

Building a Management System for Medical Equipment in Indonesia

- ① Airlangga University Hospital (AUH) has successfully realized a system of continuously providing its patients with purified dialysate, thanks to the engineers educated in this project from 2018 to 2020. The Ministry of Health of Indonesia responded to this achievement and established the country's first national dialysis water quality standards. In 2022, an online seminar was conducted, aiming to spread medical equipment management technology to the East Java region, which attracted more than 190 participants from healthcare institutions other than AUH.
- ② We aim to improve hemodialysis treatment by improving engineers' knowledge/techniques for dialysate purification, and to establish a system to provide human resource development training within AUH equivalent to that of Japanese clinical engineers to expand the market for Japanese hemodialysis machines and other equipment.
- ③ The project aims to build a model system based on AUH's medical equipment management system and dialysate purification system and disseminate it to medical institutions in East Java. St. Mary's Hospital will spearhead the project and support AUH to complete the engineer education system and to hold training courses for other medical institutions with the cooperation of relevant organizations.
- ④ By Jan. 2024, participating institutions are expected to 1) have purified dialysate and 2) establish a medical equipment management system, thereby improving the prognosis of many patients and introducing Japanese-made equipment. It is also expected to lead to the establishment of a qualification system for engineers.

