

Special Issue

Image-Guided Transarterial and Percutaneous Interventional Oncology Therapies

Message from the Guest Editors

For years, surgical resection and systemic therapy \pm radiation therapy were the mainstay of treatments for primary and metastatic tumors. However, development and advancement of the imaging modalities and improvement of availability of the advanced imaging techniques have resulted in increased precision and popularity of image guided locoregional therapies which are divided into transarterial or percutaneous therapies.

Transarterial embolization was initially the most widely used locoregional therapeutic approach. However, transarterial is not the only image guided locoregional therapies and has its own limitation.

Image guided percutaneous locoregional therapies have evolved as chemical, thermal, nonthermal, or percutaneous energy delivery techniques. PEI, RFA, MWA, CA, LITT, IRE, HIFU, or histotripsy are only a few of image guided percutaneous locoregional therapies have been increasingly utilized for treatment of primary and metastatic tumors.

This special issue of Life Journal will present the current status of imaging-guided transarterial and percutaneous locoregional treatments for different organs tumors.

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