

The Survival Benefit of Repetitive Ultrasound-Guided Liver Resections in the Absence of Chemotherapy for Multiple Colorectal Recurrent Liver Metastases

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Abstract

We present the case of a 54-year-old female patient, diagnosed with stage IV rectal cancer, with multiple (12) synchronous liver metastases, the largest of 10 cm in diameter, bilobar distributed. The operative management consisted in simultaneous ultra-low robotic anterior resection with coloanal anastomosis (protected by ileostomy) and multiple ultrasound-guided non-anatomical liver resections (in open approach). The patient was unable to follow neoadjuvant and adjuvant chemotherapy due to the systemic side effects. The intrahepatic disease presented 2 episodes of recurrence, sanctioned by ultrasound-guided non-anatomical parenchyma sparing liver resections. In total 32 liver metastases were addressed (31 resected and 1 radiofrequency ablated). The patient presented 1 episode of lung recurrence, sanctioned by right superior lobectomy and lymphadenectomy for a singular metastasis. The patient died with disease progression both intra- and extrahepatically after 34 months post first surgical intervention.

Key words: colorectal cancer, liver metastases, liver resection, overall survival