



AB176. SOH22ABS212. A case of histologically distinct bilateral renal neoplasms and co-existing synchronous tumours

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Background: Multiple synchronous tumours are an accepted phenomenon, yet it is still rare to find a case where three or more primary tumours are diagnosed simultaneously and especially within the same organ. A review of the literature describes a paucity of cases, such as we describe here.

Methods: We report the case of a 71-year-old man who presented with haematuria, CT imaging showed bilateral renal lesions. Subsequent staging CT and PET imaging showed a nodular thyroid lesion and a rectal mass. He underwent an elective left radical nephrectomy and emergency splenectomy.

Results: Histology confirmed two renal cell carcinoma (RCC) phenotypes in the left kidney comprising of a papillary RCC type 2 and a clear cell RCC, spatially distinct with no intermixing and a contralateral synchronous tumour in the right kidney. Rectal biopsy confirmed an adenoma with low grade dysplasia and thyroid ultrasound imaging was consistent with a benign tumour. Intraoperatively he had a locally advanced tumour with involvement of the renal vein. There were no visceral metastases. He was discharged home well postoperatively, for medical oncology review.

Conclusions: This case describes a rare phenomenon, which adds to and encourages the discourse around genomic advancements and familial syndromes in relation to multiple RCC's. And, opens multi-disciplinary discussion around appropriate surgical management, the need for biopsy and targeted oncological treatments where synchronous tumours arise.

Keywords: Synchronous; tumour; renal; multiple; malignancy

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Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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