Hepatocellular Carcinoma

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History

• 39 year old male
• Hepatitis B positive 8 years ago during screen for blood donation
• No treatment for it
• May 2018 – jaundice, abdominal pain and distension, weight loss
Physical examination

• Deeply jaundiced, cachectic, pale
• Hepatomegaly 16cm
• No ascites
Investigations

ALP 485
GGT 376
Total Bilirubin 227
Direct Bilirubin 204
AST 178
ALT 66
INR 1.28

Hep B SAg – Positive
Anti HBS – Negative
Anti HBC – Positive
HBCore IgM – Negative
HBE Antigen: Positive

Alpha Feto Protein: 10,863 iu/ml
Imaging

Arterial phase

Portovenous phase

Enlarged liver, with 16 by 13cm T1 hypointense/ T2 hyperintense mass in segment 3, 4a, 5 and 8, displacing the portal vein laterally with no evidence of vascular invasion.
Management

- Supportive care
- Sorafenib
- Tenofovir
- Went for second opinion in India
- Started on lenvatinib
Management

• On return from India, decompensated liver failure
• Palliative care instituted
• Died after 10 days
Discussion points

- Appropriate first line therapy
- Liver directed therapies
- Management of Hepatitis B
Thank you...