

- Cholangiocarcinoma) single-arm Phase 2 trial
- Capecitabine has been shown effective as a secondary liver tumors.
- combined regimen using Gem/Cis/Cap/TARE



- 160Gy)

# Symposium on Clinical Interventional Oncology Overall Survival by Objective Response **Overall Surviva** p=0.011 Overall Survival after censoring patients at surgery: mOS 15mo (95%CI:12.2-not reached); 1-year OS: 86.3% (95%CI: 50.5-96.3%); 2-year OS: 48.7% (95%CI: 15.6-75.7%). Objective Response confers improved survival rates: log-rank test p=0.011

- 2-year OS: 39.4% (95%CI: 9.4-69.2%)





## Conclusion

- patients to curative surgery.

**References:** 

- escalating doses of yttrium-90 radioembolization
- 1;34(4):702-9.
- Interventional Radiology. 2023 Aug 1.

• TARE combined with Gem/Cis/Cap quadruple therapy was effective as a first-line therapy for locally advanced iCCA with an promising overall survival outcome.

This combined first-line treatment regimen can downstage

Multidisciplinary approach with the implementation of TARE may offer benefit for downstaging tumors to resection and optimizing long-term survival.

• Valle J, Wasan H, Palmer DH, Cunningham D, Anthoney A, Maraveyas A, Madhusudan S, Iveson T, Hughes S, Pereira SP, Roughton M. Cisplatin plus gemcitabine versus gemcitabine for biliary tract cancer. New England Journal of Medicine. 2010 Apr 8;362(14):1273-81.

• Edeline J, Touchefeu Y, Guiu B, Farge O, Tougeron D, Baumgaertner I, Ayav A, Campillo-Gimenez B, Beuzit L, Pracht M, Lièvre A. Radioembolization plus chemotherapy for first-line treatment of locally advanced intrahepatic cholangiocarcinoma: a phase 2 clinical trial. JAMA oncology. 2020 Jan 1;6(1):51-9.

· Chemoradiation of hepatic malignancies: prospective, phase 1 study of full-dose capecitabine with

• Ahmed O, Yu Q, Patel M, Hwang G, Pillai A, Liao CY, Fung J, Baker T. Yttrium-90 Radioembolization and Concomitant Systemic Gemcitabine, Cisplatin, and Capecitabine as the First-Line Therapy for Locally Advanced Intrahepatic Cholangiocarcinoma. Journal of Vascular and Interventional Radiology. 2023 Apr

• Yu Q, Patel M, Kwak D, Ungchusri E, Wang Y, Van Ha T, Zangan S, Marshall E, Little K, Baker T, Liao CY. Segmental Yttrium-90 Radioembolization using Glass Microspheres Greater than 400 Gray for the Treatment of Intrahepatic Cholangiocarcinoma: A Preliminary Experience. Journal of Vascular and