

**ISLS 2023** ZURICH

5<sup>TH</sup> CONGRESS OF INTERNATIONAL  
ADVANCED HBP SURGERY

October 18 (Wed) - 21 (Sat), 2023  
Zurich, Switzerland



# Liver resection for synchronous metastasis from adenocarcinoma of the pâncreas

Orlando J M Torres  
Pancreas study group

# PANCREAS STUDY GROUP

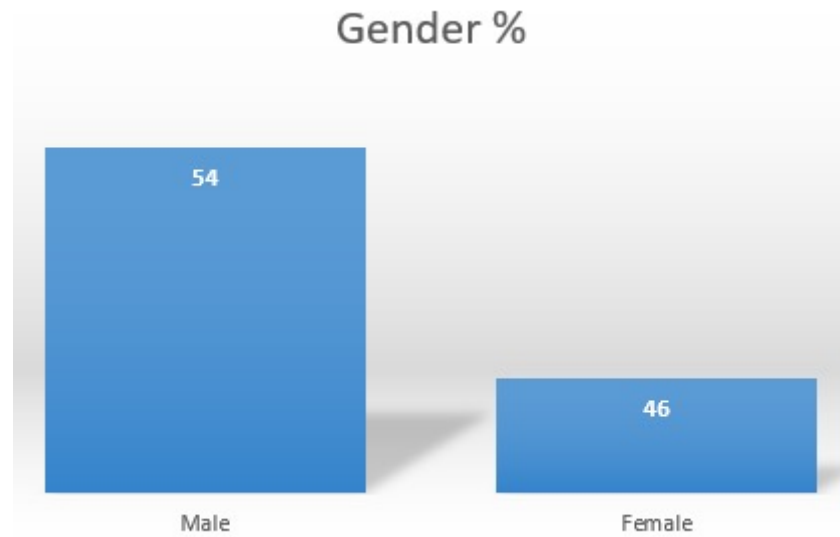
**Fabrizio Di Benedetto** (Modena University, Italy)  
**Orlando J. Torres** (Maranhão Federal University, Brazil)



- **33 participants, 50 cases from 11 centers:**

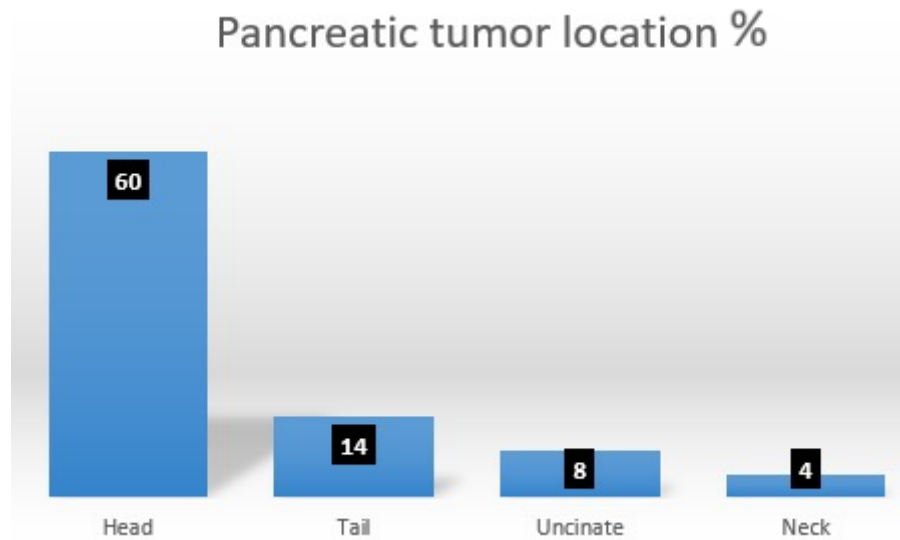
*Deniz Balci, Orlando J. Torres, Nikolaos Machairas, Erdins Kamer, Kvasivka Oleksandr, Alpen Yahya Gumusoglu,  
Nur Hilal Kiziloprak, Marco Vivarelli, Maria Conticchio, Andrea Belli, Reinhold Klug*

## Gender



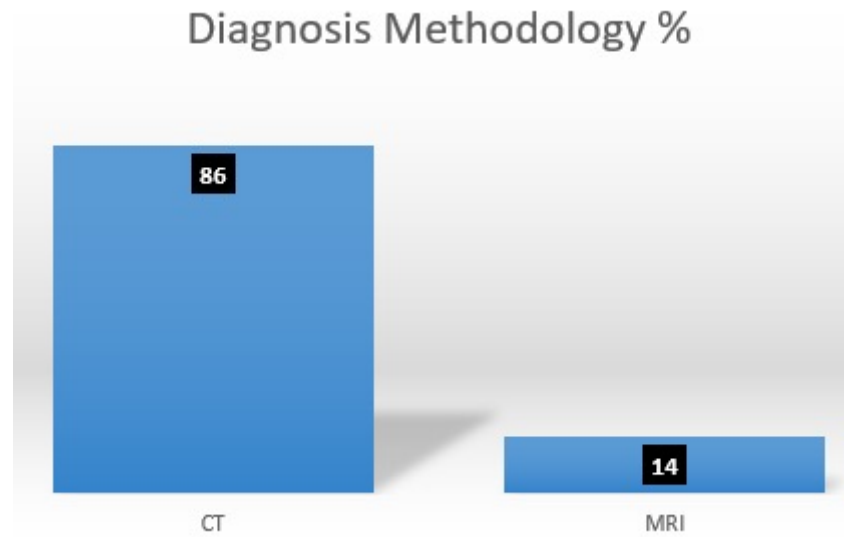
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## Pancreatic tumor location

