



8TH - 10TH NOVEMBER, 2024 | GRAND HYATT MUMBAI

Registration number: 546

WHERE THERE IS A WILL, THERE IS A WAY: NOVEL APPROACH FOR TRANS-ARTERIAL CHEMO-EMBOLISATION

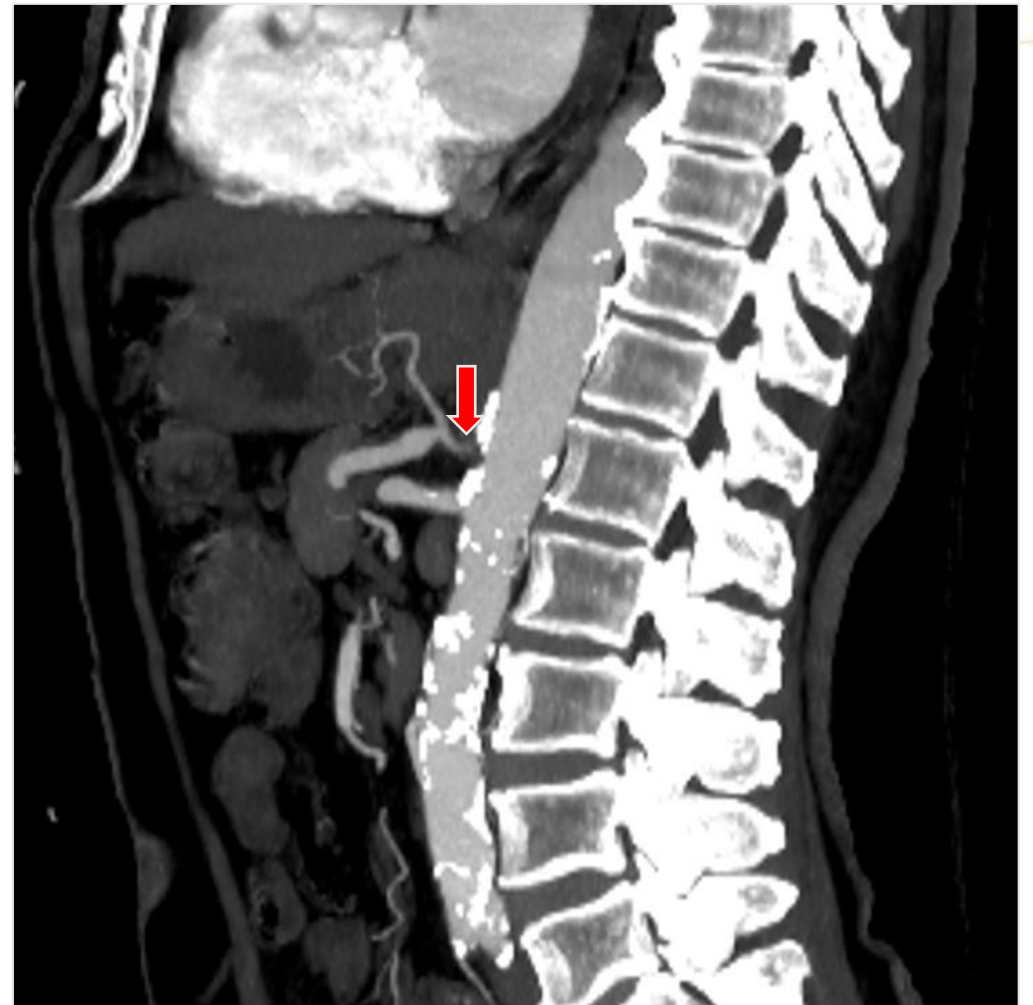
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TATA MEMORIAL HOSPITAL, MUMBAI

Clinical Details:-

- A 55 years old gentleman
- Presented with pain in abdomen
- CECT Triphasic - LIRADS 5 lesion in seg V VI VII measuring 79 x 62 mm of liver
- Serum AFP - 4726
- Serum CA-19.9 - 24.71
- CTP A5



