

Modern Technologies in Breast Cancer Detection and Treatment

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Abstract. This article details the advantages of modern technology in the detection of breast cancer, which has a high incidence in women worldwide, the causes of the disease, the methods of treatment, and the implementation of preventive measures.

Key words: mammography, magnetic resonance imaging, hormonal therapy, genetic predisposition.

Modern in medicine breast gland cancer in determining modern innovative methods

Mammography

This method breast diseases , that's it including tumor Instrumental diagnosis of character to do for screening x-ray method . Mammography from the age of 40 increased all Women for yearly prophylactic inspection method as recommendation will be done . of the process to practice current up to 50 years of age has been Women in the middle breast diaper from cancer scientist level by 25 percent reduce enable gave [10].

Mammography will be held :

-from 40 years old increased women screening inspection during

-If the chest diaper to cancer doubt done if

- In the chest different different tumors diagnosis for

- Various tumors and cancer diseases treatment observation ,

35 years old has been in women , cancer to the disease sure doubt with .

Inspection menstruation of the era per day looking taken from the 5th to the 12th day. If a woman in menopause if so , mammogram each day done is increased . Mammography basically image get the image show and image storage in particular has [1]. Digital mammogram FFDM image electron to the file writing takes Digital mammographic images telemammography that known in progress electron transmission (for example , via the Internet) . possible [1,2,5]. using FFDM or SFM cancer determination level almost equal to [4,5], but FFDM chest diaper cancer describe and data system (BI-RADS) . disease about more precisely information will give . Har one from the cluster screened mammogram and digital mammogram is taken .

Screened mammography and digital mammography between maximum time the interval is 3 months organize is enough

Magnetic resonance tomography

Last 5 years inside breast gland cancer the disease in determining magnetic resonance using tomography (MRI). significant level increased . Magnetic resonance tomography breast diaper cancer ultrasound

inspection such as sure and to mammography than more precisely diagnosis can Magnetic resonance tomography intraductal spread another two method than more precisely determine takes [7,11,12] American one group researcher of scientists search during September 1, 1991 and 183 on November 30 , 2002 breast diaper to cancer played patients mammography , ultrasound inspection and magnetic resonance tomography methods done In this Magnetic resonance tomography gadolinium-diethylenetriamine in evaluation pentaacetic acid vein into sent [11]. Magnetic resonance tomography , mammography and ultrasound using breast cancer determination level suitable 93.7 % , 84.6% and 97.3 % respectively organize made (magnetic resonance to tomography relatively mammography , p 0.05).[11,12] Black tanned in women breast gland cancer determination difficult The reason black tanned Women dense breast tissues have , this while in mammograms breast cancer to determine to make it difficult reason will be Dense tissue cancer cells like in mammograms white the color shows and of a radiologist tumor determine it becomes difficult . As a result wrong not placed diagnosis later on big to tumors and of treatment to the delay take coming can

Hormone of therapy

Chest diaper cancer for hormone therapy to hormones sensitive has been breast to cancer effect show Doctors such ER- positive (estrogen receptor-positive) cancers cancer) or PR- positive (progesterone receptor-positive cancer) . is called This is a breast cancer progesterone and like estrogen hormones by increase shows . Hormone therapy cancer growth stops or slows down . Chest diaper cancer from the operation before tumor size reduces Hormone therapy from surgery after about 5 years during done is increased . from 5 years a lot treatment cancer relapse danger high has been to women is used . Chest diaper cancer from surgery after again when developed or of the body another to the parts when spread , hormone therapy is used .

Chest diaper cancer for hormone of therapy useful sides :

- Cancer of the disease to return prevention get
- From the operation before cancer size reduce
- Scattered cancer growth slow down or stop it
- Other breast in the tissues cancer development risk reduces

Chest diaper cancer for hormone of therapy negative effect

The widest spread out of medicine (Tomoxifen) . negative to the effect the following includes :

- In the body hot leave signs appear to be
- Night sweat status
- Vaginal discharge in women coming
- Premenopausal in women out of order periods .
- Tired .

Illness reasons

Researchers breast diaper of cancer reasons seeing from the age of 35 at the exit small black tanned Women what for white tanned from women two even a lot breast diaper to cancer be played and white tanned to women than three even a lot breast gland from cancer scientist observation reason about research take goes .[8]

Disease prevention get remedy events

in 2014 publication done studies that's it showed that he is healthy marriage style compliance to do to the disease playing hafini reduces .[9] Alcoholic to drinks lipstick put in women alcohol drinks consumption who does not to women compared to , chest gland cancer to meet danger approx one half even many .[13] Few oily food consumption to do breast gland cancer development prevention in getting recommendation is given Fat content less has been diet not only obesity risk reduces , perhaps breast gland cancer also reduces the risk . It is known that estrogen breast diaper cancer in development big role plays and in adipose tissue known in quantity hormone there is . Until now fat consumption of doing common effect and breast diaper cancer risks about sure information there is not , but many

studies that's it shows obesity breast cancer in development big role plays said to the conclusion came .[14]

Summary

Chest gland of cancer in development early and efficient in methods the disease in determining modern technologies current to achieve Healthy marriage style compliance to do Of the disease prevention get remedy events work exit in order to the city and edge in the village is located in hospitals working medical illness to employees about to the population explanation their work take to go hard control under get Women per year at least one times mammologist apparently pass it is necessary

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