

## Breast cancer in young women – retrospective study

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**B**reast cancer is the most common malignancy of the female population the incidence is increasing mainly statistically between 50s and 60s, 60s and 70s. Recently, however, we meet more often with the occurrence of breast cancer in women in 30s and significantly between 20 and 40 year. For women this age range is not exist preventive or screening mammography, in Slovakia only sonography and only clinical self- examination by touch. In period from 1-5- 2005 and 30-6-2016 we performed more than 70 000 mammography examinations and more than 185 000 ultrasound examinations. The youngest patient was 6mons, the oldest 94 years. Patients were sent for examination by attending gynecologist, general practitioner. Preventive examinations completed asymptomatic women without clinical symptoms. Young women and girls were examined by ultrasound with 18 MHz linear probe, with CFM and elastography. Next if necessary, we performed mammography, MR-mammography a CCB too. During the monitored period we diagnosed 398 new cases of the breast cancer, all cases are verified by histopathology. The age distribution of patients with newly diagnosed cancer we transparently stored in tables and graphs. We focused on women in the age group to 39 and 49 year old. In category women between 18s and 39s we diagnosed 32 new cases of breast cancer, between 40s

and 49s 64 cases. Summary are 86 of new cases of the breast cancer in women between 18 and 49 years. We analyzed the different findings, especially with respect to possibility of diagnostic self-examination, combined with ultrasound, MR mammography, mammography and core cut biopsy under ultrasound control. The number of the young women with new diagnosed breast cancer slowly increased. Our aim is the early diagnostics, without vascular cancer vascular invasivity, without the lymphadenopathy. We retrospectively focused on genetic anamnesis factor, short time of the diagnosis and therapy.

### Speaker Biography

Jana Slobodnikova end study on Charles University in Prague., graduated -CSc/PhD/ completed at the age 38 years from Institute of Experimental Oncology Slovak Scientific Academy. She is an Ass. Prof. in Trnaviensis University, Prof. Emeritus in St. Elizabeth High School. She has lectured at several universities - Prague, Trenčín, Trnava and Bratislava. She is the author of teaching script, university textbooks; she has lead workshops, organize international congresses and workshops. She has published more than 90 scientific papers, from then 25 papers in renowned journals and has been serving as a 5 Editorial Board Member of repute. She has published three monography, founded the section of breast imaging in 1996, from 1996 she is President of The Section of Breast Imaging of Slovak Radiologic Society and Vice President of the Slovak Society of Ultrasound in Medicine. Membership in organizations: ECR, EUSOBI, EFSUMB, SSUM (Slovak Society of Ultrasound in Medicine) and SRS (Slovak Radiology Society).

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