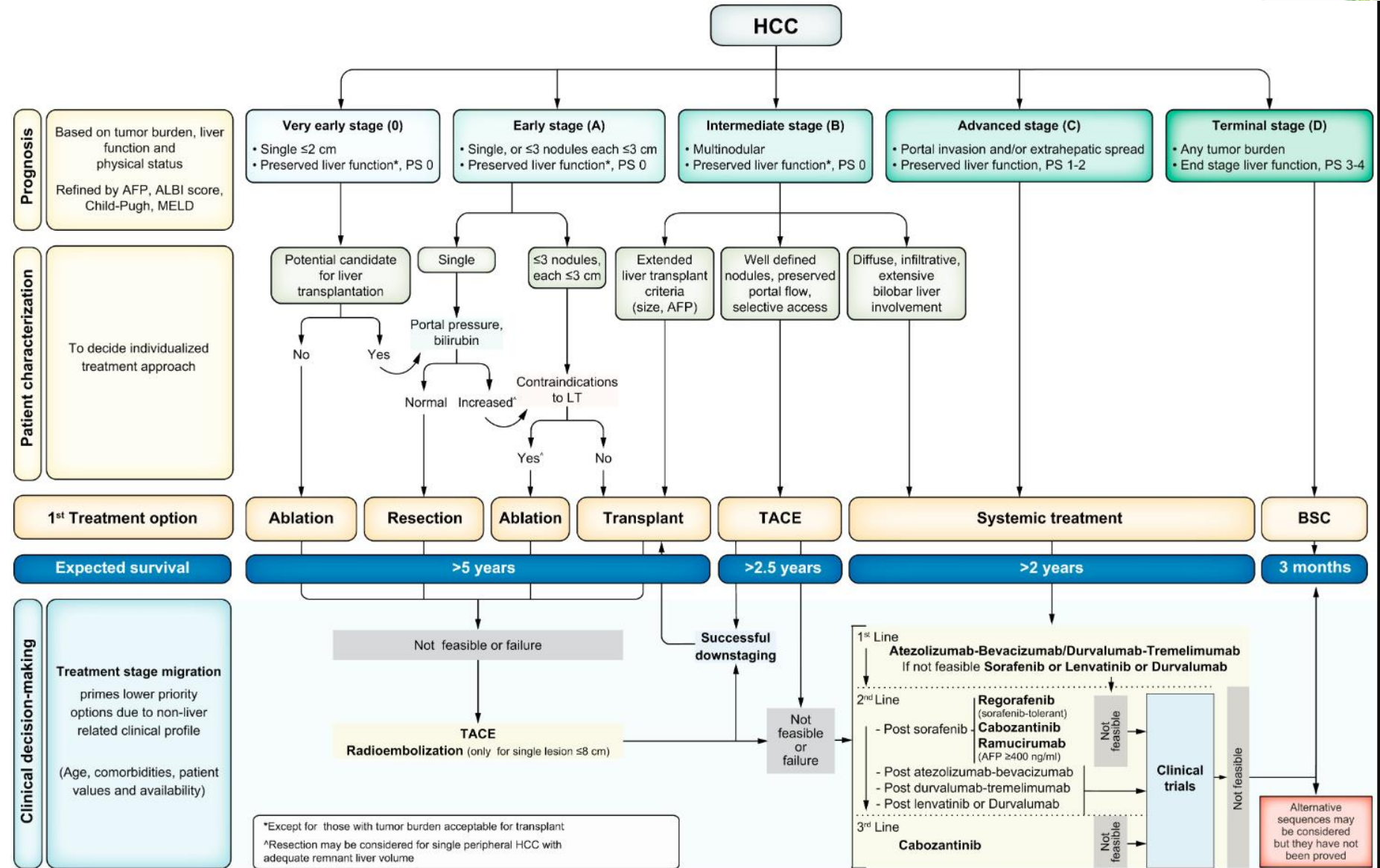
APHE lesion

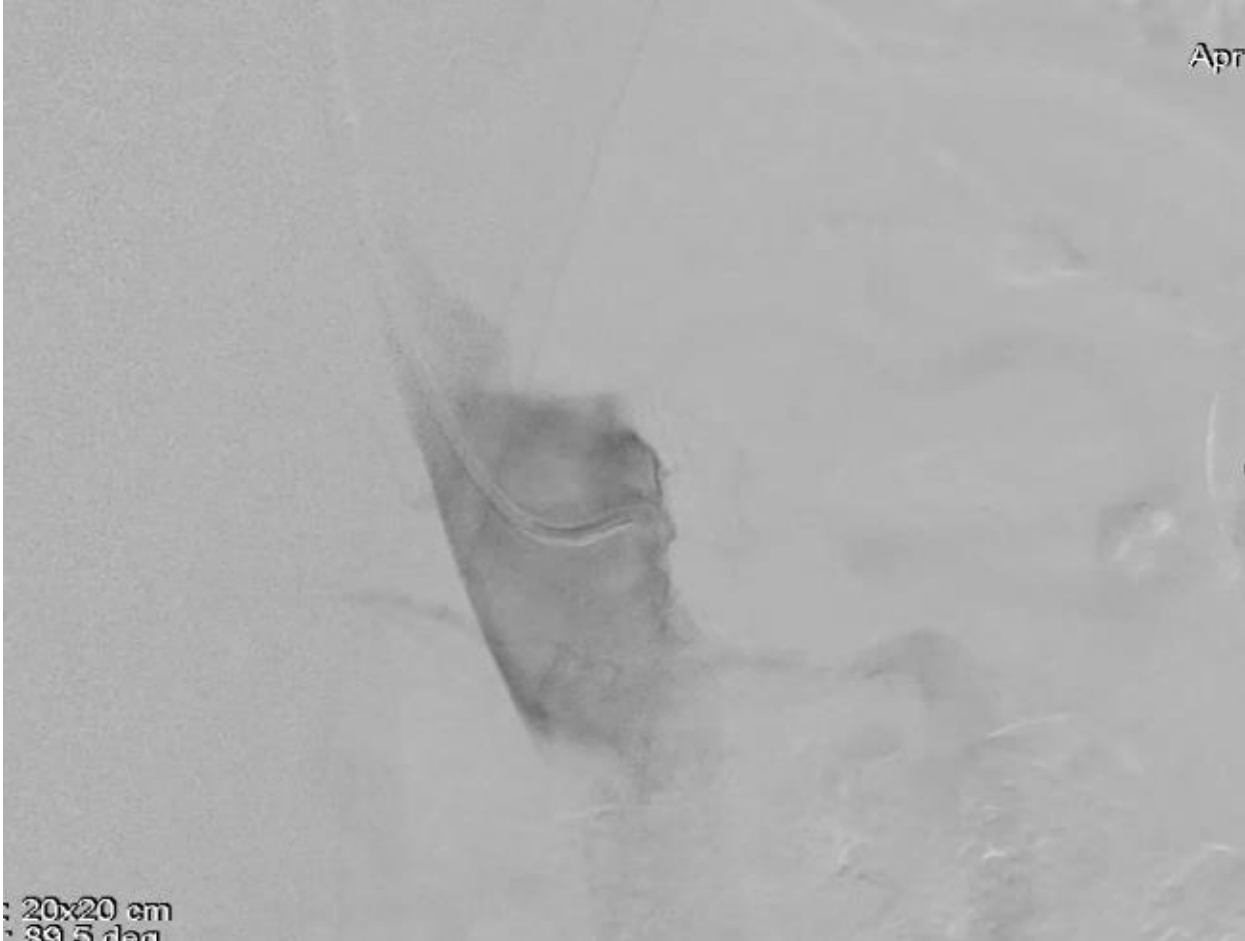


