



**Editor-in-Chief**  
Pedro T Ramirez (USA)

**Associate Editors**  
Antonio Gonzalez (Spain)  
Anna Fagotti (Italy)  
Michael Frumovitz (USA)  
Rene Pareja (Colombia)  
Anuja Jhingran (USA)

**Video Editor**  
Luis Chiva (Spain)

**Social Media Editor**  
Ane Gerda Zahl Eriksson (Norway)

**Managing Editor**  
Lindsey Struckmeyer (USA)

**Editorial Office**  
*International Journal of Gynecological Cancer*, BMJ Journals  
Two Hudson Square, 3rd Floor,  
Hoboken, NJ 07030 USA  
E: [ijgc@jgeditorial.com](mailto:ijgc@jgeditorial.com)

**Production Editor**  
Hannah Martin  
E: [production.ijgc@bmj.com](mailto:production.ijgc@bmj.com)

**Customer support**  
For general queries and support with  
existing and new subscriptions:  
W: [support.bmj.com](http://support.bmj.com)  
T: +44 (0)20 7111 1105  
E: [support@bmj.com](mailto:support@bmj.com)

Self-archiving and permissions  
W: [bmj.com/company/products-services/rights-and-licensing/](http://bmj.com/company/products-services/rights-and-licensing/)  
E: [bmj.permissions@bmj.com](mailto:bmj.permissions@bmj.com)

**Disclaimer:** The Editor of *International Journal of Gynecological Cancer* has been granted editorial freedom and *International Journal of Gynecological Cancer* is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. *International Journal of Gynecological Cancer* is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by *International Journal of Gynecological Cancer* does not imply endorsement. Neither *International Gynecologic Cancer Society* and *European Society of Gynaecological Oncology* nor BMJ Publishing Group Limited shall have any liability for any loss, injury or damage howsoever arising from *International Journal of Gynecological Cancer* (except for liability which cannot be legally excluded).

**Copyright:** © 2022 IGCS and ESGO. All rights reserved; no part of this publication may be reproduced in any form without permission.

The *International Journal of Gynecological Cancer (IJGC)* is published by BMJ Publishing Group Ltd and typeset by Exeter Premedia Services Private Limited, Chennai, India.

## Lead Article

- 695** Intensity of end-of-life care for gynecologic cancer patients by primary oncologist specialty  
*K Hicks-Courant, G P Kanter, M M Schapira, C M Brensinger, Q Liu, E M Ko*

## Editorial

- 704** End-of-life care quality metrics in patients with cancer: challenges and opportunities  
*Y Heung, E Bruera*

## Vulvar Cancer

- 706** Prognostic nomograms to predict overall survival and cause specific death in vulvar squamous cell carcinoma  
*Y Mao, M He, Z Tang, M Chen, L Wu, T Liang, J Huang*

## Cervical Cancer

- 716** Genotype-specific high-risk human papillomavirus infections and risk factors for cervical dysplasia in women with human immunodeficiency virus in Germany: results from a single-center cross-sectional study  
*A Wagner, A S Skof, J Sehouli, R Richter, W Henrich, K von Weizsäcker, J-P Siedentopf, R Chekerov, A M Kaufmann, I Rohr*
- 724** Sociodemographic characteristics and cervical cancer survival in different regions of the United States: a National Cancer Database study  
*M D Toboni, A Cohen, Z L Gentry, S A Ostby, Z Wang, S Bae, C Leath*
- 732** Stereotactic body radiotherapy in oligometastatic cervical cancer (MITO-RT2/RAD study): a collaboration of MITO, AIRO GYN, and MaNGO groups  
*G Macchia, A Nardangeli, C Laliscia, A Fodor, L Draghini, P C Gentile, G R D'Agostino, V Balcet, P Bonome, M Ferioli, R Autorino, L Vicenzi, A Raguso, S Borghesi, E Ippolito, V Di Cataldo, S Cilla, E Perrucci, M Campitelli, M A Gambacorta, F Deodato, G Scambia, G Ferrandina*

## Uterine Cancer

- 740** Importance of pathological review of gestational trophoblastic diseases: results of the Belgian Gestational Trophoblastic Diseases Registry  
*S Schoenen, K Delbecq, A-S Van Rompuy, E Marbaix, J-C Noel, P Delvenne, P Moerman, I Vergote, F Kridelka, A Vandewal, S Han, F Goffin*

