CD68 and CD163 were highly significantly expressed in cancers compared with BOT (p<0.001 and 0.004 respectively). Similarly, stromal CD163 mean count and percentage were more abundant in malignant tumours (p=0.03 and 0.02). Mean stromal CD68 count and percentage correlated positively with mean CD163 stromal count and percentage (p=0.02). Risk of malignancy index was a significant predictor of ovarian cancer diagnosis (p=0.04). 15 cancer patients died of the disease. There was no significant association between TAM expression and patient survival.

Conclusion TAM subtypes analysis in ovarian neoplasia of young women confirms higher expression in malignant compared with borderline ovarian tumours. This might have implications on their pathogenesis and management.

A NOVEL LAPAROSCOPIC APPROACH TO LARGE MALIGNANT OVARIAN MASSES

Introduction/Background The uptake of a minimally invasive approach in the management of gynaecological malignancies has increased over the years, because of advancement in skills, equipment, and the advantages of a swifter recovery, lower blood loss and reduction in the length of hospitalisation. However, this has been viewed with much hesitance in the realm of ovarian malignancies due to fear of spill and incomplete clearance of tumour, especially when the tumours are large.

Methodology We describe two cases in which the large pelvic masses (both about 12 cm in size) were handled in an oncologically sound manner, allowing for accurate intra abdominal assessment of disease, and removal of the ovarian mass without surgical spill. The first is that of an ovarian immature teratoma with gliomatosis peritonei in a 6 year old girl, the second is that of a 35 year old lady with a mucinous ovarian tumour. The second case was approached in a similar manner, excluding the final step.

Conclusion In carefully selected cases of ovarian malignancy, a minimally invasive approach can be undertaken safely.