Coeliac stenosis

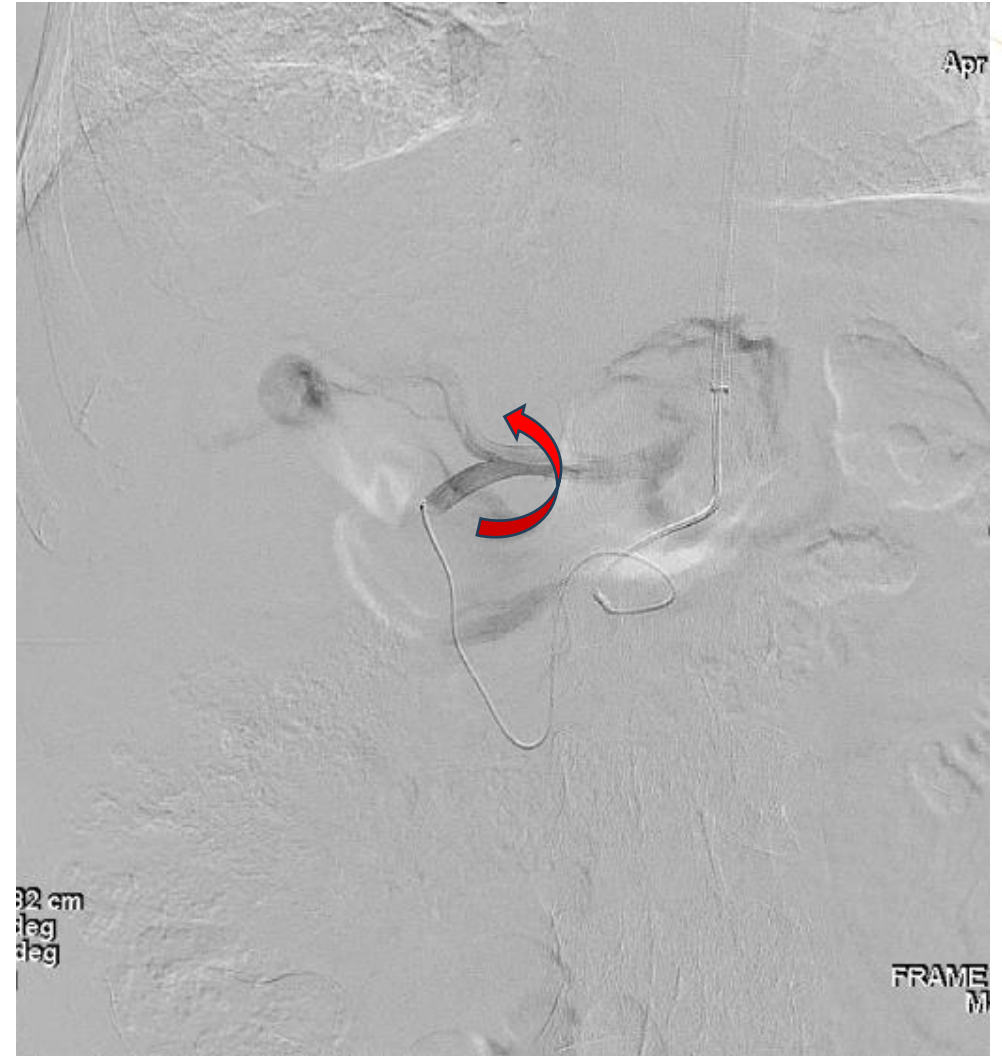
Options:

