

**Cite this as:** Chong LAI, Ren-an JIN, Xiao LIANG, Xiu-jun CAI, 2016. Comparison of laparoscopic hepatectomy, percutaneous radiofrequency ablation and open hepatectomy in the treatment of small hepatocellular carcinoma. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*. 17(3):236-246.  
<http://dx.doi.org/10.1631/jzus.B1500322>

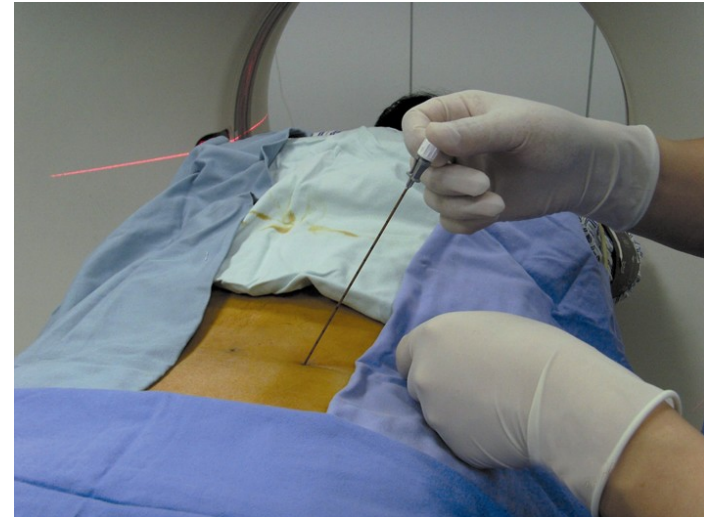
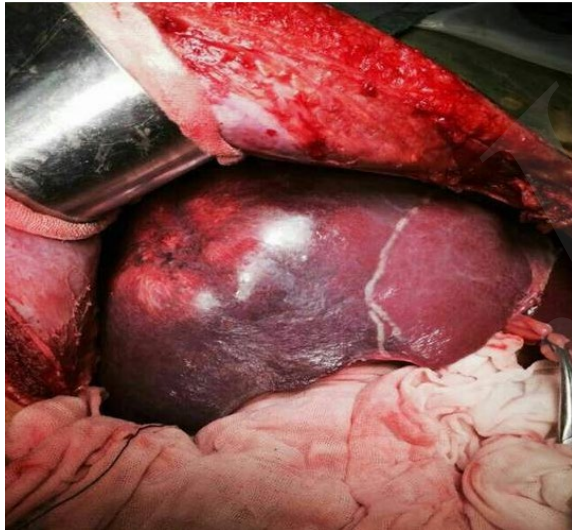
# **Comparison of laparoscopic hepatectomy, percutaneous radiofrequency ablation and open hepatectomy in the treatment of small hepatocellular carcinoma**

**Key words:** Hepatocellular carcinoma, Laparoscopic hepatectomy, Percutaneous radiofrequency ablation, Minimally invasive techniques, Open hepatectomy

# *Research Summary*

This article mainly focused on the comparison between three mainstream techniques to treat small hepatocellular carcinoma (SHCC):

- **Open hepatectomy**
- **Total laparoscopic hepatectomy**
- **Percutaneous radiofrequency ablation**



# ***Innovation points***

- **Comparison** of the three mainstream techniques to treat SHCC
- **Emphasis** of the efficacy of laparoscopic hepatectomy and its advantages over traditional open surgery and radiofrequency ablation
- **Stratify** of SHCC patients by age to conduct more personalized and accurate treatment plans

# ***Innovation points***

**A series of comprehensive tables and figures were generated to summarize about statistical results**

**Figure 1 | Study design**

**Table 2 | Postoperative endpoints**

**Figure 2 | Disease-free survival**

**Figure 3 | 3-year overall survival**

**Figure 5 | Disease-free survival in patients within different age ranges**