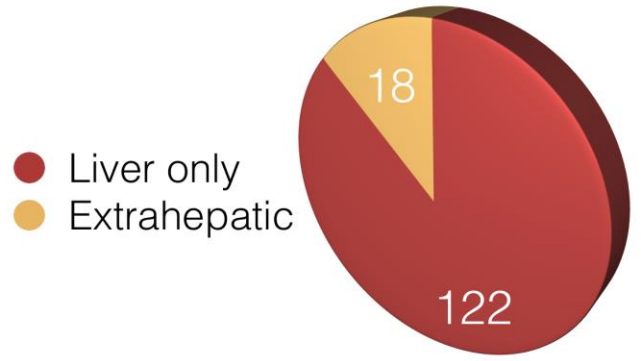
RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE



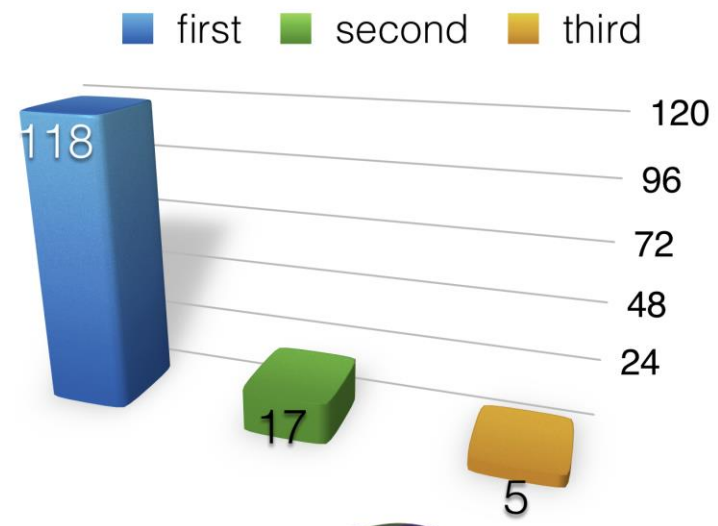
Results 2003-2016
 559 liver resections for CLM
 140 (25%) laparoscopic resections in 118 patients



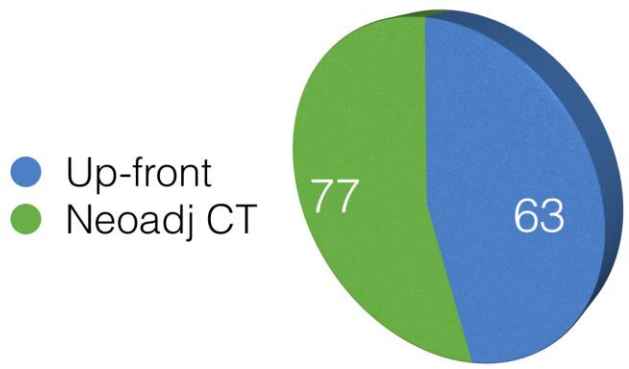
■ Lap ■ Open



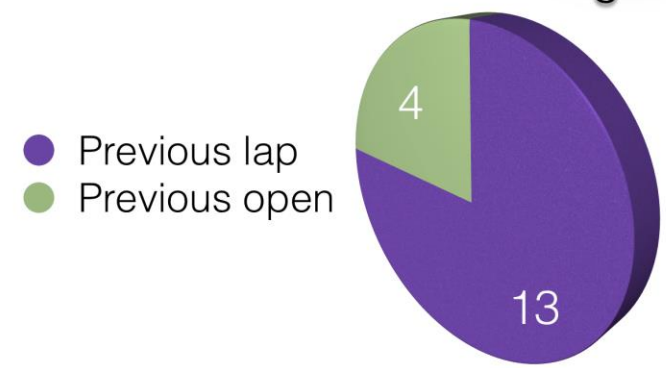
● Liver only
 ● Extrahepatic



■ first ■ second ■ third



● Up-front
 ● Neoadj CT

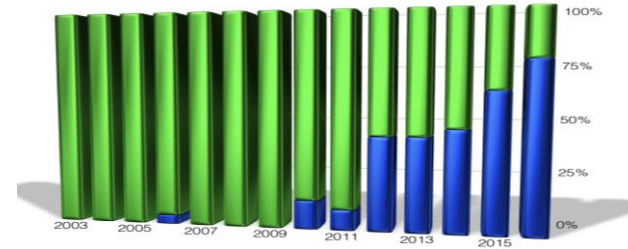


● Previous lap
 ● Previous open

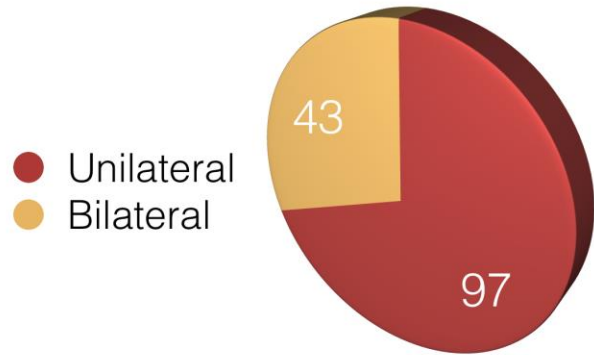
RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE



