

Current Problems in Cancer

Volume 41 ■ Number 1 ■ January-February 2017

Women's Cancer - Advancing Molecular and Immunotherapy

- 7 Editorial for "Current Problems in Cancer"
Oliver Dorigo, MD, PhD
- 8 Genomic insights in gynecologic cancer
Erika Roddy, BA, Jocelyn Chapman, MD
- 9 Introduction
- 9 Techniques in computational genomics
 - 9 Next-generation sequencing
 - 10 Genomic analysis
 - 10 Transcriptomic analysis
 - 11 Epigenetics
 - 11 Cell-free DNA
 - 12 MSI detection
 - 12 Computational methods in molecular analysis
- 13 Ovarian cancer
 - 14 High-grade serous carcinoma
 - 14 Molecular characteristics
 - 15 Molecular pathogenesis
 - 15 Molecular subtypes
 - 16 Platinum resistance and prognostic effects of molecular characteristics
 - 16 Mechanism of platinum cytotoxicity and cell repair
 - 17 Platinum sensitivity
 - 17 Platinum resistance
 - 18 Other targeted therapies
 - 18 Endometrioid ovarian tumors
 - 19 Clear Cell Ovarian Carcinoma
 - 19 Low-grade serous carcinoma

20	Mucinous carcinoma
21	Endometrial uterine cancer
23	Cervical cancer
24	Use in clinical practice
26	Conclusion
26	References
37	Targeting fibroblast growth factor pathways in endometrial cancer
	Boris Winterhoff, MD, Gottfried E. Konecny, MD
37	Introduction
38	FGF or FGFR biology and FGFR signaling
38	FGFR and angiogenesis
39	Angiogenic targets in EC
40	Potential of targeting the FGF pathway in EC
42	FGFR-targeted therapies in EC
42	Brivanib
43	Nintedanib
43	Dovitinib
43	Lenvatinib
44	Ponatinib
44	Next steps
45	Conclusions
45	Acknowledgments
45	References
48	Immunotherapy in ovarian cancer
	Venkatesh Krishnan, PhD, Jonathan S. Berek, MD, Oliver Dorigo, MD, PhD
49	Antibody therapy
49	Bevacizumab
52	Catumaxomab
52	Cetuximab and panitumumab
53	Tumor-associated macrophage–targeting antibodies
54	Immune checkpoint inhibitors
54	CTLA-4
54	PD-1 and PD-L1 axis
55	IDO
56	Identification of neoantigens for cancer immunotherapy
56	Vaccine strategies
56	Ex vivo DC vaccines
56	In vivo DC vaccines

Download English Version:

<https://daneshyari.com/en/article/5664212>

Download Persian Version:

<https://daneshyari.com/article/5664212>

[Daneshyari.com](https://daneshyari.com)