

Results 40 patients were included in the analysis. The mean age was 43 years (29–66). Surgical approach was extraperitoneal in 31 (77.5%) and transperitoneal in 9 (22.5%) of the cases. The mean operating time was 147.5 minutes (120.2–186.2). Surgical bleeding had a median of 30 ml (10–50). There were no intraoperative complications or death associated with the procedure. The median paraaortic lymph node count was 8.5 nodes (5.75–15). Six (15%) patients had para-aortic compromise and all received extended field radiotherapy. At follow-up, 5% of patients presented recurrent disease (n = 1 lung and n = 1 supraclavicular lymph node). The overall survival (OS) was 88.7% and the disease-free survival (DFS) was 74.3% in the population.

Conclusion Paraaortic lymphadenectomy in stage IIIC1r cervical cancer in our study detected 15% of patients with lymph node involvement, without associated morbidity. It was not possible to evaluate the oncological impact of this procedure in the study population.

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222 HIGH INCIDENCE OF VENOUS THROMBOEMBOLISM IN PATIENTS RECEIVING NEOADJUVANT CHEMOTHERAPY FOR ADVANCED STAGE OVARIAN CANCER

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Objectives There is paucity of data on venous thromboembolism (VTE) in patients receiving neoadjuvant chemotherapy (NACT) for ovarian cancer. We explored the incidence and predictors of VTE in this patient population.

Methods We performed a retrospective review of women with primary ovarian, fallopian tube or peritoneal cancer who received NACT from January 2012 to October 2018. Patients with a history of VTE prior to cancer diagnosis were excluded. The primary outcome was incidence of deep vein thrombosis (DVT) or pulmonary embolism (PE) after cancer diagnosis and before interval debulking surgery. We explored demographic and clinical variables associated with VTE.

Results VTE was diagnosed in 25 (28%) of 90 patients and 16 (64%) had PE. 67% of patients had VTE during NACT and 8 patients after their cancer diagnosis, before initiation of NACT. The majority of patients had stage III disease and serous adenocarcinoma. African Americans were 3 times more likely than other races to experience VTE (OR 3.22; CI 0.997–10.42; P = 0.051). Significantly more patients without VTE had debulking surgery (88% vs 60%, P = 0.005). The risk of DVT increased by 8.7% per year of age (OR 1.087; 95% CI 1.01–1.17). Obesity, smoking status, medical comorbidities, disease stage, histology, invasive diagnostic surgery, and length of NACT were not predictors of VTE.

Conclusions The incidence of VTE during neoadjuvant chemotherapy is high. Older age and African American race may be potential risk factors for VTE. This information will help mitigate disparities in the treatment of advanced stage ovarian cancer.

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223 A THREE PROTEIN SIGNATURE FAILS TO EXTERNALLY VALIDATE AS A BIOMARKER TO PREDICT SURGICAL OUTCOME IN HIGH GRADE SEROUS OVARIAN CANCER

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Introduction Complete cytoreduction is associated with improved survival in patients with advanced High Grade Serous Ovarian Cancer (HGSOC). To aid clinical decision making, many surgical outcome prediction tools have been proposed, but none have been sufficiently validated to warrant routine clinical usage. Here we attempted to externally validate a promising three protein signature, which had shown strong association with suboptimal surgical debulking (AUC 0.89, accuracy 92.8%).

Methods 241 HGSOC tumour samples were collected from patients who participated in a large multicentre trial (ICON5). Samples were collected at the time of initial surgery and before randomisation. Surgical outcome data were collated from the study records. Immunohistochemical scores were generated by two independent observers for the three proteins in the original signature (POSTN, CXCL14 and pSmad2/3). Predictive values were generated for individual and combination protein signatures and as part of a multivariable model using logistic regression.

Results When assessed individually, none of the proteins showed any predictive affinity for suboptimal surgical outcome in our cohort (AUC POSTN 0.55, pSmad 2/3 0.53, CXCL 14 0.62). The combined signature again showed poor predictive ability, AUC 0.58, as did the multivariable model, AUC 0.63.

Conclusion Despite showing original promise, when this protein signature is applied to a large external cohort, it is unable to accurately predictive surgical outcomes. This could be attributed to overfitting of the original model, or differences in surgical practice in our cohort.

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224 ADJUVANT CHEMOTHERAPY IN SURGICAL STAGE I OR II ENDOMETRIOID ENDOMETRIAL CANCER WITH MYOMETRIAL INVASION >50%: A MULTICENTER RETROSPECTIVE STUDY WITH LONG-TERM FOLLOW-UP

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