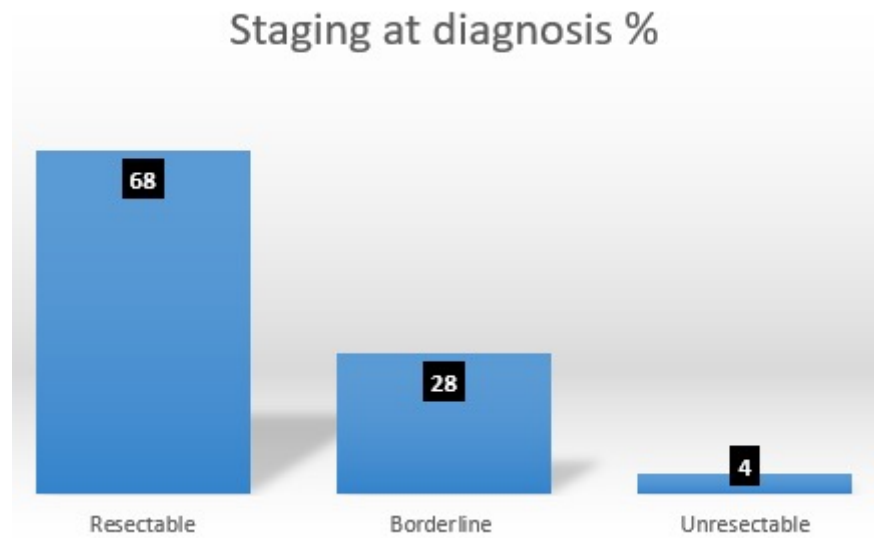


Preoperatively pancreatic tumor size (Mean $\pm$ SD)	29.35 $\pm$ 17.65
Preoperatively CA 19-9 (Mean $\pm$ SD)	826.9 $\pm$ 1951.69