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

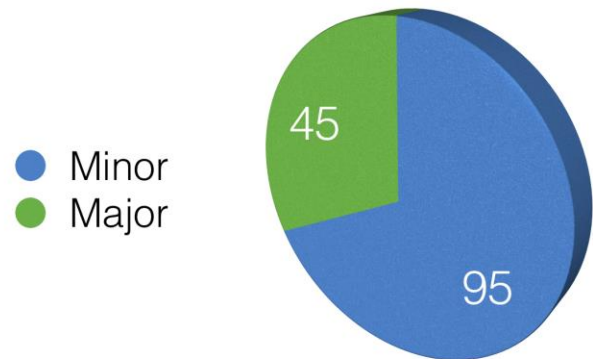
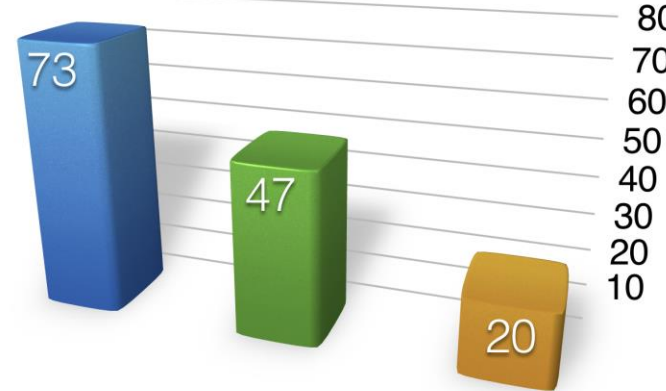


■ Lap ■ Open



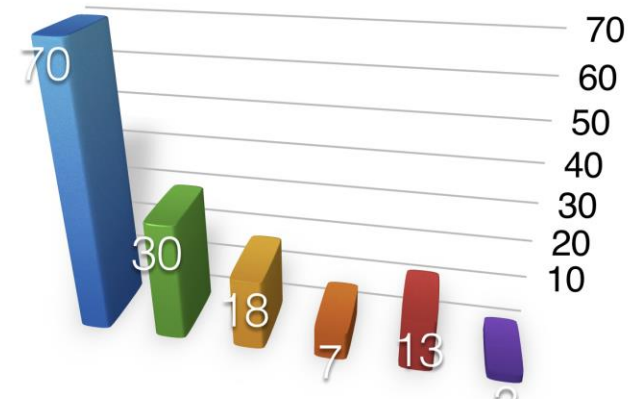
● Unilateral
 ● Bilateral

■ solitary
 ■ 2-4
 ■ >4



● Minor
 ● Major

■ wedge/segment
 ■ Bisegmentectomy
 ■ Right hep
 ■ Extended right
 ■ Left hep
 ■ Extended left



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



Results

Surgical data

Preoperative portal embolization	22 (16%)
Operative time	300 (105-600) min
Hilar clamping	117 (84%)
Clamping time	51 (5-191) min
Blood loss	348 (10-4468) ml
Additional RF	21(15%)
Simultaneous colorectal resection	4 (3%)
Additional surgical procedures	17 (12%)
Conversion	13 (9%)

