

Elekta K.K.



- Address: Minato-Ku, Tokyo
- Employees: 143
- Established in 1993
- Business: Sales and maintenance of radiation therapy products

<https://www.elekta.co.jp/>

Outline of the demonstration project

- Project SPECTRA (Sustainability Practice for Enhancing Cancer Therapy) aims to digitalize existing training interactions through digitalization that are typically done face-to-face to improve treatment planning quality to be an acceptable level.

Cooperation with local companies/governments

- Local Partner : Siriraj Hospital of Mahidol University
- Details of cooperation and collaboration : Elekta has a training agreement with a Siriraj Hospital of Mahidol University in Bangkok, Thailand, which permits Elekta to organize training courses of Radiation therapy treatment plans against many type of cancers for most of hospitals in Thailand by using Elekta's cloud platform DX technologies and the clinical experts in Siriraj Hospital as the teaching faculty. Also, Elekta is targeting to eradicate of cancers in Thailand by expanding radiation therapy treatment and its enhancement throughout cooperation & feedback with oncologist experts.



Targeted economic/social issues

- Recently, there's about 170 thousands of cancer patients every year out of 70millions population in Thailand. We sees a high incidence of liver, lung, breast, and cervical cancers, which patients are dramatically increasing. Debilitating disease that has an enormous impact on low and middle-income countries (LMICs).
- As Secretary General of the WHO announced in 2020, we should reduce cervical cancer alone accounts for 90% of its victims in LMICs, and realize society without cervical cancer for benefit to society is taken into account.
- Thus, Radiation Therapy plays very important role in effective treatments to cancers.

Details of demonstration

- Radiation therapy treatment plans are formulated to provide accurate radiation delivery based on the patient's specific condition and tumor characteristics. The appropriate treatment plans provide right dose to the tumor and minimize damage to healthy tissues. On the other hand, treatment planning is a complex process and the quality varies depending on the clinicians. Therefore, standardization of radiation therapy plans is an urgent task, especially in ASEAN countries, where the introduction of radiation therapy is accelerating

Expected outcome of beneficiary effects

- The project will result in an expansion of Elekta's customer base as more hospitals join the digital network. There will be a massive improvement in training cost-effectiveness, reduction of training down time, and increased access for patients in the provinces to the clinical experts in Siriraj .