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# METACHRONOUS BILATERAL TESTICULAR CANCER: TWO CASE STUDIES AND LITERATURE REVIEW

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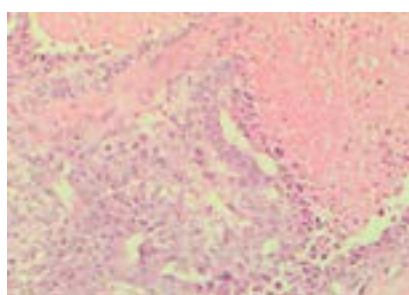
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It is not uncommon for men with unilateral testicular cancer to go on to develop metachronous cancer in the contralateral testis. Here, we present two cases of metachronous bilateral testicular cancer. In both cases, the second occurrence of testicular cancer arose several years after the initial cancer, and were not screened for contralateral germ cell neoplasia *in situ* (GCNIS) upon the first diagnosis. We also present a literature review on the need for screening biopsies of contralateral testis for GCNIS and the risk factors which should encourage screening. Furthermore, we have reviewed the effect of histological classification of the initial testicular cancer on the period of development of the contralateral tumour and its histology. We also explore the effect of chemotherapy on the incidence of contralateral testicular cancer and the effectiveness of radiotherapy in the treatment of GCNIS. We would like to conclude that screening biopsies of the contralateral testis upon diagnosis of unilateral testicular cancer should be encouraged as it can lead to better management of the condition and more favourable outcomes.

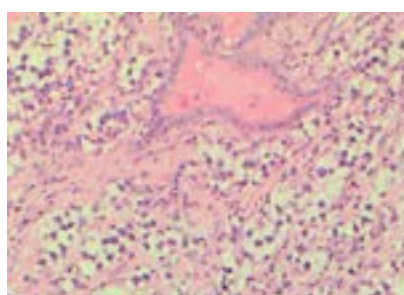
## Biography

Zhi Yang Low is a final year medical student at University College London with a keen interest in research and surgery, and will be starting their foundation training in July in London and Leicester respectively. Dr Dhili Arul is a Consultant Histopathologist at the Whittington Hospital, London. Mr Sudhanshu Chitale is a Consultant Urologist at the Whittington Hospital, London, and Lead for the Urology Paediatric and Joint Urology Diabetes Service and Male Fertility. He is also an Honorary Senior Lecturer at University College London

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**Figure1:** Embryonal carcinoma in right testis in 2007



**Figure 2:** Classical seminoma in left testis in 2017