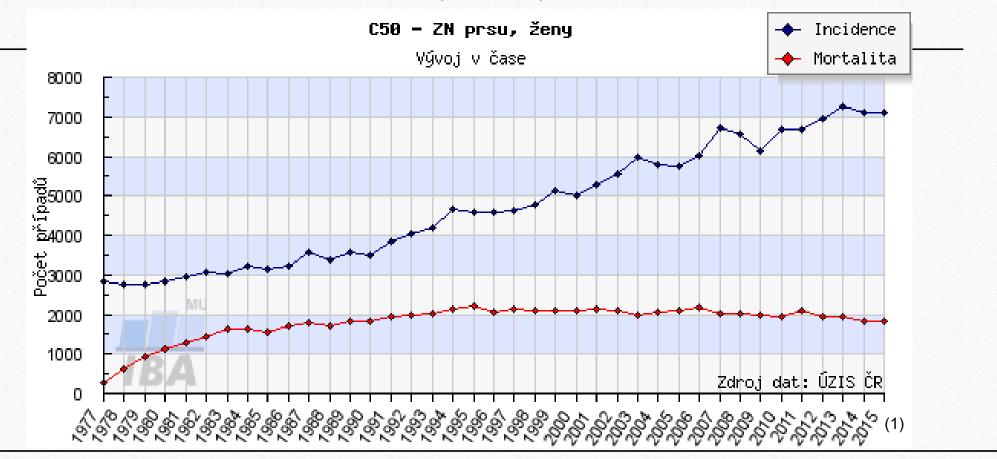
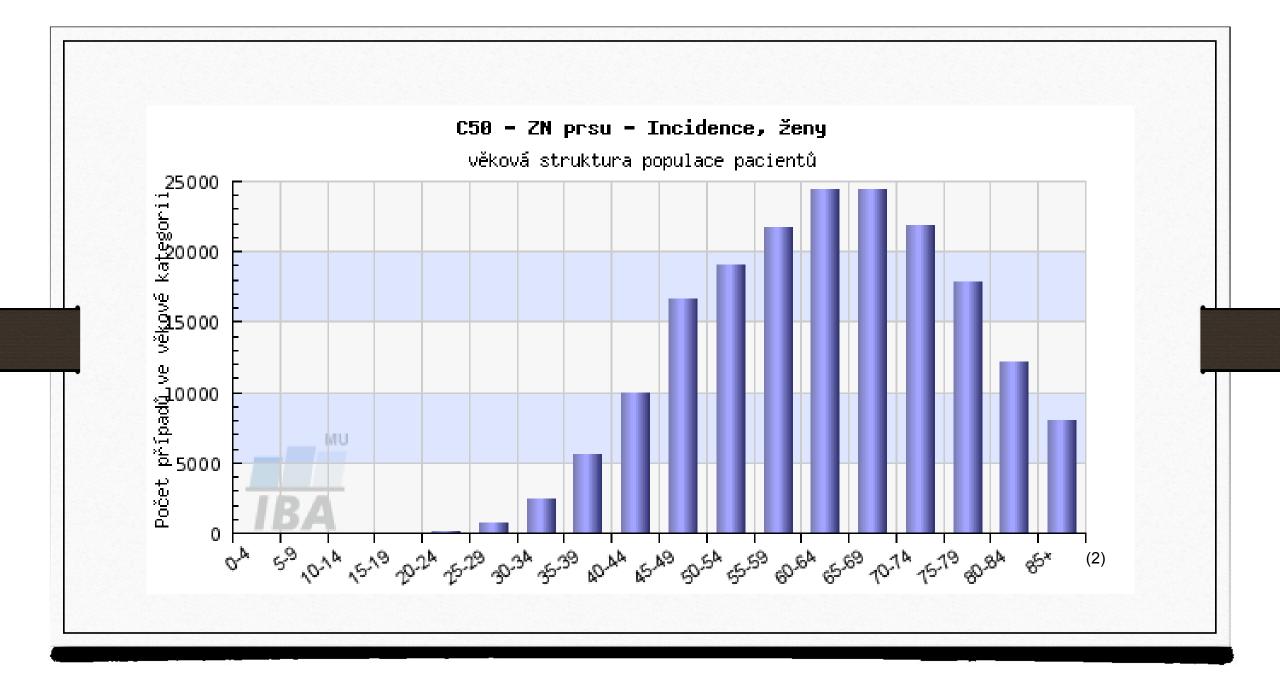


Occurrence of breast cancer

Breast cancer is the most frequent neoplastic disease in women!