- Surgery
- **TACE**
- TARE
- Ablation
- SBRT
- Chemotherapy





Complete occlusion of Coeliac origin



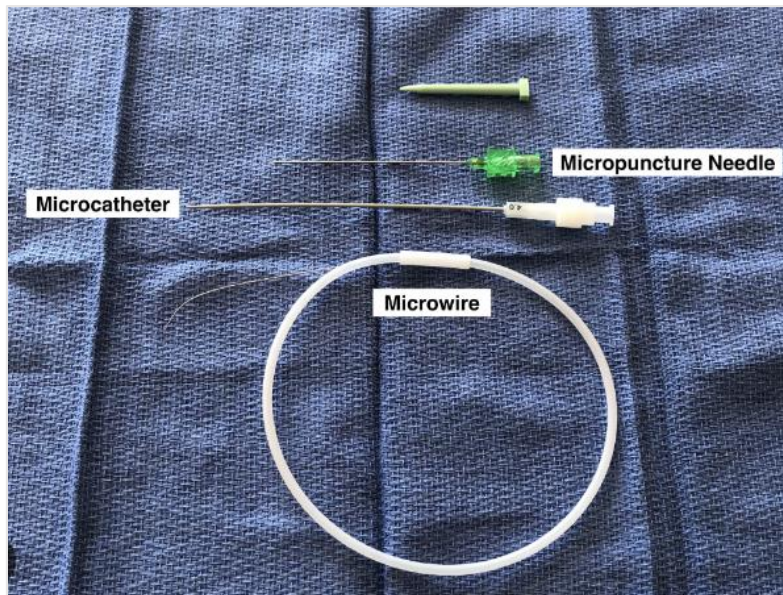
Hepatic artery arising at very acute angle from
 SMA collateral



WHAT'S
NEXT

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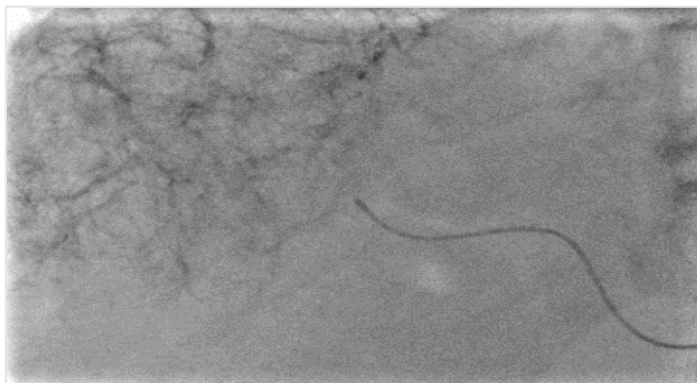
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4F MICROPUNCTURE SET



