



High risk of developing cancer in young patients with fanconi anemia

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Abstract

Background: Fanconi anemia (FA) is a genetic disorder, autosomal recessive or linked to the X chromosome, which presents with pancytopenia, congenital malformations and predisposition to develop cancer.

Methods: We present the case of a 20-year-old female patient with Fanconi Anemia who developed gynecological and hematological neoplasms that were treated with surgery, radiotherapy and chemotherapy treatment in a limited manner due to the toxicity presented.

Results: The patient developed vulvar cancer and multiple clinical complications that prevented the application of full treatment leading to a fatal outcome.

Conclusions: Individuals with FA are at increased risk for a number of solid tumors and this risk is likely to be increased in those who have undergone hematopoietic cell transplantation (HCT). Routine cancer screening and preventive interventions eg, human papilloma virus (HPV) vaccination must be recommended. If a patient with FA develops a malignancy that requires chemotherapy and/or radiation therapy, dose reductions or alternative regimens are likely to be necessary.

Keywords: Fanconi anemia, pancytopenia, vulvar carcinoma, acute myeloblastic leukemia.

Biography

Ortega studied Medicine at the University of Murcia. She carried out her specialty in Obstetrics and Gynecology at the Virgen de la Arrixaca University Hospital. Her years working in the Obstetrics and Gynecological departments of Virgen de la Arrixaca University Hospital and Cartagena General University Hospital allowed her to gain exceptional insight on lower genital tract pathology and learn cutting-edge techniques in the field of gynecological oncology. She defended her doctoral thesis on the impact of the Papillomavirus vaccine in women treated for high-grade cervical lesions. Furthermore, Dr. Ortega obtained a university master's degree in Mastology from the International Menendez Pelayo University. Since 2018 she is the head of the Gynecology and Obstetrics service at the General University Hospital of Cartagena.

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