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Academic status Assistant professor of Orthopedics
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Education

- Doctor of Medicine
: Mahidol University, Thailand
: June 1, 1997 – May 31, 2002
- Diploma of the Thai Medical Board in Orthopedics Surgery
: Department of Orthopedics Surgery, Faculty of Medicine Vajira Hospital,
Navamindradhiraj University, Thailand
: June 1, 2006 – May 31, 2009
- Certificate in basic science of surgery
: The Royal College of Surgeons of Thailand, 2006
- Certificate in Adult Reconstructive Hip Knee Surgery Fellowship Program
: Department of Orthopedics Surgery, Faculty of Medicine Vajira Hospital,
Navamindradhiraj University, Thailand
: July 1, 2012 – June 30, 2014
- Master degree in Clinical Epidemiology, International program. Section of

Clinical Epidemiology and Biostatistics, Faculty of Medicine Ramathibodi Hospital, Mahidol University.

: August 1, 2016 – August 8, 2018

- Adult Reconstructive Surgery Fellowship Program
: The Avenue Hospital and Malabar Orthopaedics Clinic
Melbourne, Victoria, Australia
: January 1, 2019 - December 31, 2019
- Visiting Training Program in Adult Reconstructive Hip and Knee Surgery
: Rothman Institute, Thomas Jefferson University
Philadelphia, Pennsylvania, USA
: January 1, 2020 – March 31, 2020
- The SIDCER-FERCAP Global Fellowship program of Ethical Issue in clinical research
: April 25, 2022 – August 29, 2022

Professional Experience

- June 1, 2002 – May 31, 2003
: Medical doctor, Chaiyapum Hospital, Chaiyapum province, Thailand
- June 1, 2003 – May 31, 2006
: Medical doctor, Phak-dee-chum-pol Hospital Chaiyapum province, Thailand
- June 1, 2009 – June 30, 2012
: Orthopaedics doctor, Photharam Hospital, Rachaburi Province, Thailand
- August 17, 2015 – Present
: Instructor and attending staff orthopaedics surgeon
Adult reconstructive Hip Knee section, Department of Orthopaedics Surgery, Faculty of Medicine Vajira Hospital, Navamindradhiraj University, Thailand
- May 2020 – Present
: Membership of Vajira Institutional Review Board (Ethic Committee)
Faculty of Medicine Vajira Hospital, Navamindradhiraj University, Thailand

Professional Membership

- Thai Medical Council

- The Royal College of Orthopaedics Surgeons of Thailand
- Thai Hip Knee Society

Interested fields

- Adult Reconstructive Hip Knee Surgery
- Hip fracture in elderly population
- Trauma Orthopaedics Surgery
- Clinical Epidemiology and Biostatistics

Textbook Chapters

1. Pinless option in CAS-TKA.
Textbook of CAOS Thailand 1st edition
2. Component alignment in TKA.
Textbook of Hip and Knee Surgery.
The Royal College of Orthopaedics Surgeon of Thailand
3. Dual mobility in Total Hip Arthroplasty.
Textbook of The Royal College of Orthopaedics Surgeon of Thailand
4. Periprosthetic fracture in Total Knee Arthroplasty.
The 4th Instructional Course Lecture.
The Royal College of Orthopaedics Surgeon of Thailand
5. New Trend in Total Hip Arthroplasty
The 6th Instructional Course Lecture.
The Royal College of Orthopaedics Surgeon of Thailand

Research Publication

1. Pruk Chaiyakit MD, Surapoj Meknavin MD, **Natthapong Hongku, M.D.** A Comparison of Early Clinical Outcome between Computer Assisted Surgery and Conventional Technique in Minimally Invasive Total Knee Arthroplasty
2. Satit Thiengwittayaporn, MD, **Natthapong Hongku, MD**, Umaporn Uawisetwathana, PhD*, Pichai Sansawat, MD When to Use a Condylar Constrained Insert in Non-Stemmed Posterior-Stabilized Total Knee Arthroplasty
3. Satit Thiengwittayaporn, MD, Pitch Tangtrakul, MD, **Natthapong Hongku, MD**, Revit Tunyasuwanakul, MD. Patellar Denervation Reduces Postoperative Anterior Knee Pain after Patellar Resurfacing Total Knee Arthroplasty: A Randomized Controlled Trial. Journal of

