

Special Issue

Update on Surgical Treatment for Ovarian Cancer

Message from the Guest Editors

The first recorded surgical removal of an ovarian tumour was performed in 1809 in a patient with a large abdominal mass by Dr. Ephraim McDowell. This groundbreaking procedure is considered the first successful ovariectomy, marking a major milestone in the surgical treatment of ovarian cancer. Today, surgical resection remains the cornerstone of multidisciplinary treatment for patients with resectable ovarian cancer. Recent advances have significantly transformed this field. These include hyperthermic intraperitoneal chemotherapy (HIPEC), minimally invasive surgery (MIS), fertility-preserving procedures, real-time intraoperative tools, AI-assisted technologies, and machine learning, neoadjuvant chemotherapy (NACT) to reduce the tumour burden preoperatively. There is a growing emphasis on combining these technologies to enhance surgical precision, predict disease recurrence more accurately, with the ultimate goal of achieving long-term survival. This Special Issue will highlight recent innovations that could reshape current clinical practice and inform future clinical trials, while also introducing multiple new perspectives in relation to ovarian cancer surgery.

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Deadline for manuscript submissions

31 January 2026



Medicina

an Open Access Journal
Published by MDPI

Impact Factor 2.4
CiteScore 4.1
Indexed in PubMed



mdpi.com/si/244164

Medicina
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