## Surgery

- 746** Ten years of live surgical broadcast at Charité-MAYO conferences (2010–2019): a systematic evaluation of the surgical outcome  
*J Altmann, R Chekerov, C Fotopoulou, M-Z Muallem, A du Bois, W Cliby, S Dowdy, K Podratz, W Lichtenegger, O Camara, R Tunn, D Cibula, S Kuemmel, G Scambia, I Vergote, V Chiantera, K Pietzner, M G Inci, S Chopra, M Biebl, J Neymeyer, J-U Blohmer, J Sehouli*

## Ovarian Cancer

- 753** Prospective non-interventional BELOVA/BGOG-ov16 study on safety of frontline bevacizumab in elderly patients with FIGO stage IV ovarian cancer: a study of the Belgian and Luxembourg Gynaecological Oncology Group  
*I Vergote, E Van Nieuwenhuysen, S De Waele, C Vulsteke, C Lamot, H Van den Bulcke, N Claes, M-P Graas, G Debrock, I Spoormans, P Vuylsteke, B Honhon, D Verhoeven, D De Maeseneer, L Dirix, J Mebis, P Vroman, H Denys, C Martinez Mena, G Pelgrims, M Van Steenberghe, T van Gorp, C Gennigens*
- 761** Symptom burden and quality of life with chemotherapy for recurrent ovarian cancer: the Gynecologic Cancer InterGroup-Symptom Benefit Study  
*Y C Lee, M T King, R L O'Connell, A Lanceley, F Joly, F Hilpert, A Davis, F T Roncolato, A Okamoto, J Bryce, P Donnellan, A M Oza, E Avall-Lundqvist, J S Berek, J A Ledermann, D Berton, J Sehouli, A Feeney, M-C Kaminsky, K Diamante, M R Stockler, M L Friedlander, for the GCIG Symptom Benefit Group*
- 769** Modifiable risk factors associated with long-term survival in women with serous ovarian cancer: a National Cancer Database study  
*A S Frost, A J B Smith, A N Fader, S L Wethington*

## Health services

- 781** Patient-reported outcomes and chemotherapy-related cognitive impairment in gynecologic malignancy  
*S Alimena, L Philp, E J Orav, M W Sullivan, M Del Carmen, A Goodman, W B Crowdon, A Bregar, E Eisenhauer, R C Sisodia*

## Review

- 788** Placenta accreta spectrum: a non-oncologic challenge for gynecologic oncologists  
*O Touhami, L Allen, H Flores Mendoza, M A Murphy, S R Hobson*



## Clinical trial

- 799** Olaparib beyond progression compared with platinum chemotherapy after secondary cytoreductive surgery in patients with recurrent ovarian cancer: phase III randomized, open-label MITO 35b study, a project of the MITO-MANGO groups  
*C Schettino, L Musacchio, M Bartoletti, P Chiodini, L Arenare, G Baldassarre, D Califano, E Capoluongo, M P Costi, M D'Incalci, S Marchini, D Mezzanzanica, N Normanno, S Scala, S Greggi, F Perrone, S Pignata*

## Case study

- 804** Low-grade serous ovarian cancer in pregnancy  
*I Peters, A C Testa, D Arciuolo, F Amant, A Fagotti*

## Corners of the world

- 809** War in Ukraine: the opportunities for oncogynecologic patients in Poland  
*M Bobiński, O Hoptiyana, K Rasoul-Pelińska, M Lyzogub, A Rychlik, A Pletnev*

## Video articles

- 811** Laparoscopic resection of retroperitoneal leiomyosarcoma involving the right ureter and internal iliac artery  
*J Li, J Li, W Jiang*
- 813** Minimally invasive secondary cytoreductive surgery for hepato-renal recess isolated recurrence of serous endometrial cancer in BRCA1 mutated patient  
*V Iacobelli, F Taliente, G Scambia, F Fanfani, F Giuliani, V Gallotta*

## Pathology archives

- 815** Pelvic lymph node decidua mimicking metastatic cervical cancer in pregnancy  
*K S Pfaendler, H J Williams*



## Images

- 817** Acute heart failure during lenvatinib plus pembrolizumab therapy  
*H Nakazawa, S Yamaguchi*

## Commentaries

- 818** Combining endometrial biopsy with colon cancer screening for patients with Lynch syndrome: framework for establishing a patient-centered approach to cancer screening  
*M D Ahsan, E Miller, F H Schnoll-Sussman, A L Betesh, M K Frey*

- 820** Importance of conization and pathological status  
*K Chikazawa, K Imai, T Kuwata, R Konno*

## Letters

- 821** Correspondence on 'Inside the war: life in Ukraine' by Shushkevich  
*R Mungmunpantipantip, A Kebayoon, V Wiwanitkit*
- 822** In memoriam: Charles Paul Morrow  
*A Maggioni, R Biffi, N Colombo*