4F 7CM 0.018IN SHEATH



cTACE using 75 mg Doxorubicin and 12 ml Lipidol



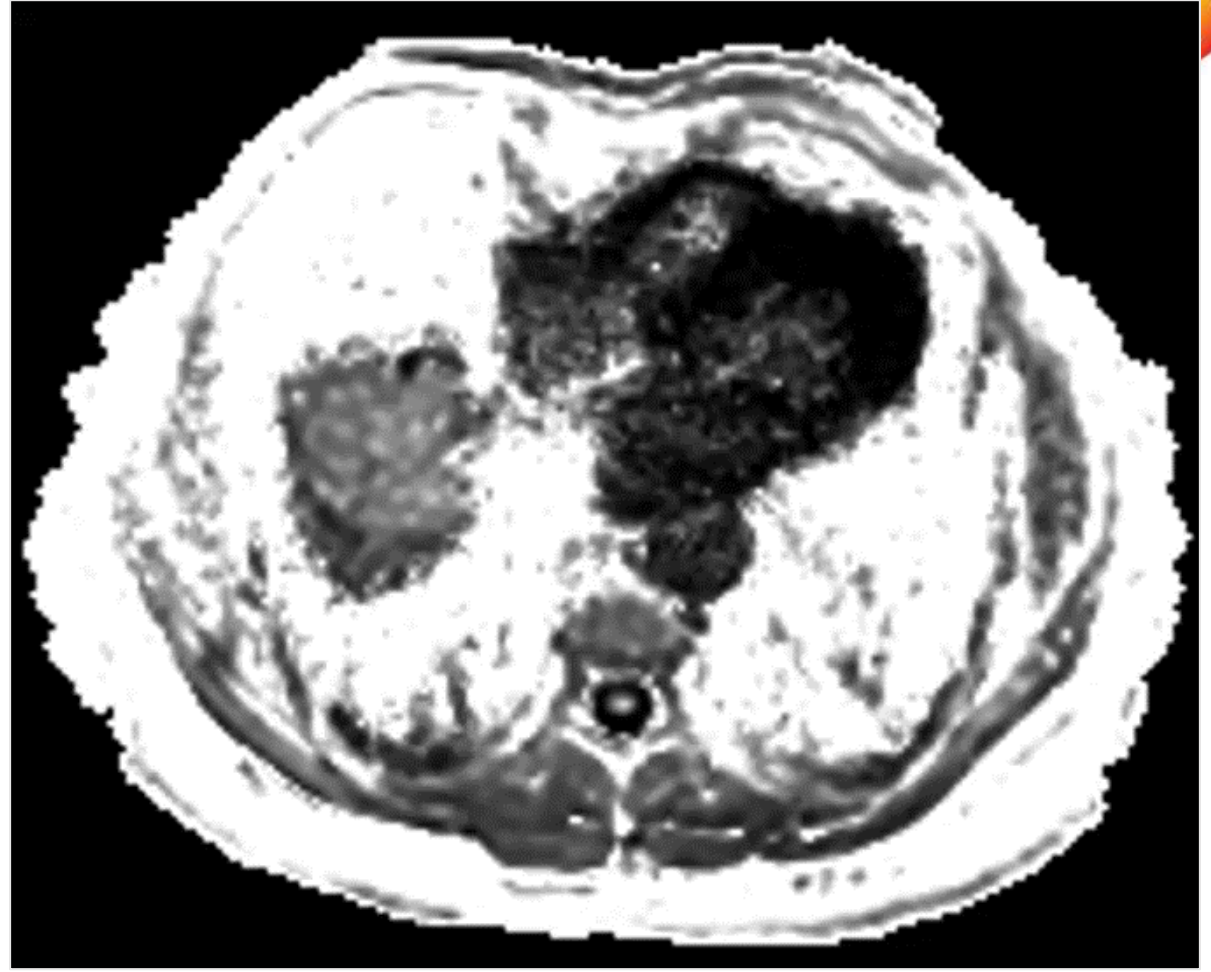
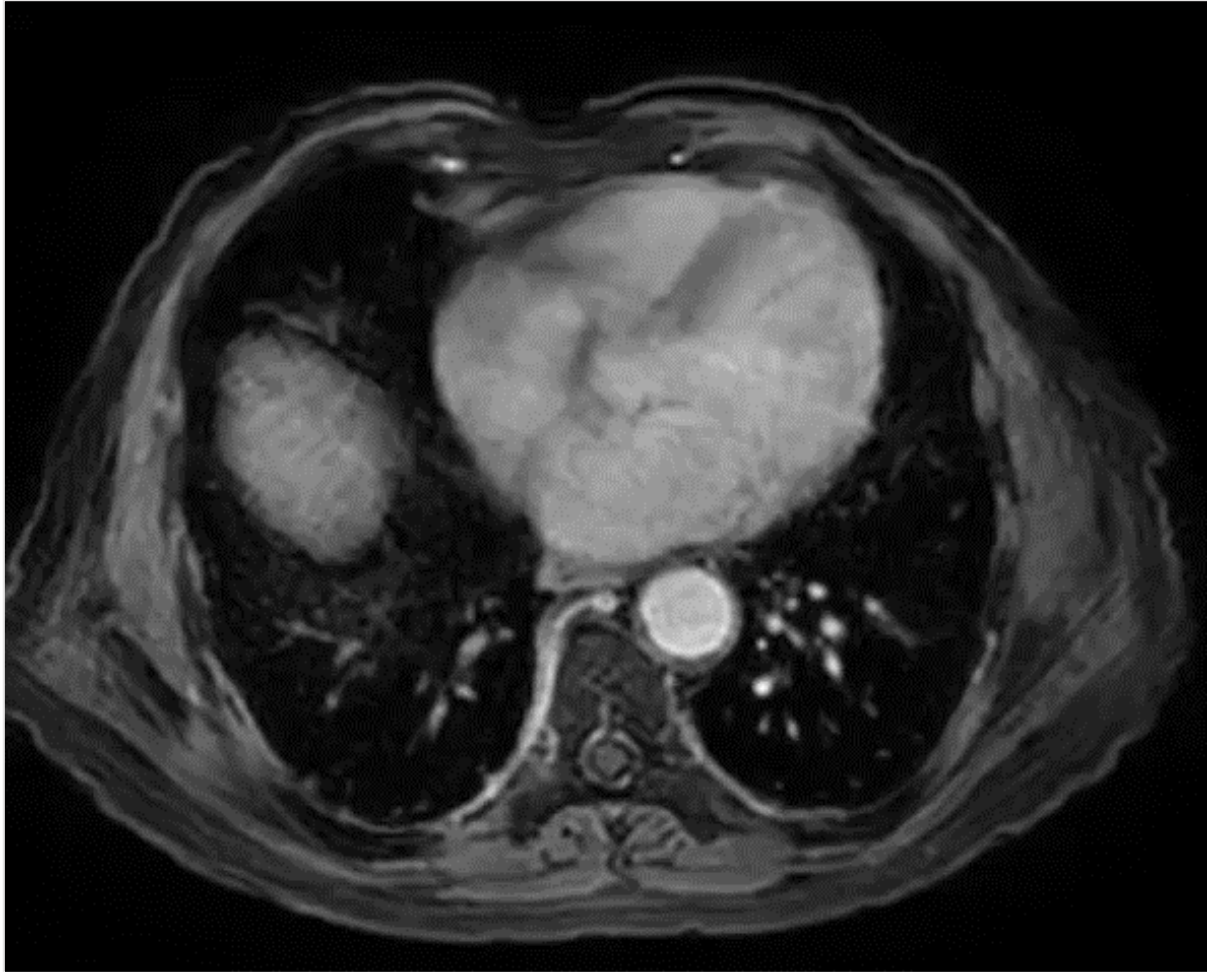


