

Human resource development in pediatric surgery and anesthesia its related areas in Mongolia Year 2 of a 3-Year Project

1. Project Objectives

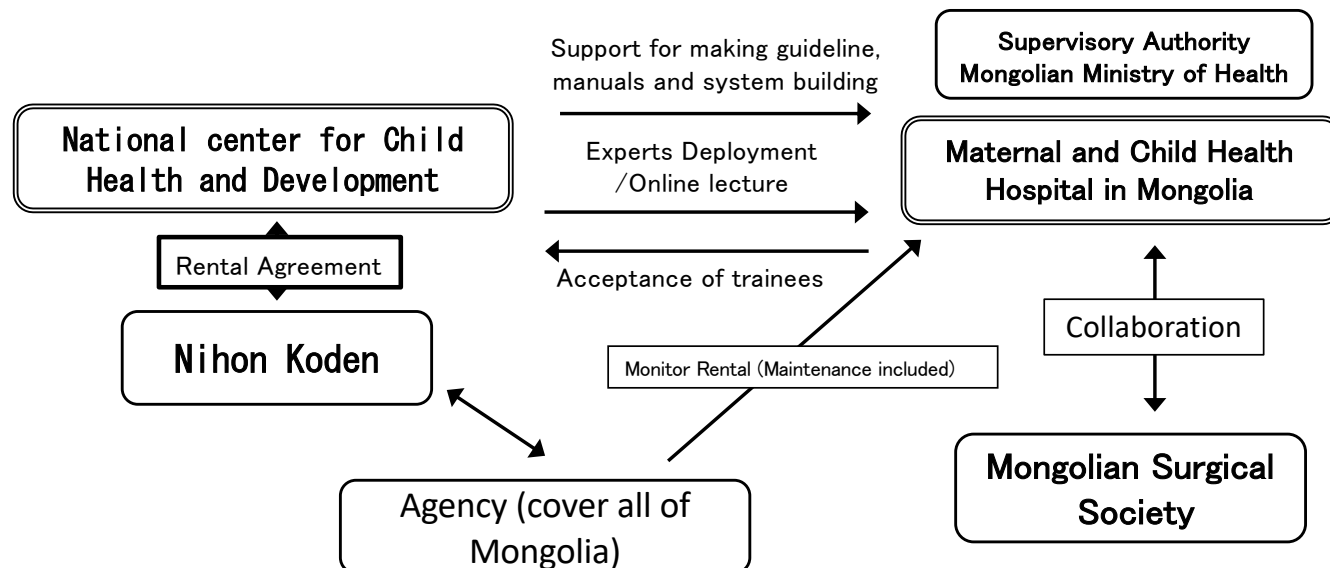
- Strengthen surgical skills, including minimally invasive surgery, for neonatal, critically ill, and pediatric tumor cases and introduce structured education and training systems
- Provide guidance on perioperative management based on PALS principles, including Neuromuscular monitoring and Use of ETCO₂ monitoring
- Establish appropriate medical equipment maintenance systems

2. Project Summary

- Provide training in pediatric surgery (including minimally invasive surgery), perioperative anesthesia management including critically ill cases, medical equipment maintenance systems
- The National Center for Child Health and Development (Japan) conducts training for the Maternal and Child Health Hospital in Mongolia (Departments of Surgery and Anesthesia)
- Collaboration with the Mongolian Surgical Society to disseminate training outcomes nationwide

3. Expected Outcomes / Impact

- Development and utilization of perioperative anesthesia manuals, management protocol, surgical techniques and educational systems
- These will be used for training and education in anesthesia and surgery across Mongolia. Improved awareness and implementation of Medical equipment maintenance systems
- Appropriate use of medical resources in hospitals and healthcare facilities.

**Training Plan for FY2026 (R8)****October:**

Acceptance of trainees (7 participants)
→ 1-month training at the National Center for Child Health and Development

Online lectures (held in non-travel months):

Pediatric endoscopic surgery, airway surgery, tumor surgery, neonatal surgery, Case conferences for severe/critical cases, anesthesia and perioperative management, and other pediatric internal medicine fields (e.g., infectious diseases, gastroenterology)

May, September, January:

Dispatch of experts
(May & January: 3 members each / September: 5 members)
→ Surgical training in pediatric surgery and management of severe cases, including anesthesia and perioperative care, and dissemination of knowledge within Mongolia