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Congress

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**HBPSurG** Meeting

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Book of abstracts

Posters sessions

## **Thursday 16th November**

### Presentations time

P001 to P032 : 10:30am - 11am

P033 to P066 : 12am - 12:30am

P067 to P099 : 3:30pm to 4pm

## **Friday 17th November**

### Presentations time

P100 to P131 : 10:30am - 11am

P132 to P165 : 12am - 12:30am

P166 to P200 : 3:30pm to 4pm

## New Views on Treatment of Hepatic Echinococcal Cysts with Using of Argon Plasma Coagulation

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### Objectives:

The aim of study was to improve the results of treatment of patients with hepatic echinococcal cysts by using of argon plasma coagulation.

### Methods:

The analysis of treatment results of 66 patients during 2010–2016 years was put into the basis of this study. It was 12 (18.2%) men and 54 (81.8%) women in total. An average age of them was  $47.7 \pm 15.9$  years.

The main difference between groups was a way of liver parenchyma coagulation in order to make reliable hemostasis. In main group the final stage of surgical intervention on liver was APC. It was performed to 45 (68.2%) patients. Alternatively, monopolar coagulation was performed to 21 (31.8%) patients (comparison group).

### Results:

In main group in the 86.6% cases pericystectomy was conducted. The resecting surgeries was performed to 13.4% cases. In comparison group was conducted in 28.6% cases.

In early postoperative period in main group the complications were observed in 4.4% of cases. The same parameter was 4.8% in comparison group. It led to relaparomies.

The forming of external biliary fistulas was observed in 2 (4.4%) patients in main group and in 3 (14.3%) patients in comparison group. However, all the fistulas have closed spontaneously on 7<sup>th</sup>–10<sup>th</sup> day in both groups.

Hernias of abdominal wall and peritoneal adhesions that manifested by intestinal obstruction of different degree were considered as complications of late postoperative period. These values were 0% and 4.4% in main group versus 19% and 14.3% in comparison group, respectively.

### Conclusions:

The resection of hepatic echinococcal cysts with further application of argon plasma coagulation on the cyst bed was accompanied by complications quantity decrease in patients that underwent surgery in early as well as in late postoperative period. In this case more positive dynamics of functional liver values improvements was observed.