EP-45

Laparoscopic and robotic radical surgery for liver alveolar echinococcosis

Natalia ELIZAROVA*, Mikhail EFANOV, Ruslan ALIKHANOV, Ivan KAZAKOV,
Andrey VANKOVICH, Olga MELEKHINA, Yulia KULEZNEVA, Victor TSVIRKUN

Department of Hepatopancreatobiliary Surgery, Loginov Moscow Clinical Scientific Center, Russia

Introduction: The aim of this study was to estimate the immediate and long-term results of laparoscopic and robotic radical surgery for liver alveolar echinococcosis (AE).

Methods: From 2013 to 2019 6 patients with AE were undergone radically surgery using minimally invasive technologies. In 5 cases, a laparoscopic liver resection was performed, and in one case a Da Vinci robotic complex was used. The average lesion size was 60 ± 20 mm.

Results: In three cases (50%) patients with P2 stage of the disease were operated on, in 3 cases with P1. In two cases, in patients with stage P2, a right hemihepatectomy was performed, in 2 cases a segmentectomy 8 with atypical resection segment 4 was performed, in one case a posterior sectionectomy was performed, in one case the intervention was performed with atypical resection of 6 segments. The average age of the patients was 55 years (27–79), three women and three men (1:1). The average size of the lesion was 60 ± 20 cm. The mean operation time and blood loss was 344 ± 141 minutes and 350 ± 333 mL. Complications were observed in one case (16.7%), type II according to Clavien–Dindo, represented by dynamic intestinal obstruction, which developed on the 6th day of the postoperative period and was resolved conservatively. Mean hospital stay was 9 ± 3 .

Conclusions: Laparoscopic and robotic liver resections in the radical treatment of alveococcosis can be safe and feasible in the early stages of alveococcosis (P1-2H0M0), provided they are performed in a specialized hospital with sufficient technical equipment and an experienced surgeon.

Corresponding Author: Natalia ELIZAROVA (n.elizarova@mknc.ru)

Presenter: Natalia ELIZAROVA (n.elizarova@mknc.ru)

Copyright © The Korean Association of Hepato-Biliary-Pancreatic Surgery

This is an Open Access article distributed under the terms of the Creative Commons Attribution Non-Commercial License (<http://creativecommons.org/licenses/by-nc/4.0>) which permits unrestricted non-commercial use, distribution, and reproduction in any medium, provided the original work is properly cited.