

BREAST CANCER AND PREGNANCY (PABC))

ASSOC. PROF. STEFANOS ZERVOUDIS MD, PHD
SURGEON GYNECOLOGYST MASTOLOGYST
PRESIDENT OF MANOSMED
REA HOSPITAL ATHENS & IOANNINA UNIVERSITY ,GREECE

Pregnancy-associated breast cancer (PABC) is defined as any breast carcinoma diagnosed during pregnancy or during the first postpartum year. It occurs in 1 of 3000 pregnancies. Diagnosis is in general delayed many months by the patient and because the difficulty of clinical examination. Breast ultrasound is the major diagnostic method, mammography is possible with a shield, in contrast MRI is contraindicated with a contrast product. The diagnostic is done with core or open biopsy. Treatment mainly involves surgery and chemotherapy. The surgery procedure: modified radical mastectomy or conservative surgery with delayed radiotherapy (after the delivery) are both mandatory in contrast with sentinel node biopsy which is more controversy. Chemotherapy during the first trimester is not recommended since there is a possibility for spontaneous abortion, teratogenesis and fetal malformations. During later trimesters adjuvant or neo-adjuvant regimens can be used. Methotrexate, a powerful antifolate, is strongly contraindicated, by contrast protocols with anthracyclines AC, CAF, CEF are mandatory. Taxanes and in general avoided because a risk of malformation. Hormonotherapy (Tamoxifen) is also contraindicated and endocrine therapy should be delayed after the delivery. The prognosis of PABC is considered to be poor because the delay of diagnosis and the frequency of advanced stage of breast cancer in contrast with no pregnant women. Fertility after breast cancer depends on the age of the patient when breast cancer was treated and on the type of chemotherapy. Moreover the current advice for women with breast cancer is to wait two years after treatment before attempting conception.

MCQ 1 CHECK THE **WRONG PROPOSAL** REGARDING PABC

QCM1 COCHEZ LA REPONSE FAUSSE EN RAPPORT AVEC ``CANCER ET GROSSESSE``

1. Breast cancer in pregnancy diagnosis is delayed in comparison with breast cancer in non pregnant women
Le diagnostic de cancer du sein pendant la grossesse est retarde par rapport aux cancers du sein en dehors de la grossesse
2. Mammography is definitively contraindicated after the 4th month of pregnancy
La mammographie est absolument contraindiquée après le 4eme mois d grossesse
3. Core biopsy is better to be performed than FNAC
La biopsie percutanée(microbiopsie) est plus performante que la ponction cytologie
4. Prognosis is not worse than in no pregnant patients at the same stage of the disease
Le pronostic n`est pas moins favorable que chez les patientes non enceintes au même stade de la maladie

MCQ 2 CHECK THE **WRONG PROPOSAL** REGARDING PABC
QCM2 COCHEZ LA REponse FAUSSE EN RAPPORT AVEC ``CANCER ET
GROSSESSE``

1. PABC treatment is based on surgery and chemotherapy
Le traitement est base sur la chirurgie et la chimiotherapie
2. Chemotherapy without methotrexate is mandatory during the 2nd trimester
La chimiotherapie sans le methotexate est indiquee pendant le 2eme trimestre
3. **Hormonotherapy with Tamoxifen is indicated in RE+ RP+ before the delivery**
L` hormonotherapie avec Tamoxifene est indiquee en cas de recepteus
hormonaux positives, avant l` accouchement
4. Two years after the treatment of PABC a new pregnancy is allowed
Une nouvelle grossesse est autoris e deux ans apr s la fin du traitement