

“Double the trouble triple the fun” – A bleeding angiomyolipoma in pregnancy.

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BACKGROUND

- Rare benign tumour – 0.13% of the general population ¹
- Most commonly occur in women >50 ²
- Composed of smooth muscles, adipose tissue and blood vessels ²
- Most of the above cases diagnosed pre-pregnancy ¹
- Commonly bleed in the 3rd trimester ²
- Associated with Von Hippel Linday, neurofibromatosis, tuberous sclerosis, lymphangiomyomatosis ²

CASE

Background :39 Week old

17/40 pregnant with DCDA Twins following intrauterine insemination.

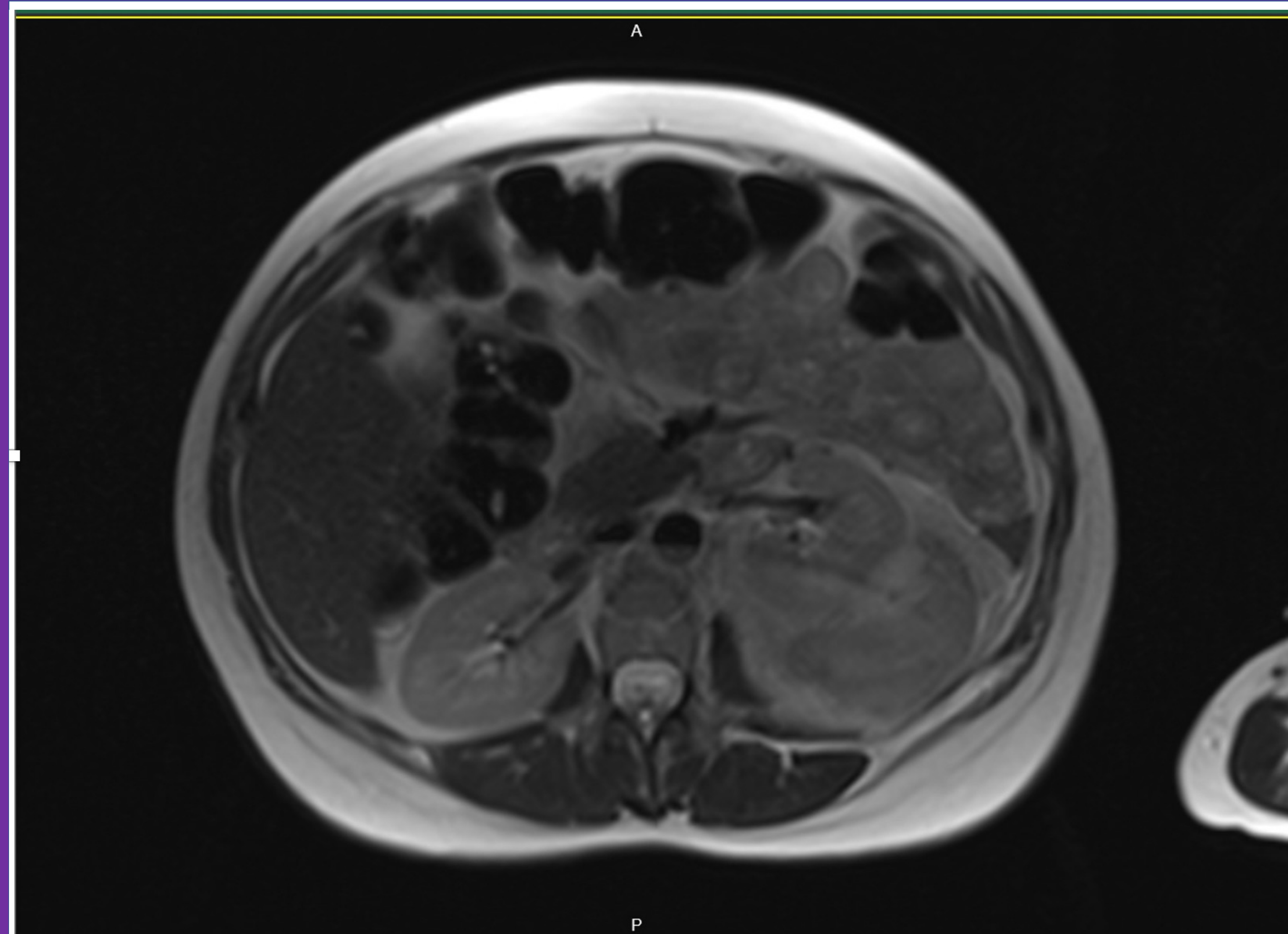
Case: This lady Presented to A+E with left sided abdominal pain, sudden onset radiating into flank, with associated nausea and vomiting.

She had both ketones and leucocytes in her urine.

Her initial blood results revealed Haemoglobin (Hb) 97, white cell count (WCC) 17.1, CRP 235

She was commenced on antibiotics for a potential pyelonephritis and Ultrasound of the kidneys requested
Renal Ultrasound revealed the left kidney was 123mm in size with a mass at the hilum approximately 72x64mm containing mixed echogenicity, indicative of blood.

IMAGING FINDINGS



MRI - Subacute bleed of the left renal angiomyolipoma encapsulated within the renal capsule

CASE continued

Her Hb dropped to 75 and she received two units of packed red cells.

She underwent interventional radiological embolization

There were 3 renal arteries requiring embolization to cause a blush

She had ongoing pain for 6/52

In later pregnancy she developed PUPPS, PET and Obstetric cholestasis

Key points

- CT angiogram allows identification of vessels supplying the structures, prior to interventional radiology, which can be difficult in cases with anatomical variations – such as our lady.
- Shielding increases scatter and makes visualization more difficult and increases dose to the mother

REFERENCES

- 1/ Gimeno Argente V, Bosquet Sanz M, Bonillo Garcia MA, Gomez Perez L, Pontones Moreno JL, Jimenez Cruz JF. Conservative surgery of bilateral renal angiomyolipoma during pregnancy. *Actas Urol Esp.* 2006;30:633–7
2. N.Vos & R.Oyen. Renal angiomyolipoma: the good, the bad, and the ugly. *J Belg Soc Radiology.* 2018; 102(1): 41