

Krit Boontanapibul, M.D. (Associate Professor)

รองศาสตราจารย์ นายแพทย์ กฤต บุญธนาพิบูลย์

Adult Hip and Knee Reconstruction Surgery

ศัลยแพทย์ชำนาญการด้านการผ่าตัดเปลี่ยนข้อสะโพกและข้อเข่าเทียม

Department of Orthopaedics, Chulabhorn International College of Medicine,
Thammasat University. 99 Paholyothin Rd, Klongluang, Pathumtani, 12120

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Education

- 2019 -2020 Fellowship in Adult Hip and Knee Reconstruction Surgery, Department of Orthopaedic Surgery, Stanford University, Redwood City, California, USA.
- 2017 Diploma in Clinical Epidemiology and Clinical Statistics, Faculty of Medicine, Thammasat University, Pathum Thani, Thailand
- 2014 - 2015 Fellowship in Orthopaedic Oncology, Department of Orthopaedic Surgery, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 2010 - 2014 Residency training in Department of Orthopaedic Surgery, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 2010 - 2011 Higher Graduate Diploma of Clinical Medical Sciences, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 2001 - 2007 Doctor of Medicine (MD), Faculty of Medicine, Thammasat University, Pathum Thani, Thailand
- 1989 - 2001 Chulalongkorn University Demonstration School, Bangkok, Thailand

Work Experience:

- 2021 – present Associate Professor in Department of Orthopaedics, Chulabhorn International College of Medicine, Thammasat University, Thailand
- 2017 - 2021 Assistant Professor in Department of Orthopaedics, Chulabhorn International College of Medicine, Thammasat University, Thailand
- 2015 - 2017 Clinical Instructor in Department of Orthopaedics, Chulabhorn International College of Medicine, Thammasat University, Thailand

- 2010 - 2014 Residency training in Department of Orthopaedic Surgery, Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand
- 2007 – 2010 Internship in Department of Orthopaedics, Faculty of Medicine, Thammasat University, Thailand

Academic Position:

Associate Professor, Clinical Instructor, Department of Orthopaedics, Chulabhorn International College of Medicine, Thammasat University

Clinical Interests:

Adult Hip and Knee Reconstruction Surgery and Orthopaedic Oncology

Certifications:

- 2020 Certificate in Adult Hip and Knee Reconstruction, Department of Orthopaedic Surgery, Stanford University, Redwood City, California, USA.
- 2017 Diploma in Clinical Epidemiology and Clinical Statistics, Faculty of Medicine, Thammasat University
- 2015 Certificate in Orthopaedic Oncology, Department of Orthopaedic Surgery, Faculty of Medicine, Siriraj Hospital, Mahidol University
- 2014 Certified Board of Orthopaedic Surgery Royal College of Orthopaedic Surgery of Thailand Medical Council of Thailand
- 2011 Certificate in Higher Graduate of Clinical Medical Sciences, Faculty of Medicine, Siriraj Hospital, Mahidol University
- 2007 Medical doctor license in Thailand

Professional Memberships:

- 2016 -present Thai Hip & Knee Society (THKS)
- 2015 -present Thai Musculoskeletal Tumor Society (TMSTS)
- 2014 -present Royal College of Orthopaedic Surgeons of Thailand (RCOST)
- 2007 -present Thai Medical Council (TMC)

Honors and Awards:

