



Introduction and research highlights

Department of Pediatrics provides multidisciplinary medical services ranged from neonates to adolescents. Our department has 70 pediatricians who have expertise in providing medical service and performing researches regarding extremely low birth weight newborns, transplantations of liver, kidney and hematopoietic cell, critical care services as well as allergy, immunology and other ambulatory services. We have published a wide range of researches from basic researches, translational researches or clinical researches as well as medical education researches and community researches. Nowadays, we have two main groups of excellent research groups in our department; Transplantation and well child-care service.



Research area I

Clinical researches regarding pediatric problems are the main research questions in our department. Providing medical services for neonates, children and adolescents have many difficulties so we always have questions to explore concerning how to diagnose, investigate or treat pediatric patients with a wide range of diseases from a simple one as a well child-care service or acute ambulatory problems to a sophisticated service as transplantation of solid organs.

List of clinical research topics/questions

- ▷ Pediatric hemostasis
- ▷ Pediatric oncology
- ▷ Child health supervision
- ▷ Ambulatory blood pressure monitoring
- ▷ National registry of childhood spinal muscular atrophy (SMA)

Research area II

Basic researches in our department are various ranging from the biology of cells including stem cells to the omics of proteins, transcription factors or genes

List of basic research topics/questions

- ▷ Stem cell biology
- ▷ Regenerative medicine

Research area IV

Medical education researches are another field of research which our faculty has conducted and published.

List of medical education research topics/questions

- ▷ Ramathibodi's mentoring system: need assessment for improvement
- ▷ Peer assessment in Thai context
- ▷ Medical education

Research area III

Translational researches related to childhood diseases, mainly related to hematologic and oncologic disorders. We are conducting several researches using bench work to help children and adolescents.

List of translational research topics/questions

- ▷ Cell and gene therapy
- ▷ Cellular immunotherapy
- ▷ Chimeric antigen receptor-modified T cells

Research area V

Innovation in our department are not limited to pediatric area. Our faculty are interested in information technology

List of innovation research topics/questions

- ▷ Healthcare IT
- ▷ Education IT

Contact

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