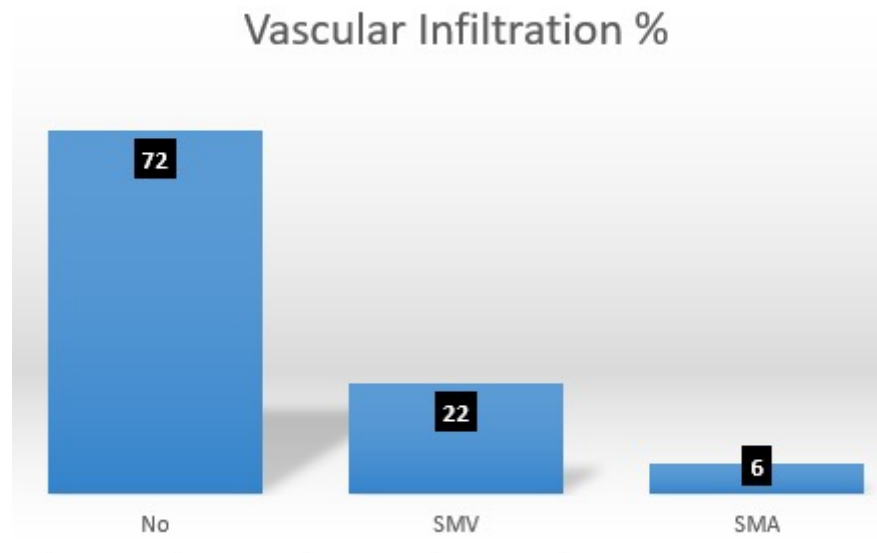
## Diagnosis methodology



## Staging at diagnosis

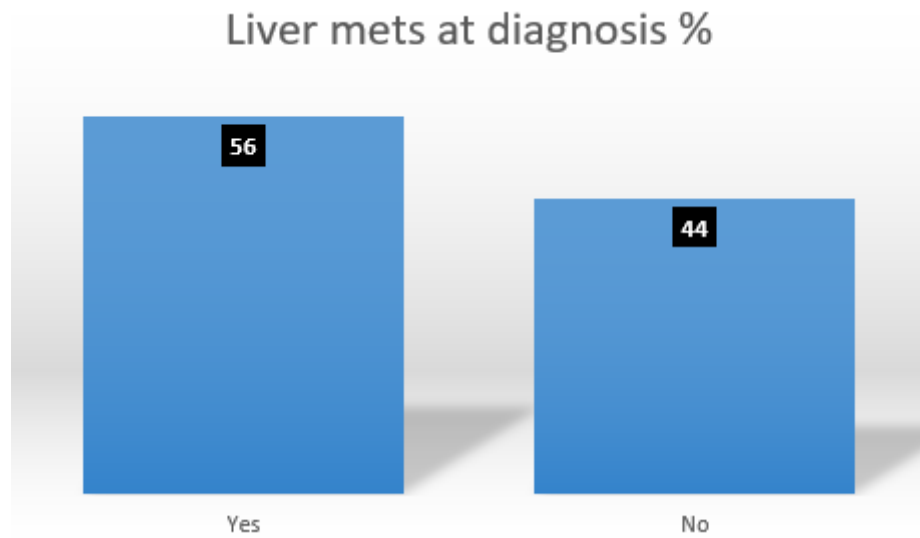


## Vascular infiltration



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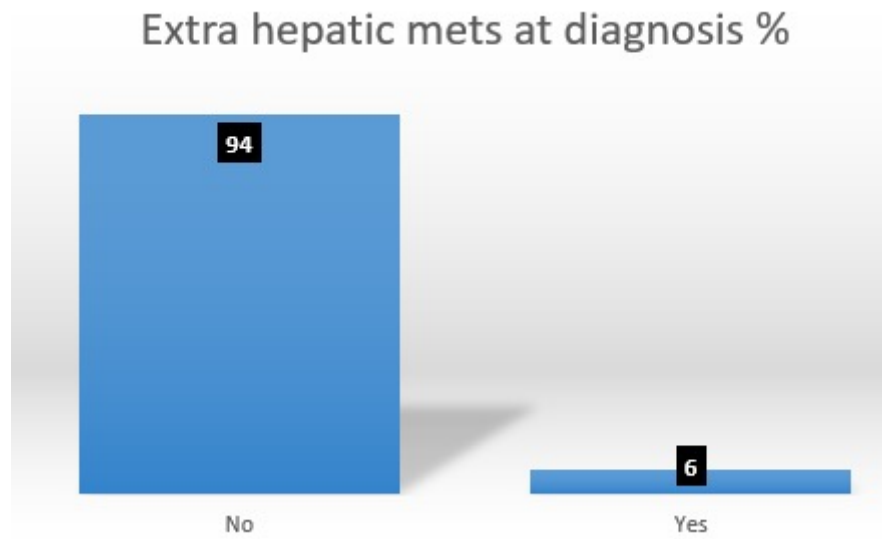
## Liver metastasis



Maximum Size of liver metastasis (Mean $\pm$ SD)	15.27 $\pm$ 9.57
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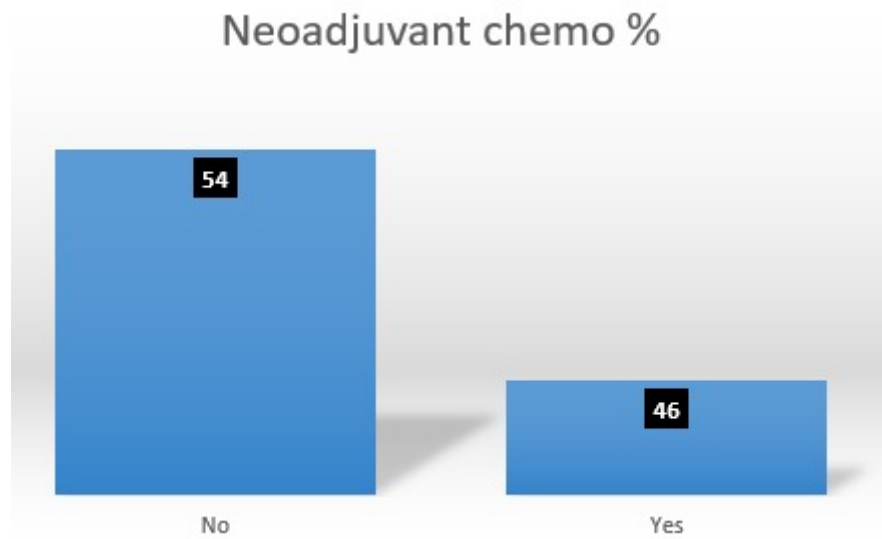


# Extrahepatic metastasis



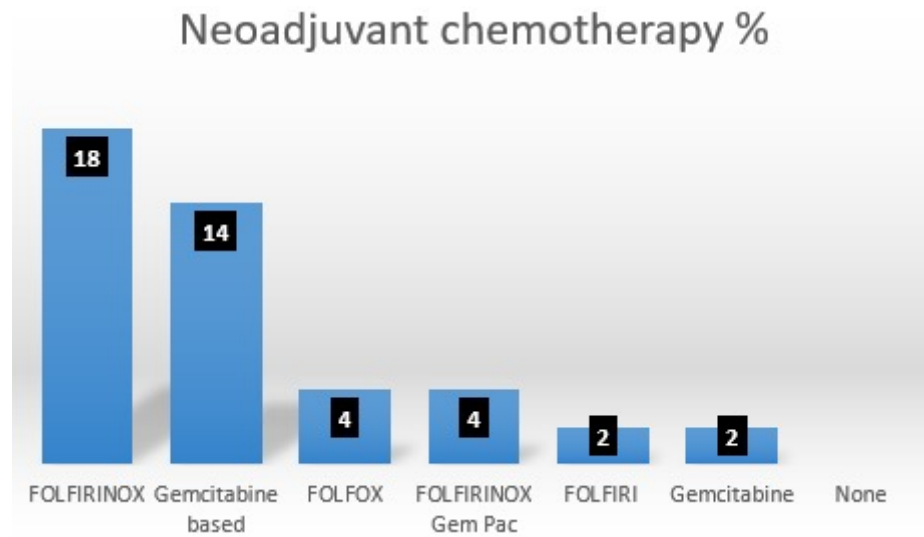
Number of positive nodes (Mean ± SD)	3.44 ± 4.39
Number of active metastasis (Mean ±SD)	1.16 ± 0.91

