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## Pregnancy and breast cancer: Management and prognosis



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The term “pregnancy-associated breast cancer” is used if this cancer is diagnosed during pregnancy and up to one year after giving birth. This association was considered for a long time to be of rapid evolution and unfavorable prognosis. Breast surgery during pregnancy is complicated due to the hypervascularization of the gland during this period. Therefore, it imposes proper hemostasis and lymphostasis. The main effects of radiotherapy during the preimplantation period (from conception to 10 days) are represented by embryonic death and malformation risk during the embryonic phase (days 10-14 up to eight weeks). When chemotherapy is administered in the first trimester, the rate of malformations is 14% to 19%, and the rate dropped to 1.3% when chemotherapy is introduced in the second or third trimester. The literature reported a 3.8% of fetal malformations in this study, however; a protocol based on anthracyclines (up to 100 mg/m<sup>2</sup> but 50 mg/m<sup>2</sup> in most studies) appears to be prescribed without major materno-fetal consequences. In Tunisia, it accounts for about 30% of all female cancers. We report in this retrospective study a series of 25 patients with Pregnancy-associated breast cancer (PABC) recorded over 10 years at the Tunis Maternity and Neonatal Center (TMNC). In conclusion; it seems that, the prognosis of breast cancer is not much aggravated by pregnancy itself as by the delay in diagnosis and management. Treatment should be started promptly during pregnancy.

### Biography

Radhouane Achour is working as Associate Professor in the Faculty of Medicine at Tunis-Tunisia. He has published many basic and clinical articles in relation to Gynecology and Obstetrics. His research interests include rare diseases in gynecology and prenatal diagnosis. He serves as Associate Professor in the Emergency Department of Gynecology and Obstetrics in Maternity and Neonatology Center Tunis Tunisia. He also serves as Member of the Editorial Team for Asian Pacific Journal of Reproduction, the Global Journal of Rare Diseases, Journal of Neonatal Biology, Current Pediatric Research, Obstetrics and Gynecology: Open access, Pediatrics and Health Research and Member of the Science Advisory Board

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