

Radiation Index

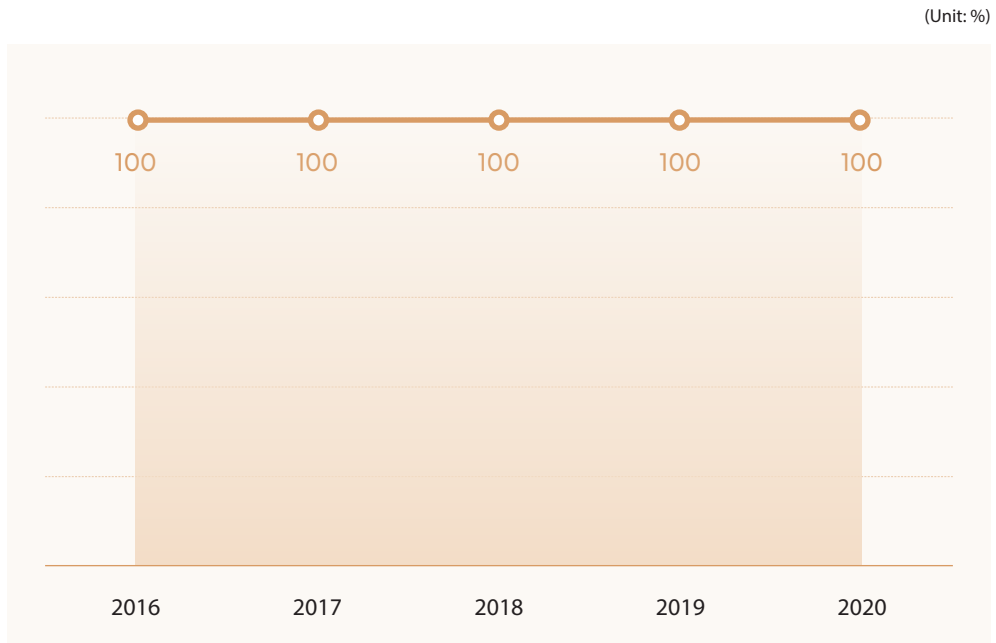
1

Accuracy rate of radiotherapy machine output according to international external audit institution

Index definition Accuracy rate of radiotherapy machine output evaluated by an international external audit institution

Description An international external audit institution evaluates the accuracy of radiotherapy machine output for cooperative research groups participating the cancer treatment evaluation program. SNUH maintains high quality in medical care by managing the rate of measured and reported doses within the error margin of $\pm 5\%$.

Note: Determined to have passed the evaluation when the output measured with the measuring machine sent by the external audit institution and the output results reported to the institution is within $\pm 5\%$



Calculation **Numerator** Radiation that passed the international external audit
Denominator Radiation that can irradiate, including radiotherapy machines

Exclusion **Denominator** Radiation that was not included in the international external audit

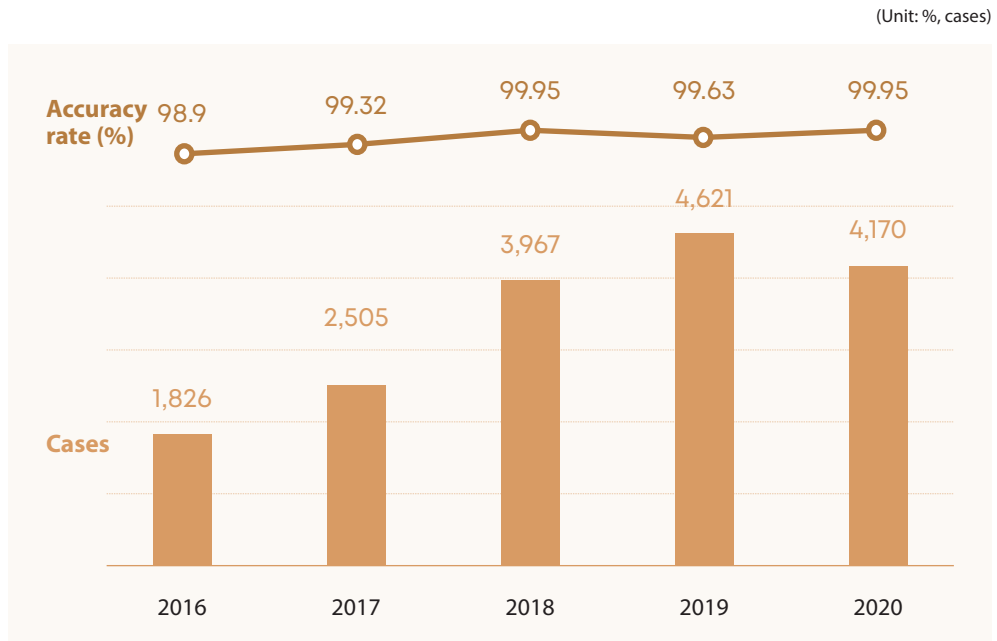
2

Accuracy rate and number of patient-specific quality assurance

Index definition Accuracy rate and number of quality assurance of treatment plan for patients admitted to the Radiation Oncology and received radiotherapy

Description The number of quality assurance for patients subject to intensity-modulated radiation therapy that reduces the radiation to normal tissues and sends an optimized dose to the treatment area is gradually increasing. Using the gamma passing rate evaluation, SNUH maintains high-quality medical care with an accuracy rate of over 90%.

Note: Determined to have passed the evaluation when the quality assurance of the gamma passing rate is over 90%



Calculation **Numerator** Accuracy rate: Number of treatment plans with over 90% in the gamma passing rate
Denominator Number of quality assurance for patient treatment plans