Starting a Hepatic Artery Infusion Therapy Program at WVU Medicine

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Hepatic Artery Infusion Therapy Indications

Unresectable Colorectal Liver Metastases Adjuvant Therapy after Resection

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Hepatic Artery Infusion Therapy Indications

Unresectable Intrahepatic Cholangiocarcinoma

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Case #1: Colorectal cancer

- 46 y/o woman metastatic rectal cancer to liver dx 2017
- FOLFOX-panitumumab x 6 cycles
- Jan 2018 Laparoscopic anterior resection and ablation 3 liver masses
- FOLFOX-panitumumab x 6 cycles

Case #1: Colorectal cancer Recurrence in liver only

- March 2019 removal of left liver mass, right liver mass and microwave ablation of posterior right liver mass, cholecystectomy, <u>HAIP</u>
- · Adjuvant FUDR x 4 cycles
- August 2019 pump removed
- · Surveillance alternating CT CAP and MRI
- · Remains NED as of Sept 2023



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Case #2: Unresectable intrahepatic cholangiocarcinoma • 61 y/o man with fatigue and abnormal labs • CT scan - multiple liver masses • Percutaneous biopsy c/w cholangiocarcinoma • EGD and colonoscopy clear • Local tumor board declares not resectable • Gem/cis for 8 cycles and well tolerated • Imaging after cycle 8 shows progression – still liver only disease • Referral to surgical oncology

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Case #2: Unresectable intrahepatic cholangiocarcinoma HAI therapy

- Robotic cholecystectomy and placement pump
- Indocyanine green perfusion angiography
- FUDR x 3 cycles
- · Imaging consistent with response

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Case #2: Unresectable intrahepatic cholangiocarcinoma HAI therapy for over 1 year

- Imaging after 6 and 9 cycles ongoing tumor response
- Imaging after 12 cycles stable and no metastatic disease
- Completed 14 cycles FUDR then developed abdominal pain possibly related to FUDR infusions (rare side effect)
- · Treated with Y-90 SIRT x 3
- Still alive 2 years after diagnosis of unresectable ICC



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How can we partner to bring HAI to more patients?

- Oncology nurses familiar with accessing ports can learn the procedure and teach colleagues how to refill pumps
- Oncology pharmacist trained on dosing protocols
- Intera Oncology supports on-site training
- WVU Morgantown team will also support carl.schmidt@hsc.wvu.edu

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