## Neoadjuvant chemotherapy

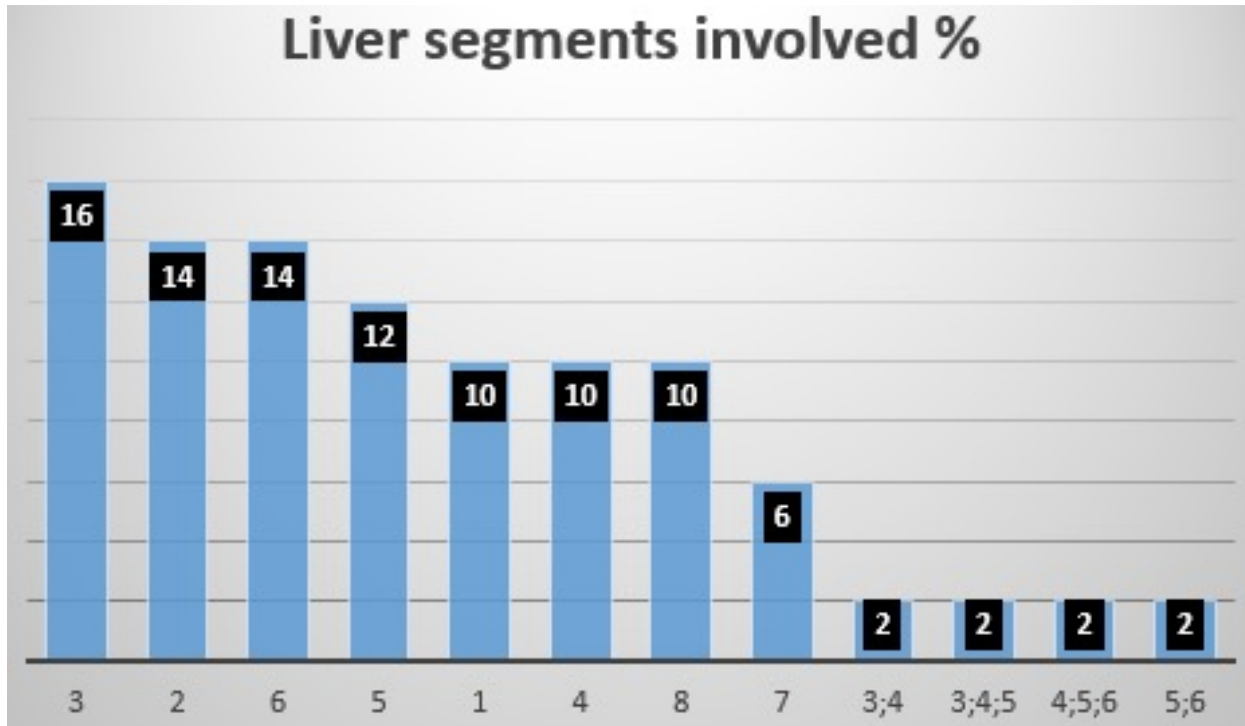


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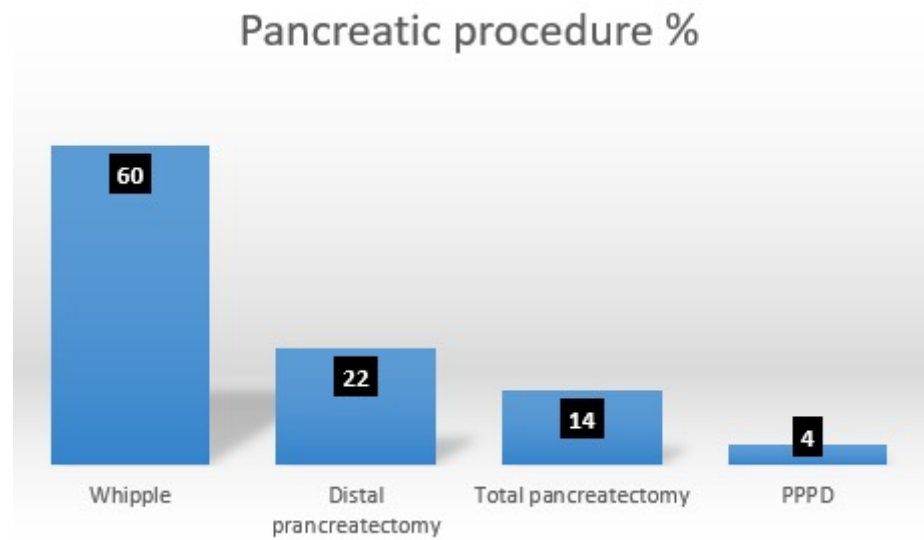
## Neoadjuvant chemotherapy



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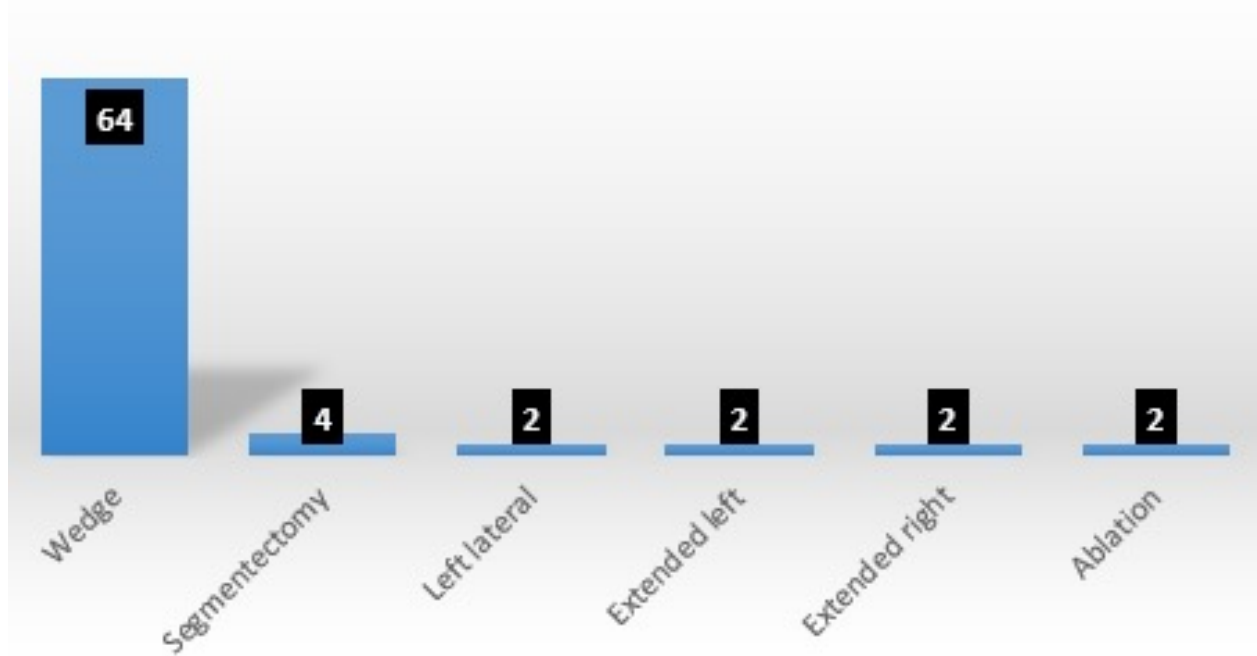


