

A Review on the Concepts for Initially Unresectable Liver Tumors - Bridge to Surgery

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Abstract

Surgical treatments of advanced tumors have expanded in the last two decades as a result of advances in surgical techniques, advanced interventional radiology methods, improved intensive care unit settings and increased overall life expectancy. Advanced liver tumors represent a broad category from various malignancies such as liver metastasis or native liver tumors. Not uncommonly these tumors are not amenable to curative treatment and require down-staging, or local control at the initial diagnosis. Herein we discuss the portal vein embolization (PVE), transarterial radioembolization (TARE) with Yttrium-90 (Y-90), and surgical options namely, two-staged hepatectomy (TSH), and associating liver partition and portal vein ligation for staged hepatectomy (ALPPS) as bridging strategies for definitive surgical treatment.

Key words: liver cancer, liver surgery, transarterial radioembolisation, portal vein embolisation, liver partition