2022	Thamrongrat Kaewkarn Awards for Outstanding International Publication “International Orthopaedics” THKS & THKA 2022: The 24 th Annual Meeting of Thai Hip & Knee Society (THKS) and Thai Hip & Knee Association (THKA), December 2 to 4, 2022 Sheraton, Hua Hin, Thailand.
2021	Thamrongrat Kaewkarn Awards for Outstanding International Publication “International Orthopaedics” The 2021 Annual Meeting of the Thai Hip & Knee Society (THKS), December 3 to 5, 2021 Sheraton, Hua Hin, Thailand.
2021	The CICM Research Outstanding Awards 2020: Most Research Publications in Quartile 1 for 2020. Chulabhorn International College of Medicine, Thammasat University, Thailand.
2018	Thamrongrat Kaewkarn Awards for Outstanding International Publication “The Bone & Joint Journal” The 2018 Annual Meeting of the Thai Hip & Knee Society (THKS), 10-12 August 2018 Sheraton, Hua Hin, Thailand
2013	Outstanding Resident Award, Department of Orthopaedics, Faculty of Medicine, Siriraj hospital, Mahidol University, Bangkok, Thailand Chief Resident, Department of Orthopaedics, Faculty of Medicine Siriraj hospital, Mahidol University, Bangkok, Thailand
2012	Outstanding Resident Award, Department of Orthopaedics, Faculty of Medicine Siriraj hospital, Mahidol University, Bangkok, Thailand
2008 – 2010	Chief of Internship, Department of Orthopaedics, Faculty of Medicine, Thammasart Hospital, Thammasart University

Research publications:

1. Pongcharoen B, Liengwattanakol P, **Boontanapibul K**. Comparison of Functional Recovery Between Unicompartamental and Total Knee Arthroplasty: A Randomized Controlled Trial. J Bone Joint Surg Am. 2023 Feb 1;105(3):191-201.
2. Pinsornsak P, Niruktisarn T, Surabotsopon P, **Boontanapibul K**. Novel molded antibiotic cement spacer: is it better than handmade cement spacer for treatment of chronically infected total hip arthroplasty? Int Orthop. 2022;46(8):1693-1700.

3. Pinsornsak P, S Sukkankosol, **Boontanapibul K**. Does Nefopam Provide Analgesic Effect and Reduce Morphine Consumption after Primary Total Knee Arthroplasty? A Prospective, Double-Blind, Randomized Controlled Trial. *J Arthroplasty* 2022;37(5):845-850.
4. Pinsornsak P, Phunphakchit J., **Boontanapibul K**. Efficacy and Systemic Absorption of Periarticular Versus Intra-articular Administration of Tranexamic Acid in Total Knee Arthroplasty: A Prospective Randomized Controlled Trial. *Arthroplasty Today* 2021;11:1-5.
5. **Boontanapibul K**, Huddleston J.I. 3rd, Amanatullah D.F., Maloney W.J., Goodman S.B. Modified Kerboul Angle Predicts Outcome of Core Decompression with or without Additional Cell Therapy. *J Arthroplasty* 2021;36(6):1879-1886.
6. Pinsornsak P, Pinitchanon P., **Boontanapibul K**. Effect of Different Tourniquet Pressure on Postoperative Pain and Complications after Total Knee Arthroplasty: A Prospective, Randomized Controlled Trial. *J Arthroplasty* 2021;36(5):1638-1644.
7. Pinsornsak P, Kanitnate S., **Boontanapibul K**. The Effect of Immediate Post-operative Knee Range of Motion Photographs on Post-operative Range of Motion After Total Knee Arthroplasty. *International Orthopaedics (SICOT)* 2021;45(1):101–107.
8. **Boontanapibul K**, Amanatullah D.F., Huddleston J.I. 3rd, Maloney W.J., Goodman S.B. Outcomes of Cemented Total Knee Arthroplasty for Secondary Osteonecrosis of the Knee. *J Arthroplasty* 2021; 36(2):550-559.
9. **Boontanapibul K**, Steere J.T., Amanatullah D.F., Huddleston J.I. 3rd, Maloney W.J., Goodman S.B. Initial presentation and progression of secondary osteonecrosis of the knee. *J Arthroplasty* 2020;35(10):2798–2806.
10. **Boontanapibul K**, Steere J.T., Amanatullah D.F., Huddleston J.I. 3rd, Maloney W.J., Goodman S.B. Diagnosis of osteonecrosis of the femoral head: too little, too late, and independent of etiology. *J Arthroplasty* 2020;35(9):2342–2349.
11. Vasileiadis GI, **Boontanapibul K**, Follett MA, Li AT, Sioutis IC, Amanatullah DF. A Case Report of Spontaneous Osteonecrosis of the Knee with 7 Years of Follow-up. *Int J Ortho Res Ther.* 2019;3(1): 006-0010.
12. Niempoog S, Sukkarnkosol S, **Boontanapibul K**. Prevalence of Osteoporosis in Patients with Distal Radius Fracture from Low-Energy Trauma. *Malays Orthop J.* 2019;13(3):15-20. [PMID: 31890105]
13. Niempoog S, Chumchuen S, Angthong C, **Boontanapibul K**. Intramedullary Hip Screw (IMHS) for the