## Pancreatic procedure

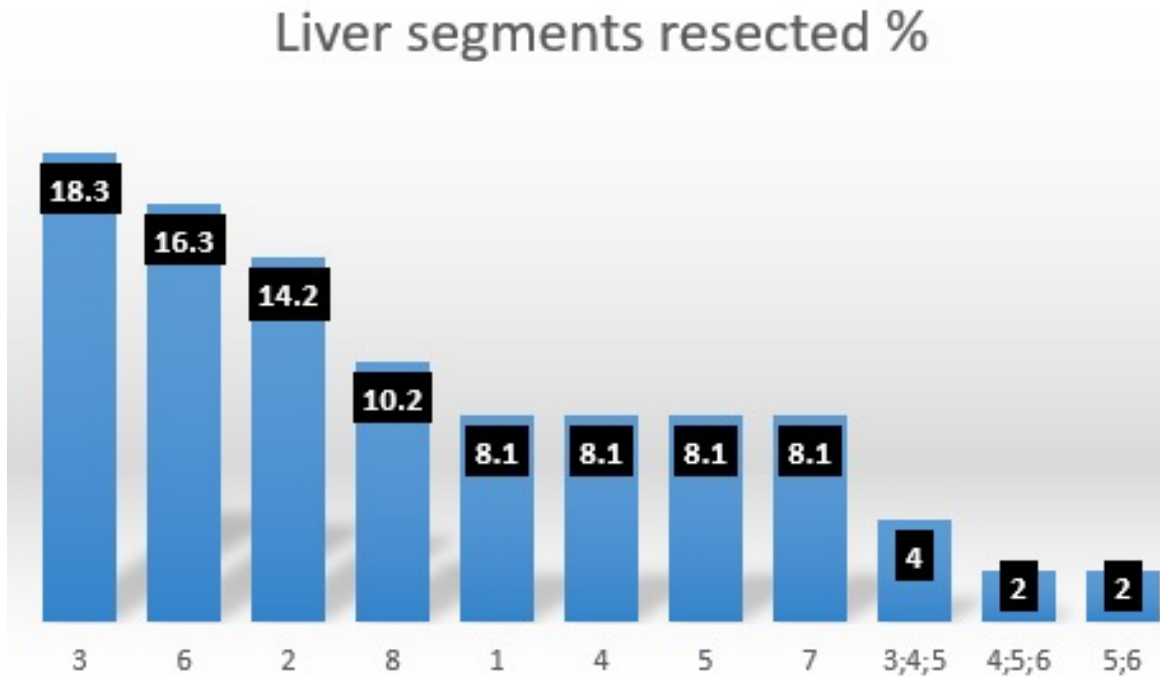


## Liver resection

Liver resection %

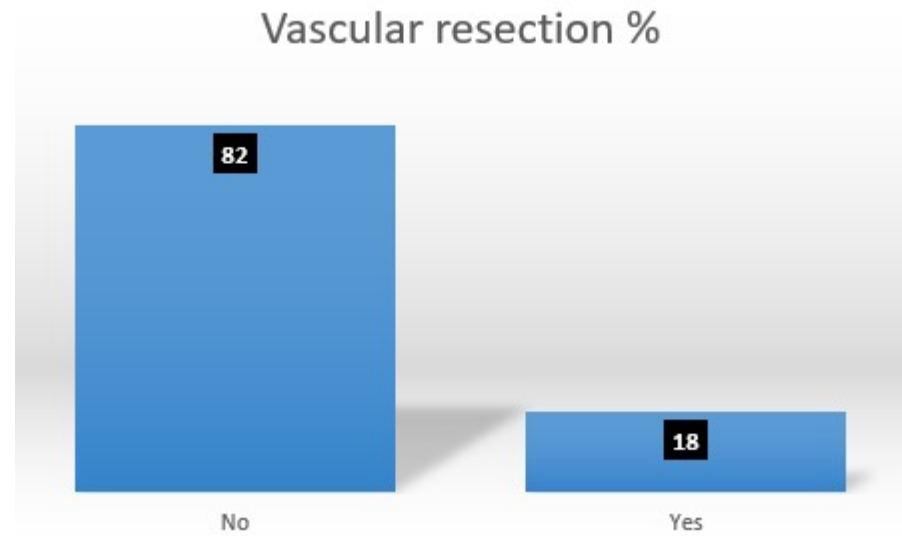


# Liver segments resected



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## Vascular resection

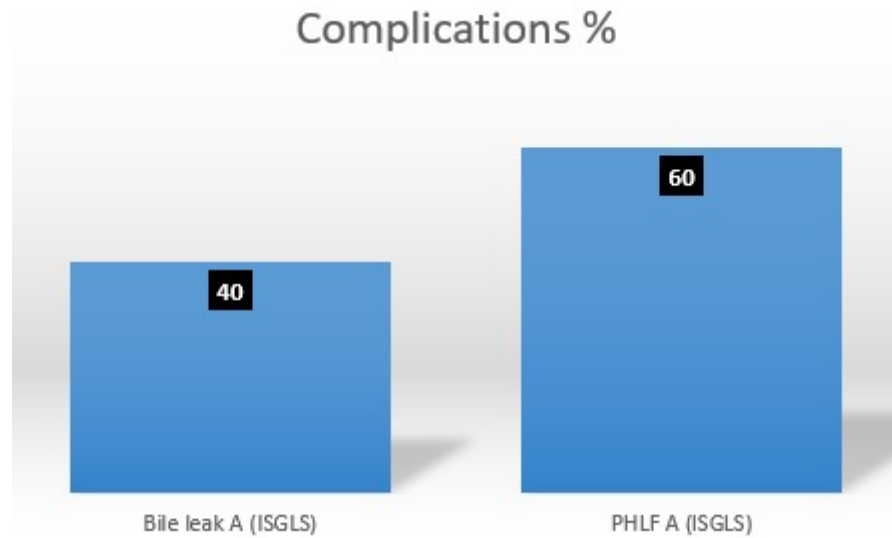


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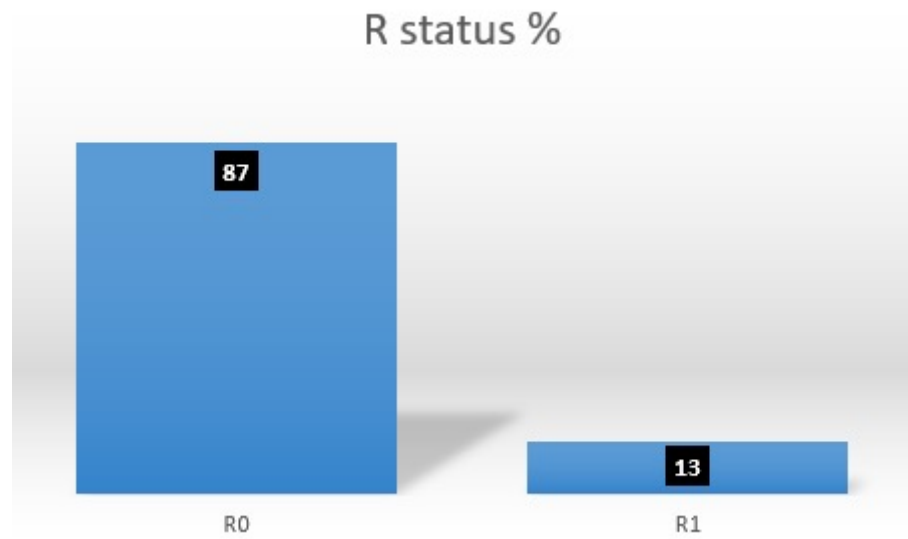


