Awareness of breast reconstruction services for women with breast cancer who undergo mastectomy in Bahrain

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Most women who have had a breast mastectomy can have reconstruction. Women choose breast reconstruction for many reasons as to make their chest look balanced when they are wearing a bra or swimsuit and permanently regain their breast shape. In our part of the world, women are especially sensitive about the appearance of their body and the loss of such an important organ can be the source of immense psychological trauma. Breast reconstruction surgery is well-known in Sulmaniya Medical Complex (SMC) since 2 decades; however, it has not been utilized fully by women who underwent mastectomy for breast cancer. Some of the factors which may contribute to the reduced use of reconstructive surgery post-mastectomy include: Lack of awareness of the availability of such service in SMC, patient and surgeon attitude towards reconstructive surgery, patient belief, values and culture. Quantitative design was used and data was collected by using formulated questionnaire with a total sample of 66 patients in oncology acute health care settings in one of the hospitals in Bahrain. Interviews were conducted for both surgeon and plastic surgeon. I hope to improve mental health of women with breast cancer and help them cope and enjoy their life after mastectomy.

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Big data lake and cloud computing: Application to healthcare

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Big data is the new technology revolution that is changing the world. Big data technology has been created in order to analyze enormous volumes of structured and unstructured data that conventional technology has been incapable of coping with. This data is analyzed and processed at incredible capacity and speed using commodity computers. Big data will make it possible for healthcare providers to build data driven health information systems to make informed real time critical evidence-based decisions based on local and global data collected from various resources. Big Data Lake is even a newer concept of storing all data in a natural format and using it for various analytical purposes at any time in the future. The new trend is to combine big data lake and cloud computing in a hybrid fashion to empower caregivers to keep their sensitive data local and store and process public information on the cloud. This talk will focus on the big data lake and cloud computing and will highlight its huge impact on all aspects of healthcare including cost reduction, patient safety and improving healthcare outcomes.

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