



Botswana Multidisciplinary Tumour Board

A 20-year old man with hepatocellular carcinoma

10 July 2012



Photo: Rosina Pradhananga

20-year old Man with hepatocellular carcinoma

Past Medical History:

- HIV negative
- Asthmatic
- Weight 59 kg

20-year old Man with hepatocellular carcinoma

History:

- Dec 2011, presented to DRMH, Mochudi
 - ▣ 2wks of weight loss, abdominal pain, vomiting, and abdominal distension
 - ▣ Exam: enlarged abdomen, ?mass
 - ▣ AST 55, ALT 95, Alk Phos 194, GGT 152
 - ▣ Ultrasound: Multiple hypoechoic enlarged masses in the para-pancreatic region suggestive of lymphadenopathy
 - ▣ Working diagnosis abdominal TB vs. lymphoma

LABORATORY REPORT (COPY)

Clinical data TB abdomen, lymphoma.
Tests ordered FBCP, Diff, U&E, LFT, HIV RAPID

FULL BLOOD COUNT & PLATELETS

		Flags	RefInterval
Leucocyte Count	8.92 Gpt/L		4.50 - 11.50
Erythrocyte Count	5.00 Tpt/L		4.50 - 5.90
Haemoglobin	13.5 g/dl	L	14.0 - 17.5
HCT	41.0 %		40.0 - 52.0
MCV	82.0 fl		80.0 - 96.0
MCH	27.0 pg	L-	28.0 - 33.0
MCHC	32.9 g/dl	L	33.0 - 36.0
RDW	14.9 %		11.5 - 15.0
Platelet Count	407 Gpt/L	H	140 - 392

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DIFFERENTIAL

		Flags	RefInterval
Neutrophils	52.8% 4.71 /nl		2.00 - 7.50
Lymphocytes	31.4% 2.80 /nl		1.00 - 4.00
Monocytes	13.0% 1.16 /nl	H	0.00 - 0.80
Eosinophils	2.4% 0.21 /nl		0.08 - 0.36
Basophils	0.4% 0.04 /nl		0.00 - 0.20

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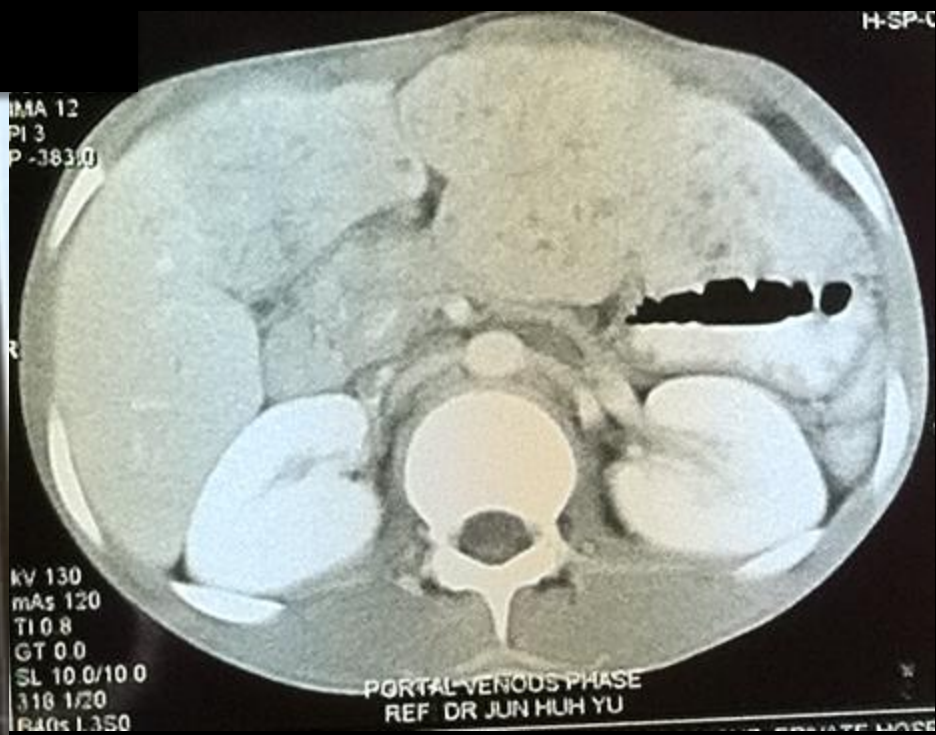
LIVER FUNCTION TESTS

		Flags	RefInterval
Alkaline Phosphatase (ALP) ...	194 IU/l	H	40 - 129
g-Glutamyl Transferase (GGT) .	152 IU/l	H	0 - 59
Alanine Transaminase (ALT) ...	95 IU/l	H	0 - 50
Aspartate Transaminase (AST) .	55 IU/l	H	0 - 25
Total Protein	78 g/l		60 - 80
Albumin	37 g/l		34 - 48

CT Dec 2011



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Abdominal CT

- “multi-nodulated low density shadowings within the liver particular the left lobe”
- “...a large mass of similar density in the vicinity of the liver hilum”
- “dilated intrahepatic biliary ramifications in the region of the caudate and left lobes”
- Normal right lobe
- Comment: “Considering young patient age, the findings are almost certainly due to fibrolamellar hepatocellular carcinoma. Advise biopsy confirmation”

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- Fine needle biopsy – Jan 2012
 - ▣ Non-diagnostic sample – suggest repeat biopsy

- Repeat FNA –Jan 2012
 - ▣ Liver smear positive for malignant cells

- Biopsy–March 2012
 - ▣ Liver shows HCC. Tumor is consisting of cells of different size with open nuclei and prominent nucleoli. Intranuclear vacuoles are seen. Tumour cells areas embedded in a fibrous stroma.