Risk factors and symptoms

Risk factors

- Sex, age
- Inheritance
- Hormonal substitution treatment
- Inadequate diet
- Obesity, low physical activity
- Smoking
- Absence of breastfeeding, late or no pregnancy
- Early menstruation, late menopause

Symptoms

In case any change is observed, a gynaecologist or general practitioner must be consulted!

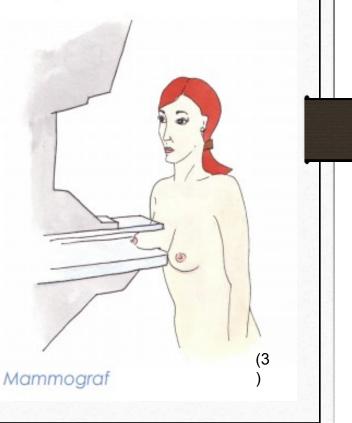
- Painless lump most frequent symptom
- Pain, enlargement of breast
- Retracted skin or nipple
- Pockmarks, scales, swelling of breast
- Discharge or bleeding from the nipple
- Long-term eczema on the breast, redness
- Enlargement of lymph nodes above the collar bone and in the armpit

Primary and secondary prevention

- Primary prevention
 - Observing general principles of prevention of neoplastic diseases
- Secondary prevention
 - Breast cancer screening = mammography
 - Self-examination of breasts

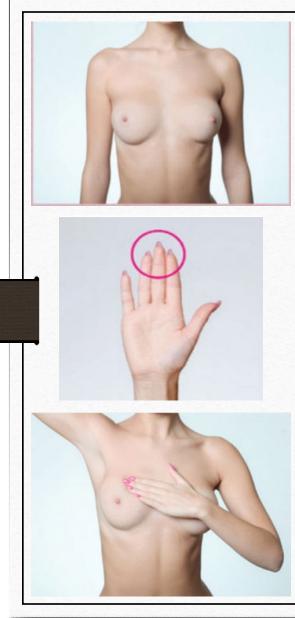
Mammographic examination

- Regular preventive examination of breast cancer
- Examination of the mammary gland in women without symptoms
- Early detection of breast tumour
- Examination based on screening of both breasts
- Free of charge for women over 45 years
- Performed once every two years



Self-examination of breasts

- During self-examination, focus is on any changes in breasts, especially the mentioned symptoms.
- Performed regularly every month, ideally on the second or third day after menstruation when the breasts are not subject to tension.
- Self-examination should be performed after showering with warm water.



The first step is visual inspection, appearance of the breasts is checked in front of the mirror. Then palpation is performed, first in the standing position in front of the mirror, then in the lying position.

The examination is performed by the pads of the three middle fingers, the whole breast is examined, each breast separately.

One hand is placed behind

the head and the whole

beast is examined by the

other hand using circular

movements.



The nipple is examined by gently pressing it to check for any discharge.



It is necessary to examine the armpit and the area around the collar bone. Lymph nodes in the armpit are palpated, then the pit above the collar bone and the region above the sternum.



<u>Self-examination of breasts –</u> video (4)

References

- Rakovina prsu. Vitalion [online]. c2018 [cit. 2018-06-19]. Retrieved from: https://nemoci.vitalion.cz/rakovinaprsu/
- Samovyšetření prsu návod pro ženy. Mamma Help [online]. c2017 [cit. 2018-05-04]. Retrieved from: http://www.mammahelp.cz/prevence/samovysetreni-prsu/samovysetreni-prsu-navod-prozeny/?gclid=EAIaIQobChMI48aWifjf2wIV1oKyCh2oogAQEAAYAiAAEgIfePD_BwE
- Mamografické vyšetření. Mamo.cz [online]. 2018, 20. 8. 2014 [cit. 2018-05-08]. Retrieved from: http://www.mamo.cz/index.php?pg=pro-verejnost--mamograficke-vysetreni
- Mamma Help [online]. c2017 [cit. 2018-05-10]. Retrieved from: http://www.mammahelp.cz/

Figures:

- (1), (2): Novotvary 2015 ČR [online]. Praha: Ústav zdravotnických informací a statistik ČR, 2015. [cit. 30/04/2018]. Retrieved from: http://www.uzis.cz/publikace/novotvary-2015
- (3), (4): Mamma Help [online]. c2017 [cit. 10/05/2018]. Retrieved from: http://www.mammahelp.cz/