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



Results

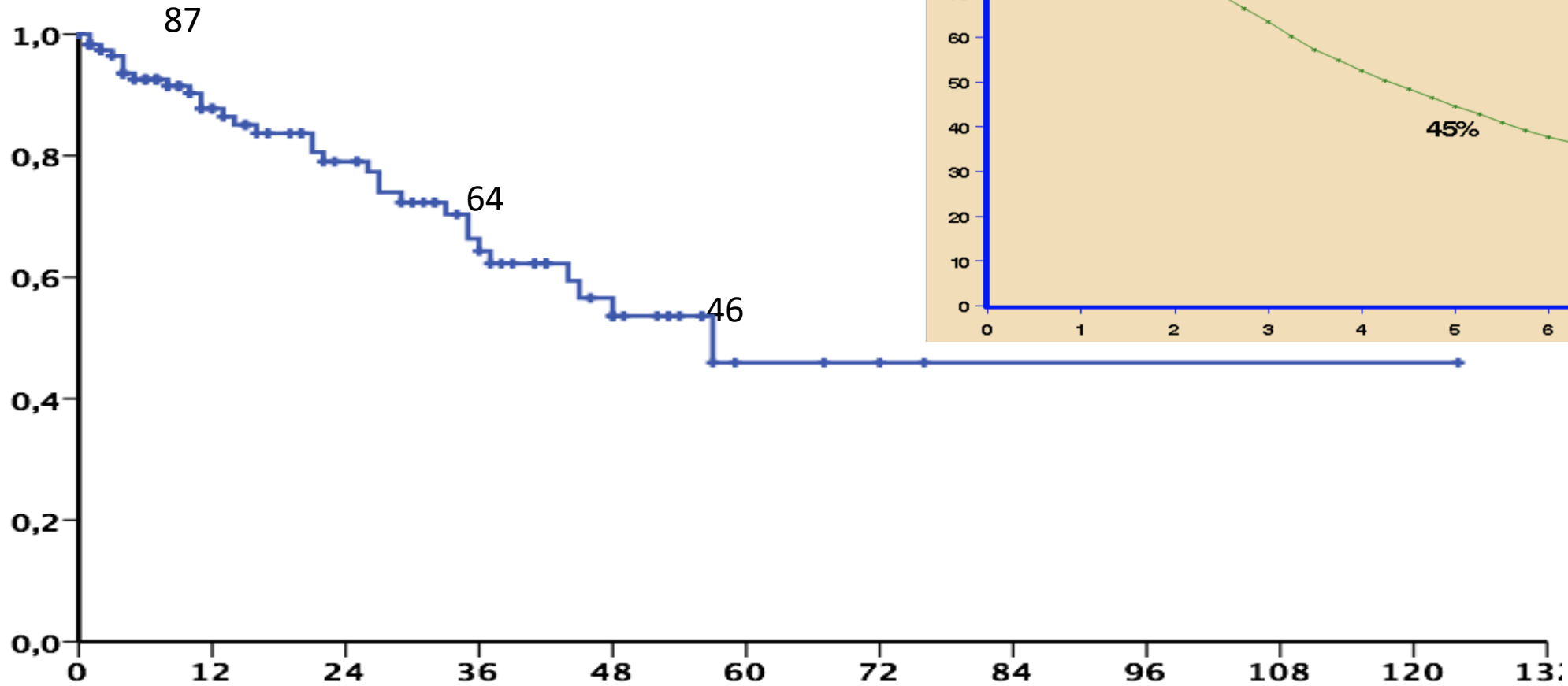
Postoperative data

Overall morbidity	39 (28%)
Dindo-Clavien I-II / \geq IIIa	122 (87%) / 18 (13%)
Biliary fistula	7 (5%)
Infected collection	11 (8%)
Superficial SSI	5 (4%)
Respiratory complications	6 (4%)
Hemoperitoneum	6 (4%)
Liver insufficiency	8 (6%)
Ascites	5 (4%)
Reoperation	4 (3%)
90-day mortality	3 (2%)
Hospital stay	4 (1-50) days
Readmission	10 (7%)
Adjuvant CT	123 (88%)