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- Oncology Review—Jan 2012
 - Complaining on SOB, fatigue, abdominal pain/distension
 - Exam: poor general condition, abdomen soft, distended, epigastric tenderness
 - Laboratories: Hep B and C negative, AFP 3.33 (nl range 0-10)

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- Follow-up:
 - Completed 2 cycles of chemotherapy
 - Extreme fatigue, leg swelling, PS 3
 - Due for review on Thursday

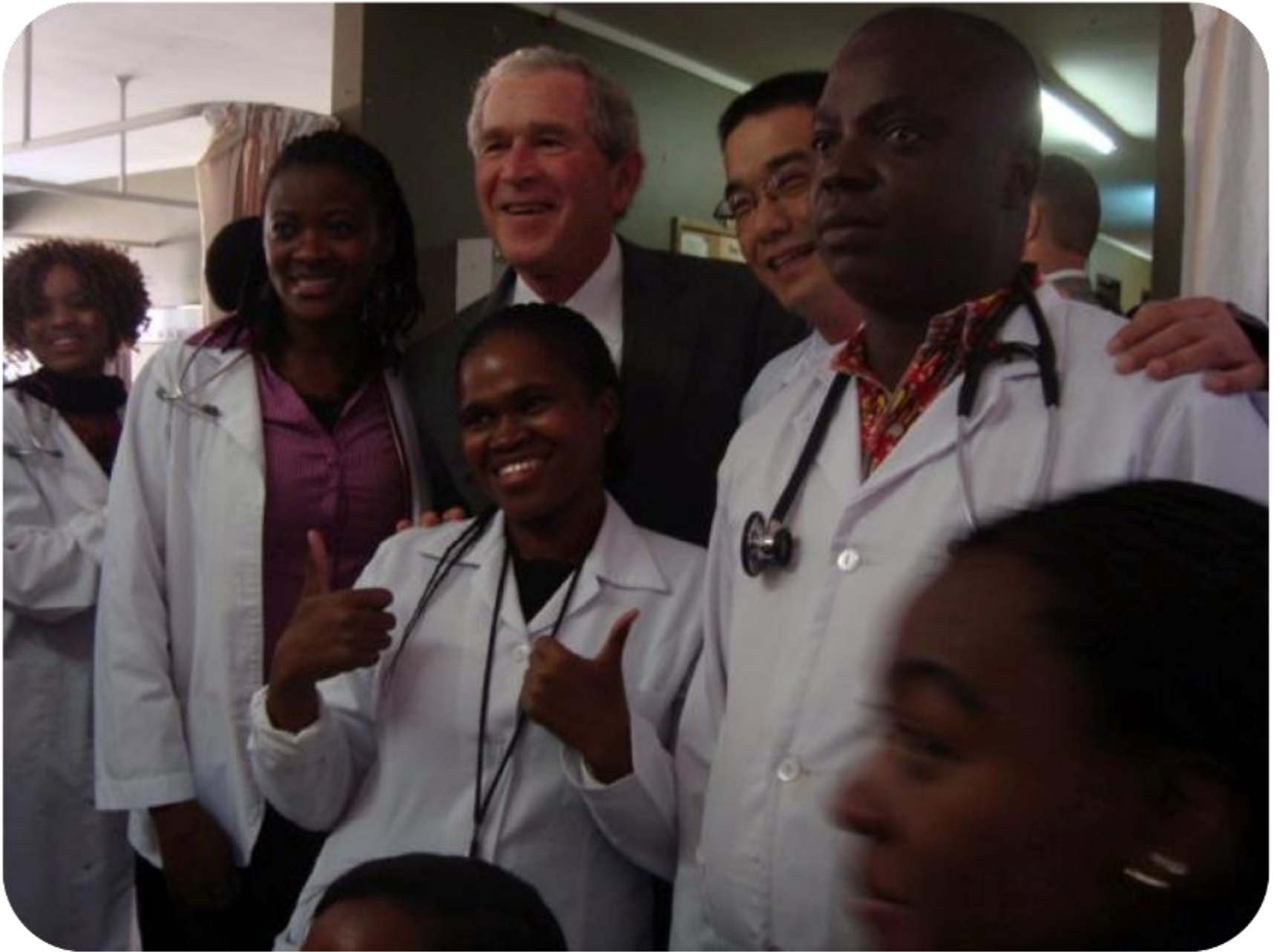


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