A Proposal Enhancing In-house Ecosystem Supporting Biorepository and Real World Data-Driven Clinical Studies in A Community-based Cancer Hospital along with ISO15189 Accreditation

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Background

Statement of Problem

✓ Acquiring the real world data is of importance for clinical studies ever before in the community hospital (1).
✓ The hospital integrated biorepository strongly assists ‘real world data’-driven clinical studies. The hospital-integrated biorepository (2); however, is not easy to be maintained in community hospitals due to limitations of sustained budget and understanding of hospital staff.
✓ There is a barrier in the standardization of procedures between existing core service departments such as clinical laboratory, pharmacy and administration.
✓ Benefits of ISO accreditation in the clinical laboratory is not sufficiently shared with personnel in core service departments in a community hospital.

Methods

Proposed Solution

✓ The following mechanisms of procedures are proposed to implement biorepository in a community hospital and to improve quality of care and clinical studies as well, along with the extension of knowledge obtained during ISO15189 acquisition for the clinical laboratory (3).

#1. Standardization of procedures for document control among people in hospital administration including management office for clinical studies

#2. Extraction of common procedures from existing core service departments such as temperature control of refrigerators/freezers and access control of personnel

#3. Preparing and implementing standardized common procedures across core departments for practices extracted in #2.

#4. Adapting the common procedure prepared in #3 into the biorepository program

Conclusions

✓ Standardized common procedures across core clinical service departments are expected to improve quality of care as well as real world data-driven clinical studies, which enhancing implementation of hospital-integrated biorepository if the standardized procedures are efficiently shared within core service department in community hospitals.

REFERENCES