



Gynecological Oncology Treatment: Recent Progress in Clinical Modalities

Dear Colleagues,

Gynecological cancer including uterine cervical cancer, endometrial cancer and ovarian cancer constitutes unique disease properties. Representative recent topics of uterine cervical cancer are real world evidence of human papilloma virus vaccine and application of minimally invasive surgery (MIS). Treatment for early-stage endometrial cancer is almost established using MIS, and laparoscopic surgery and robotic surgery exhibit pronounced development and establishment of safety of these surgeries are crucial for patients. Another focus on epidemiology of endometrial cancer is the presence of familial trait that include Lynch syndrome. Recent molecular and genetic analysis of ovarian cancer is remarkable, and adjuvant chemotherapy for ovarian cancer became completely different from those of ten years ago. Artificial intelligence (AI) modalities might extend and expand human intelligence, and diagnostic significance of AI technology is steady progressing. Another remarkable issue related to gynecological cancer is the finding of gene fusions that are thought to be driver mutations. Oncology panel is developed and is supposed to be promising candidate modality to find the suitable drugs for unusual gynecologic tumors.

In this special issue, the authors will present novel and the most recent studies with regard to the development of gynecological cancers. These include the molecular characterization of gynecological cancers, treatment strategies of various gynecological cancers, application, ingenuity and limitation of MIS, and advances of diagnostic modalities (AI and oncology panel).

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Guest Editors

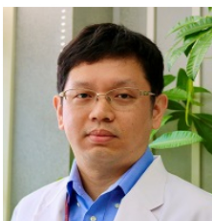
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