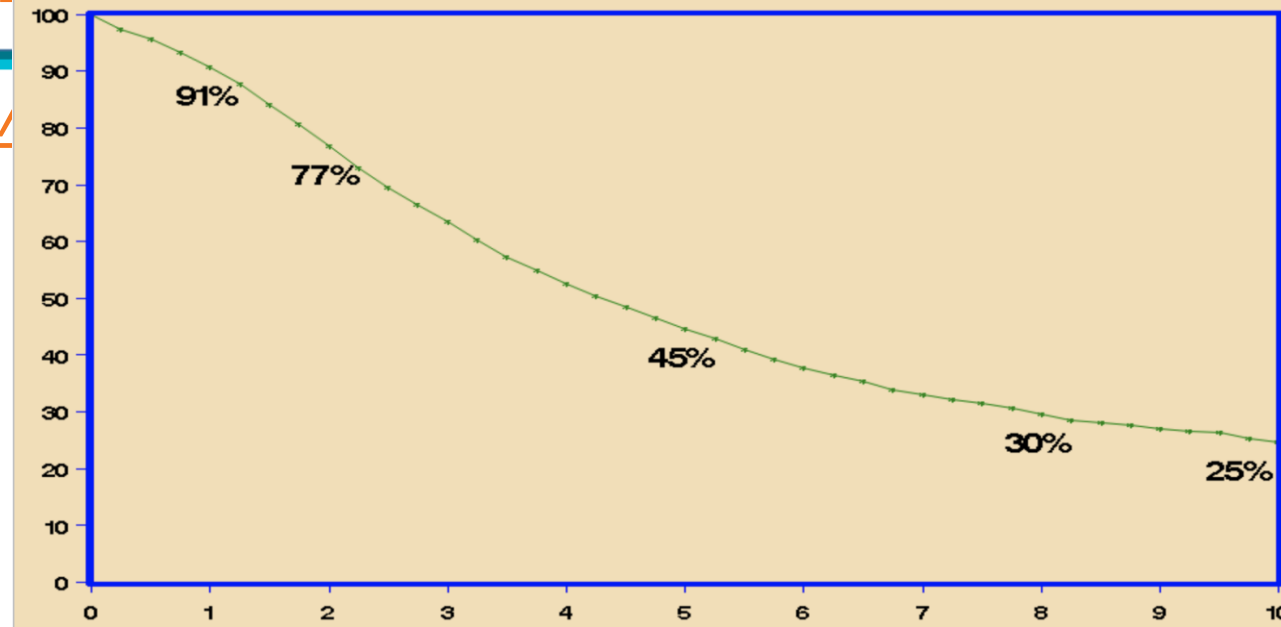
RESULTS OF LAPAROSCOPIC APPROACH FOR LIVER METASTASES IN A TERTIARY

Results

Overall survival



Patient Survival post hepatectomy1
All LiverMetSurvey population : 19665 patients (+ 196 missing data)

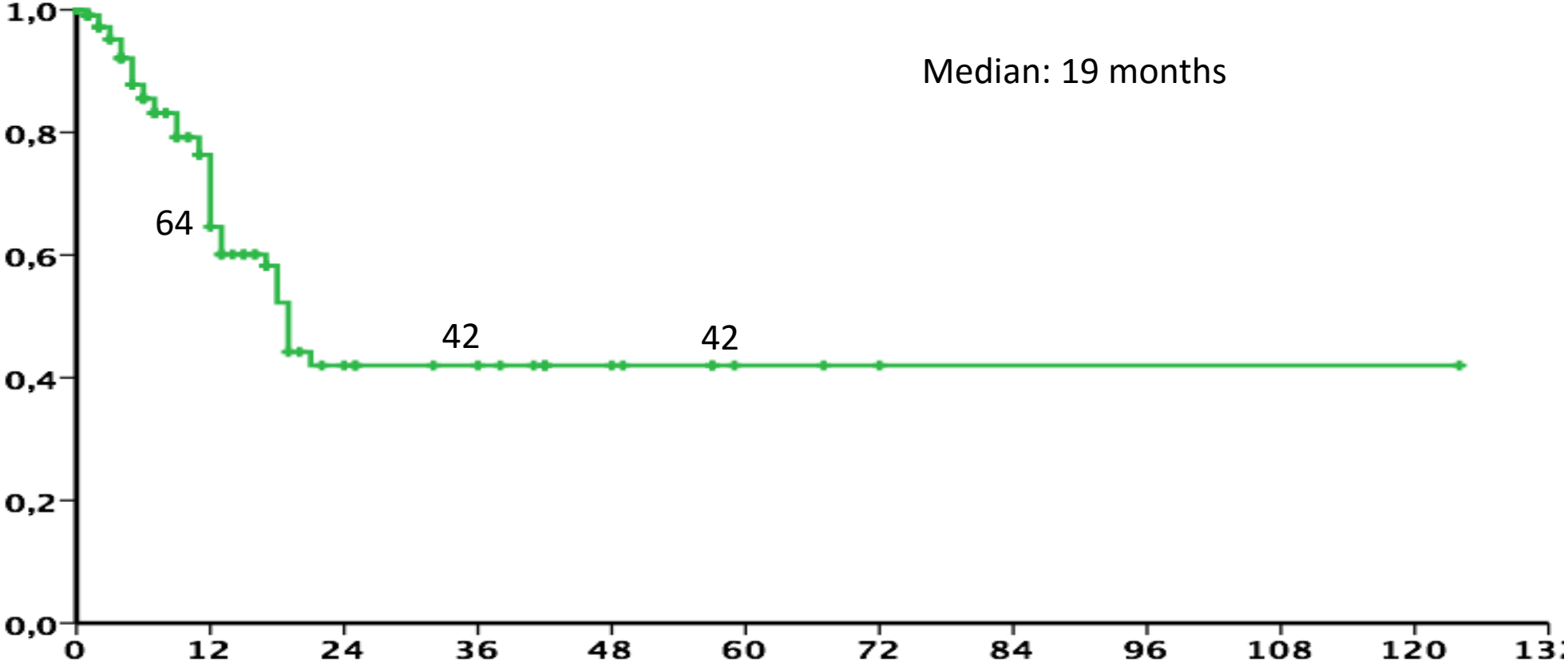


RESULTS OF LAPAROSCOPIC APPROACH TO COLORECTAL LIVER METASTASES IN A TERTIARY CENTRE



Results

Disease-free survival (118 patients)



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



Conclusion

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