## Complications Grade A

**Bile leak – 8%**  
**PHLF A – 12%**



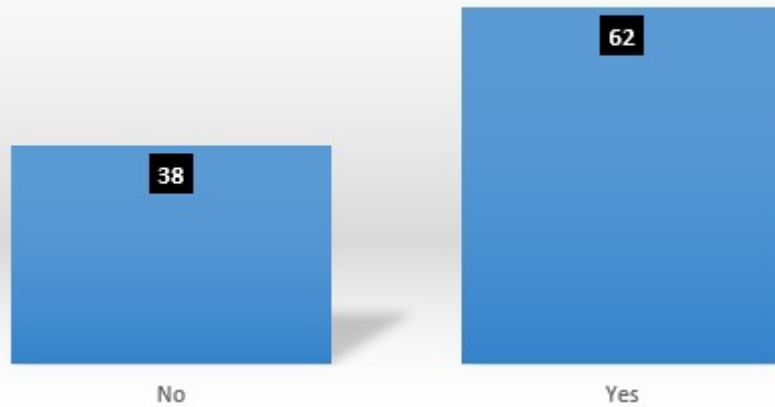
## R Status



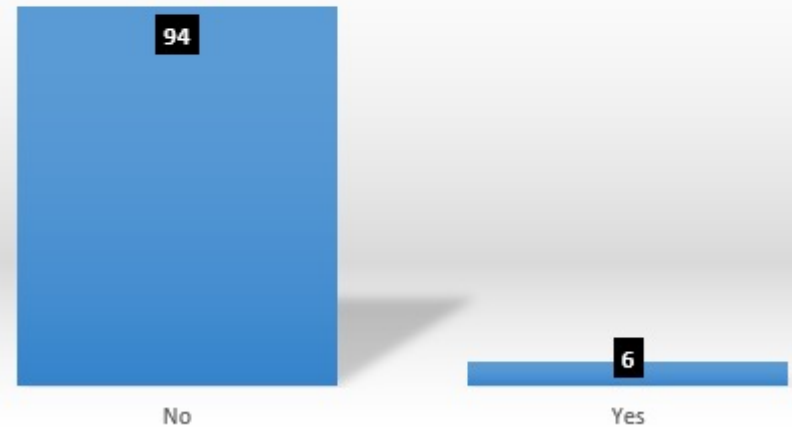
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## Adjuvant chemo and radiotherapy

Adjuvant Chemo %



Radiotherapy %

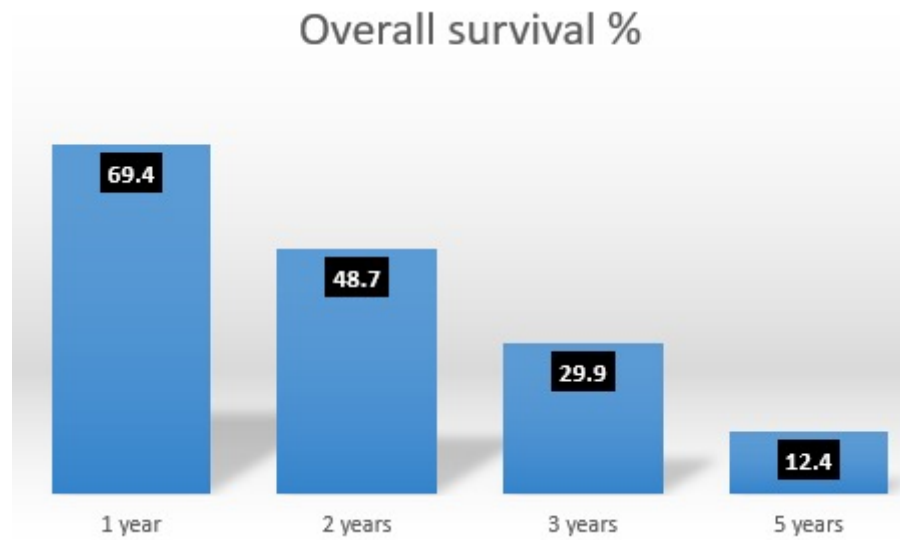


Number of metastasis after adjuvant therapy (Mean  $\pm$  SD)