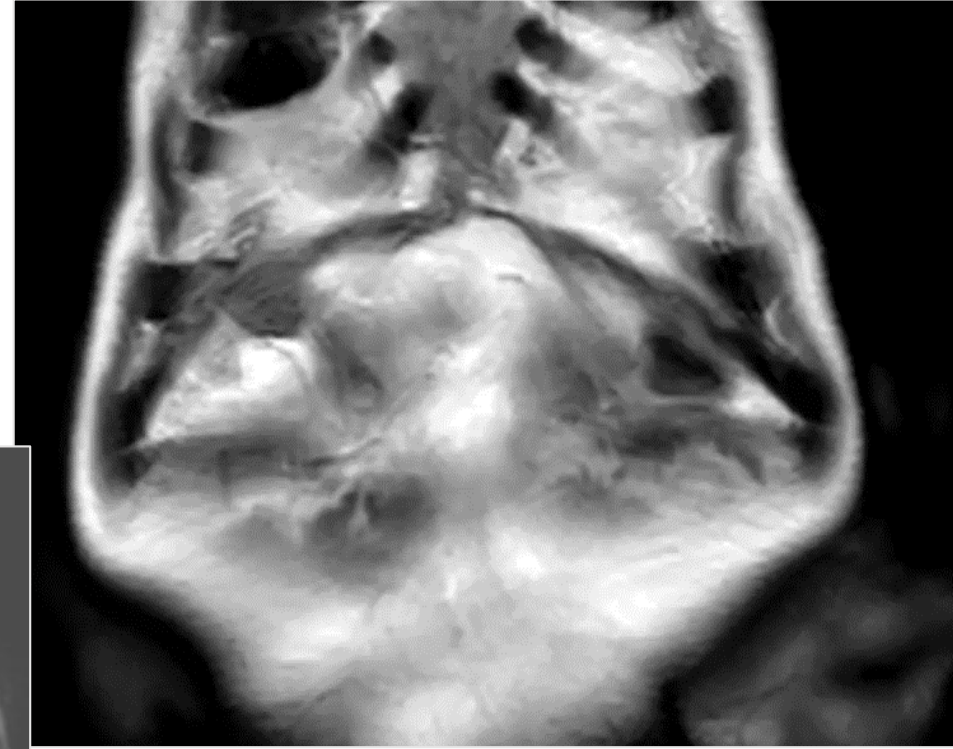
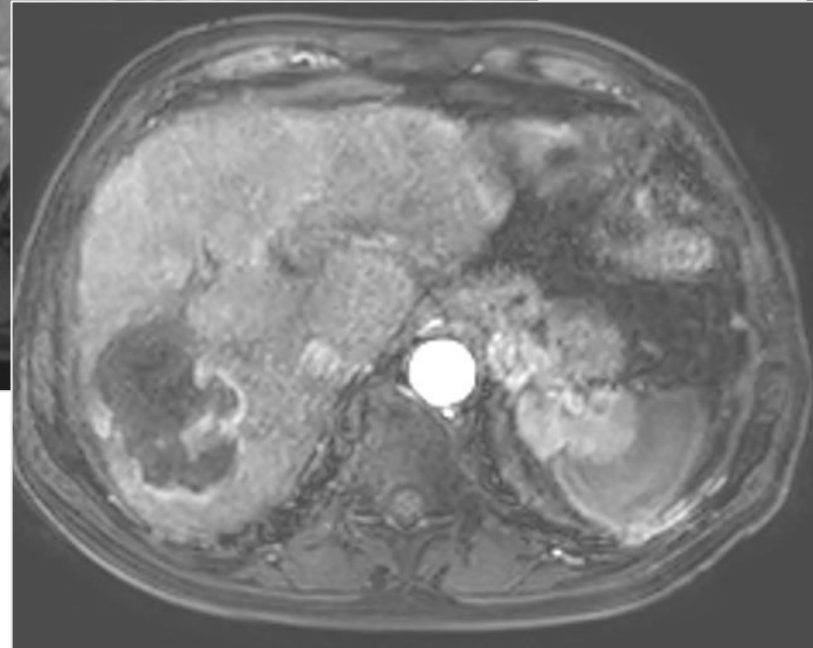
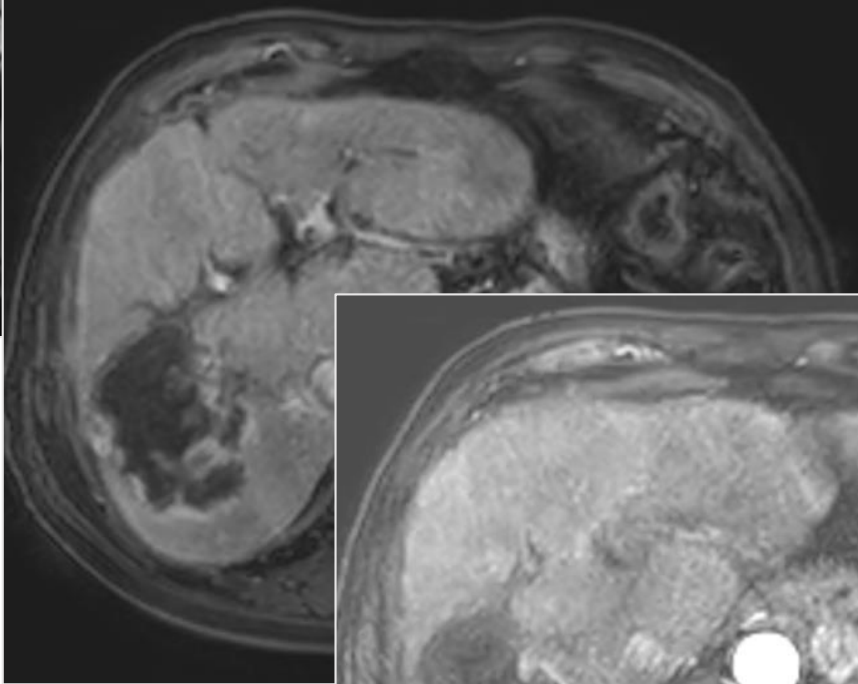
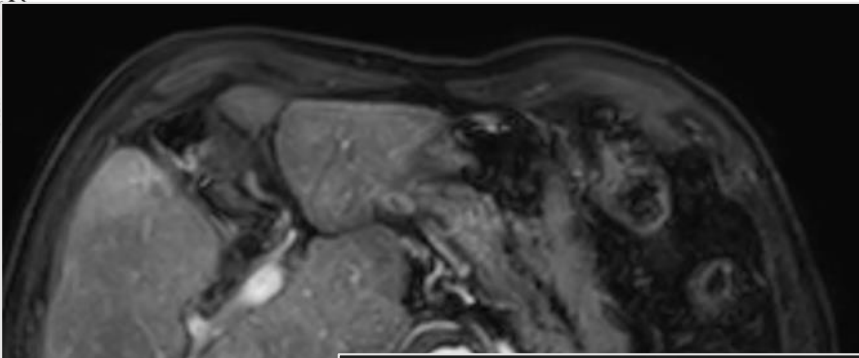
Post cTACE



