Cancer Prediction Accuracy of Thyroid Ultrasonography

The ratio of the number of cases diagnosed as a thyroid cancer within one year after health checkup to the number of cases received the biopsy at SNUBH according to the recommendation of thyroid ultrasonography done at the Health Promotion Center
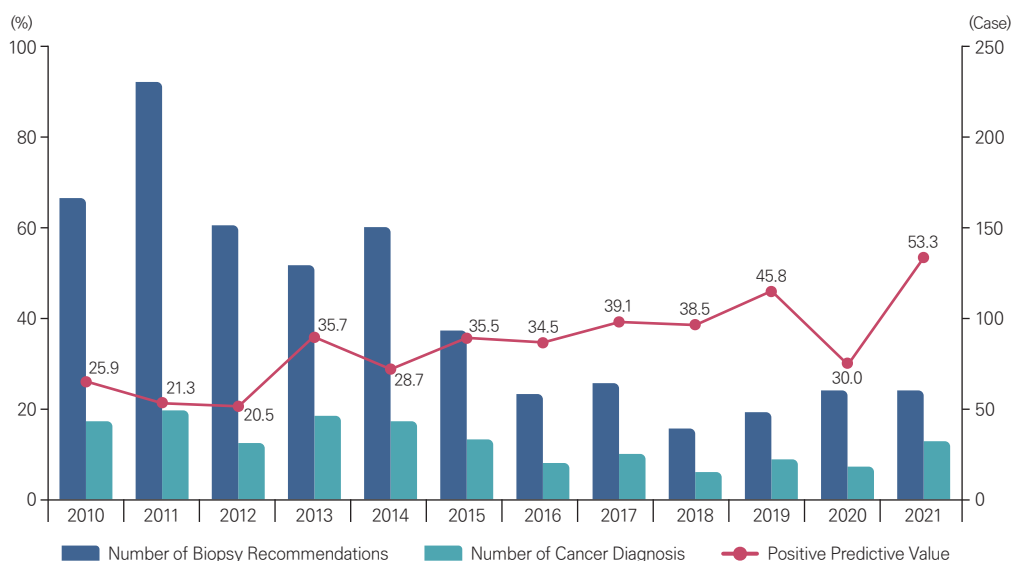
Definitions

◆ **Biopsy recommendation:** Recommendation of biopsy as soon as possible.
◆ **Diagnosis within a year:** Based on the results of biopsy and surgical pathology. Diagnosis after a year is excluded.

Result — January 1, 2010 – December 31, 2021

Legend: Number of Biopsy Recommendations, Number of Cancer Diagnosis, Positive Predictive Value

Interpretation

◆ The number indicates the accuracy of predicting thyroid cancer by thyroid ultrasound.

Improvement

◆ Analyzing and sharing of the radiological differences between the cases diagnosed as cancers and the cases not diagnosed as cancers.
◆ Analyzing and sharing of the radiological differences between thyroid cancer types.
◆ Negative predictive value should also be estimated.

Data source SNUBH EMR (Electronic Medical Record), CDW (Clinical Data Warehouse)

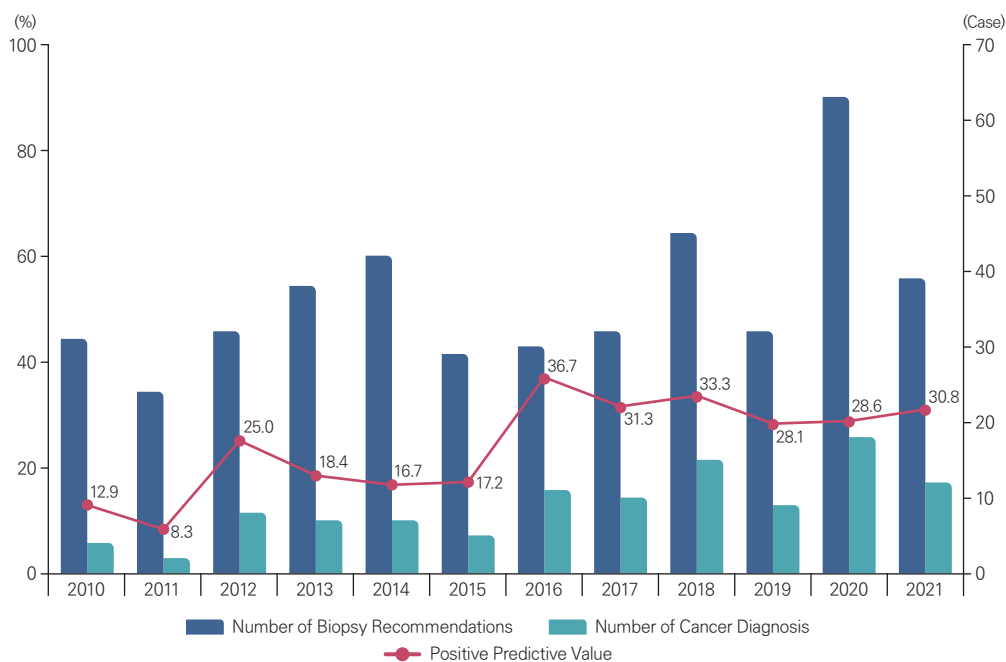# Cancer Prediction Accuracy of Breast Ultrasonography

The ratio of the number of cases diagnosed as a breast cancer within one year after health checkup to the number of cases received the biopsy at SNUBH according to the recommendation of breast ultrasonography done at the Health Promotion Center

Definitions

◆ **Biopsy recommendation:** Recommendation of biopsy as soon as possible.
◆ **Diagnosis within a year:** Based on the results of biopsy and surgical pathology. Diagnosis after a year is excluded.

Result

January 1, 2010 – December 31, 2021

Legend: Number of Biopsy Recommendations; Number of Cancer Diagnosis; Positive Predictive Value

Interpretation

◆ The number indicates the accuracy of predicting breast cancer by breast ultrasound.

Improvement

◆ Analyzing and sharing of the radiological differences between the cases diagnosed as cancers and the cases not diagnosed as cancers.
◆ Analyzing and sharing of the radiological differences between breast cancer types.
◆ Negative predictive value should also be estimated.

Data source SNUBH EMR (Electronic Medical Record), CDW (Clinical Data Warehouse)