Arthroplasty. Published: October 27, 2020

DOI:<https://doi.org/10.1016/j.arth.2020.10.046>

4. Satit Thiengwittayaporn, Pinyong Uthaitas, **Natthapong Hongku**, Revit Tunyasuwanakul, Ploynapas Limphunudom & Fontip Leelachiewchankul. Indwelling urinary catheterization was unnecessary in non-drainage total knee arthroplasty: a randomized controlled trial. Archives of Orthopaedic and Trauma Surgery (2020) DOI: 10.1007/s00402-020-03677-z
5. Chompunoot Pathonsamit, MD, Ittiwat Onklin, MD, **Natthapong Hongku**, MD, Pruk Chaiyakit, MD. Randomized Double-Blind Controlled Trial Comparing 0.2 mg, 0.1 mg, and No Intrathecal Morphine Combined With Periarticular Injection for Unilateral Total Knee Arthroplasty. Open Access. Published: December 23, 2020. DOI:<https://doi.org/10.1016/j.artd.2020.11.008>
6. **Natthapong Hongku, M.D.** Patarawan Woratanarat, MD, PhD Lertkong Nitiwarangkul, MD Sasivimol Rattanasiri, PhD Ammarin Thakkinstian, PhD. Fracture Fixation versus Hemiarthroplasty for Unstable Intertrochanteric Fractures in Elderly Patients: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials. Orthopaedics & Traumatology: Surgery & Research. Available online 30 January 2021, 102838 <https://doi.org/10.1016/j.otsr.2021.102838>
7. **Natthapong Hongku**, Pruk Chaiyakrit, Athaphol Sriwattana, Surapoj Meknavin
Efficacy of Combined Direct Intra-articular Infusion of Tranexamic Acid and Drainage Clamping in Reduction of Blood Loss after Total Knee Arthroplasty
Vajira Medical Journal: Journal of Urban Medicine Vol. 65 No. 2 (2021): MAR - APR 2021. P107-116
8. **Natthapong Hongku**, Pruk Chaiyakrit, Chaipipath Senwiruch
Gap and Angulation Change in Total Knee Arthroplasty after Tibia Component Undersizing and Lateralization in Flexion Gap and Extension Gap in Cruciate Retaining Total Knee Arthroplasty Using Computer-Assisted Surgery: Cadaveric Study
Vajira Medical Journal: Journal of Urban Medicine Vol. 65 No. 2 (2021): MAR - APR 2021. P117-126
9. Satit Thiengwittayaporn M.D, Nattapol Sumranwanich M.D., **Natthapong Hongku M.D.**, Pichai Sansawat M.D.

Onlay Patellar Resurfacing in a Posterior-Stabilized Total Knee Arthroplasty increases Patellar Crepitus Complication: A Randomized, Controlled Trial.

Journal of Arthroplasty. May 27, 2021.

<https://doi.org/10.1016/j.arth.2021.05.031>

10. Pruk Chaiyakit, Surapoj Meknavin, **Natthapong Hongku**, Ittiwat Onklin

Debridement, antibiotics, and implant retention combined with direct intra-articular antibiotic infusion in patients with acute hematogenous periprosthetic joint infection of the knee

BMC Musculoskeletal Disorders (2021) 22:557.

<https://doi.org/10.1186/s12891-021-04451-x>

11. Sutee Thaveepunsan M.D, **Natthapong Hongku M.D**

Assessment of Teaching Process Modification in Orthopedic Surgery (BMOR 501) and Clinical Experience in Orthopedic Surgery I (BMOR 512) Courses During the Corona Virus (COVID-19) Outbreak among the Fifth-Year Medical Students in 2020, Department of Orthopedic, Faculty of Medicine Vajira Hospital, Navamindrahiraj University

Vajira Medical Journal: Journal of Urban Medicine. Vajira Med J. 2021; 65(3): 235-44

<http://dx.doi.org/10.14456/vmj.2021.22>

12. Satit Thiengwittayaporn M.D, Pinyong Uthaitas M.D, Chaipipathn

Senwiruch M.D, **Natthapong Hongku M.D**, Revit Tunyasuwanaikul M.D

Imageless robotic-assisted total knee arthroplasty accurately restores the radiological alignment with a short learning curve: a randomized controlled trial.

International Orthopaedics Published: 15 August 2021.

<https://doi.org/10.1007/s00264-021-05179-y>

13. Lertkong Nitiwarangkul, **Natthapong Hongku**, Oraluck Pattanaprteep,

Sasivimol Rattanasiri, Patarawan Woratanarat, Ammarin Thakkinstian

Which approach of total hip arthroplasty is the best efficacy and least complication?

World Journal of Orthopedics 2024 January 18; 15(1): 73-93

DOI: 10.5312/wjo.v15.i1.73