Access was sealed using 50 % glue under DSA guidance

Follow-up imaging



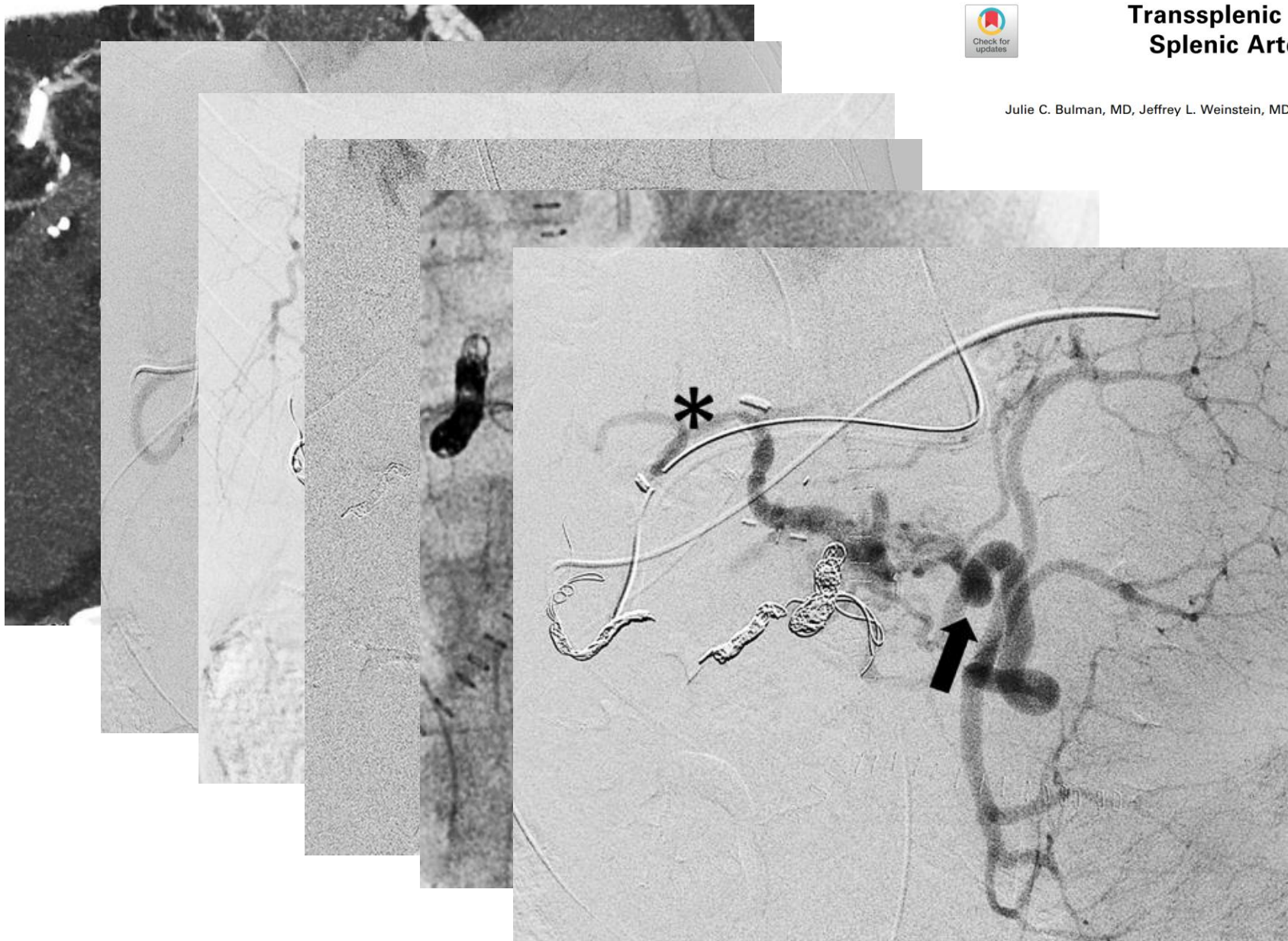


S. AFP levels reduced to 250 in 4 weeks. Patient was put on 8 mg Lenvatinib for 3 months



Transsplenic Arterial Embolization for Splenic Artery Steal Following Liver Transplant

Julie C. Bulman, MD, Jeffrey L. Weinstein, MD, Marwan Moussa, MD, and Muneeb Ahmed, MD



Take Home Lab Points

- Novel technique for TACE in cases with coeliac occlusion and tortuous SMA collaterals
- General anesthesia with suspended breathing
- Target intra-parenchymal splenic artery branch with micro-puncture set
- Track embolisation with 50% glue

References

- Bulman, J. C., Weinstein, J. L., Moussa, M., & Ahmed, M. (2021). Transsplenic Arterial Embolization for Splenic Artery Steal Following Liver Transplant. *Journal of Vascular and Interventional Radiology*, 32(3), 474–475. doi:10.1016/j.jvir.2020.11.013
- Dariushnia SR, Redstone EA, Manraj K.S. Heran, Cramer HR, Ganguli S, Gomes AS, et al. Society of Interventional Radiology Quality Improvement Standards for Percutaneous Transcatheter Embolization. *Journal of Vascular and Interventional Radiology*. 2021 Mar 1;32(3):476.e1–33.
- Lencioni R, Petruzzi P, Crocetti L. Chemoembolization of hepatocellular carcinoma. *Semin Intervent Radiol*. 2013 Mar;30(1):3-11. doi: 10.1055/s-0033-1333648. PMID: 24436512; PMCID: PMC3700789.
- Reig M, Forner A, Rimola J, Ferrer-Fàbrega J, Burrel M, Garcia-Criado Á, et al. BCLC strategy for prognosis prediction and treatment recommendation: The 2022 update. *Journal of Hepatology* [Internet]. 2022 Mar 1;76(3):681–93. Available from: <https://pubmed.ncbi.nlm.nih.gov/34801630/>