0.72  $\pm$  1.71

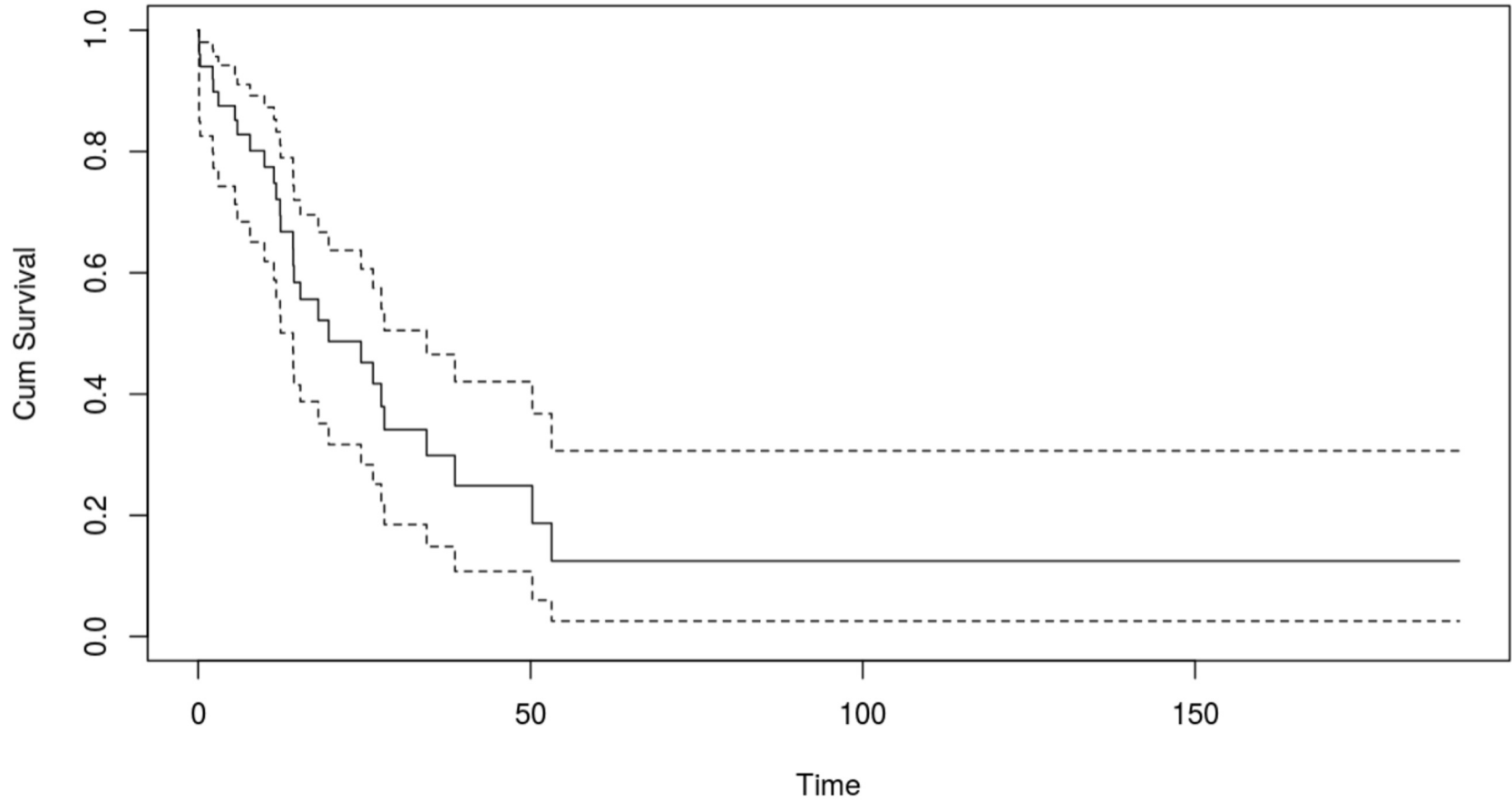
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## Overall survival



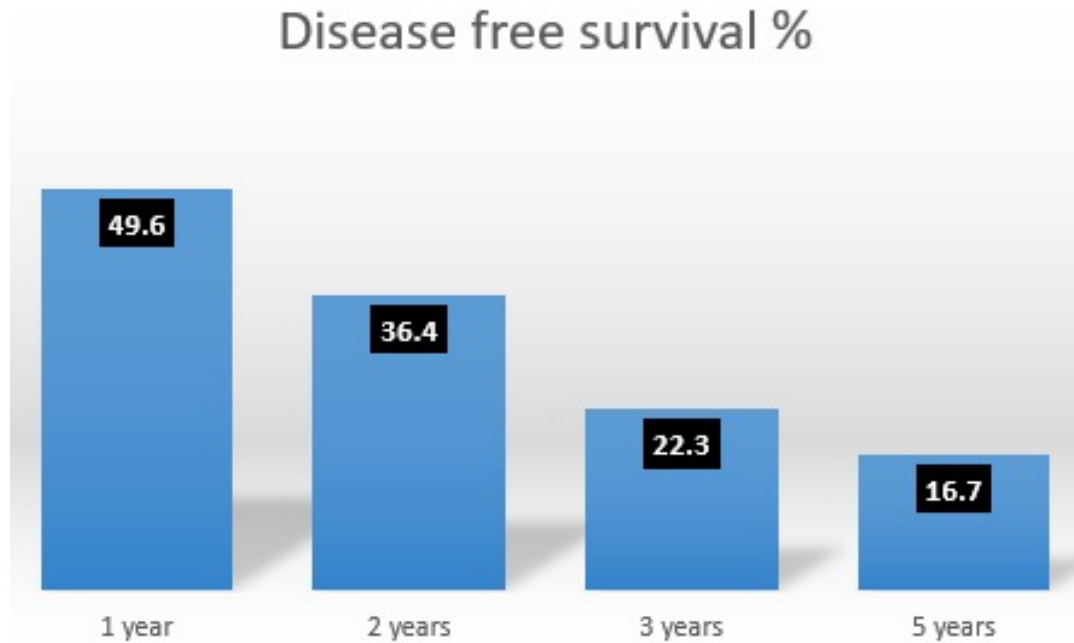
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## Overall survival



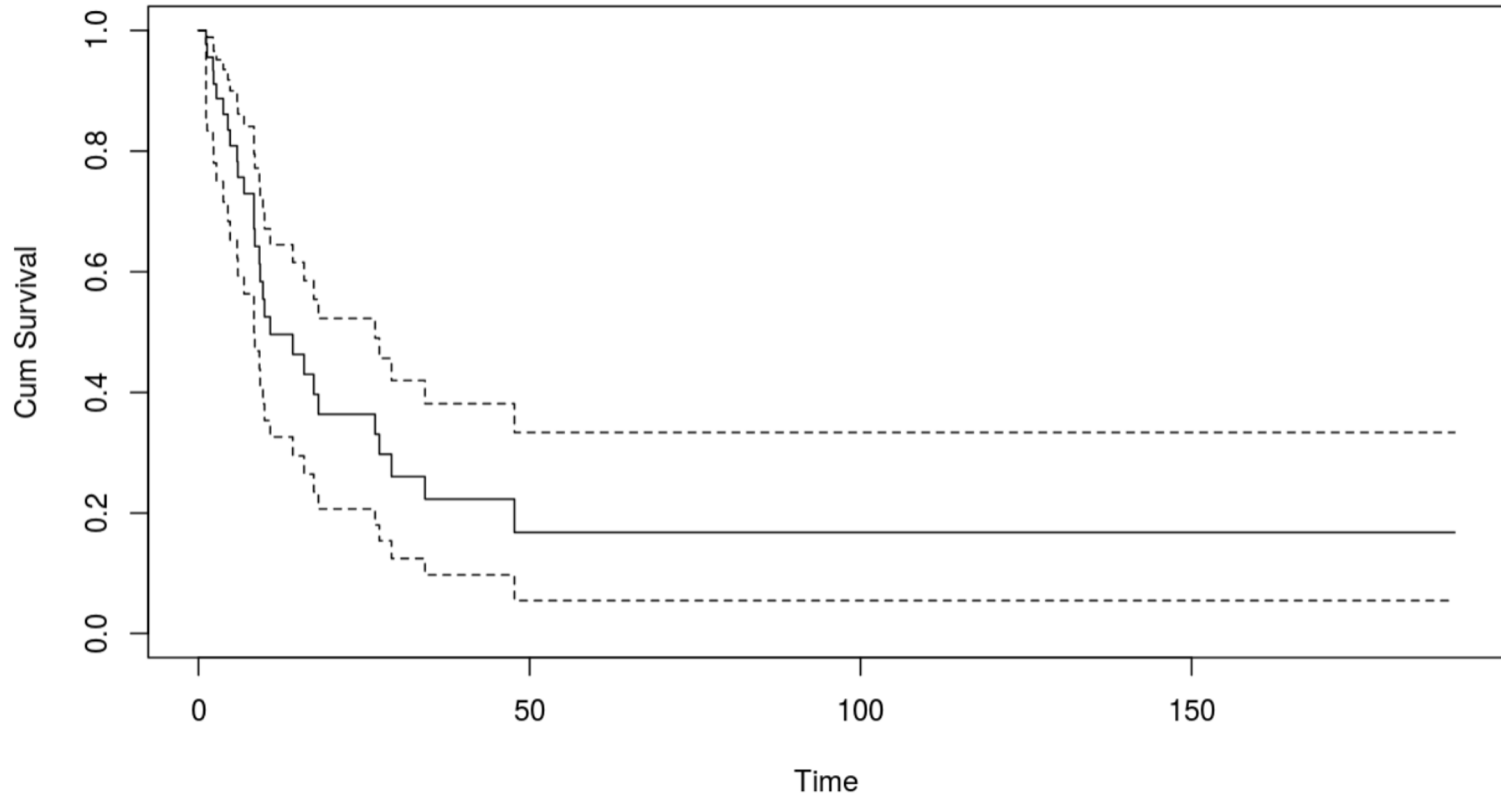
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## Disease-free survival



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## Disease-free survival



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**ISLS** INTERNATIONAL SOCIETY OF  
LIVER SURGEONS

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The illustration shows a hand with the index finger pointing towards the right. The palm and fingers are filled with a colorful, stylized cityscape of Zurich, featuring red-roofed buildings, a bridge over a blue river, and a sailboat. The background of the hand is a mix of red, orange, and yellow. Below the hand, there are five small white circles in a row.

Thanks!

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