- Treatment of Intertrochanteric Hip Fracture: A Retrospective Study. *IAIM*, 2019; 6(8): 51-61.
14. Pongcharoen B, **Boontanapibul K**. Outcomes of mobile bearing unicompartmental knee arthroplasty in medial osteoarthritis knee with and without preoperative genu recurvatum. *World J Orthop* 2018 Sep 18; 9(9): 149-155. [PMID: 30254971]
 15. Chernchujit B, Kanokvaleewong C, Parate P, **Boontanapibul K**, Arirachakaran A, Kongtharvonskul J. A new method for measurement of the size of subacromial spurs of the shoulder by cassette tilt view. *Eur J Orthop Surg Traumatol*. 2019;29(3):553-558. [PMID: 30367278]
 16. Pinsornsak P, Chaiwuttisak A, **Boontanapibul K**. Risk factors and outcomes in asymmetrical femoral component size for posterior referencing bilateral total knee arthroplasty: a matched pair analysis. *BMC Musculoskelet Disord*. 2018 Aug 16;19(1):294. [PMID: 30115062]
 17. Tammachote N, Kriengburapha N, Chaiwuttisak A, Kanitnate S, **Boontanapibul K**. Is Regular Knee Radiograph Reliable Enough to Assess the Knee Prosthesis Position? *J Arthroplasty*. 2018;33(9):3038-3042. [PMID: 29859725]
 18. Pinsornsak P, Rodjanawijitkul S, **Boontanapibul K**. Intraoperative Cement-on-Cement Antibiotic-Loaded Articulating Spacer for Treatment of Infected Total Knee Arthroplasty: Description and Results of A New Technique. *J Med Assoc Thai* 2018; 101 [Suppl. 3].
 19. Pinsornsak P, Nangnual S, **Boontanapibul K**. Multimodal Drug Infiltration in Total Knee Arthroplasty: Is Posterior Capsular Infiltration Worth the Risk? A Prospective, Double-Blind, Randomized Controlled Trial. *Bone Joint J* 2017; 99-B: 483-8. [PMID: 28385937]
 20. **Boontanapibul K**, Ruangsomboon P, Pornrattanamaneewong C, Charoencholvanich K. Effectiveness Testing of Combined Innovative Pressurized Carbon Dioxide Lavage and Pulsatile Normal Saline Irrigation to Enhance Bone Cement Penetration in Total Knee Replacement: A Cadaveric Study. *J Med Assoc Thai* 2016; 99 (11).
 21. **Boontanapibul K**, Harnroongroj T, Sudjai N, Harnroongroj T. Vertical displacement of pelvic ring injury: measurement from pelvic outlet radiograph is 2 times of actual displacement. *Indian J Orthop* 2015; 49: 425-8. [PMID: 26229163]
 22. **Boontanapibul K**, Ruangsomboon P, Charoencholvanich K. Sterility verification of innovative pressurized carbondioxide lavage for bone surface preparation in cemented knee arthroplasty. *J Med Assoc Thai* 2014; 97. [PMID: 25365901]

23. Siripakarn Y, Niempoog S, **Boontanapibul K**. The comparative study of reliability and reproducibility of distal radius' fracture classification among: AO frykman and Fernandez classification systems. J Med Assoc Thai. 2013 Jan; 96(1):52-7. [PMID: 23720978]

Book Chapters

1. **Boontanapibul K**. Cell therapy for treating osteonecrosis of the femoral head. 8th RCOST ICL 2022; 73-84.
2. **Boontanapibul K**, Goodman SB. Cell therapy for corticosteroid-induced osteonecrosis of the knee. In: Hernigou P, editor. Cell therapy in osteonecrosis 2021.
3. **Boontanapibul K**, Goodman SB, Amanatullah, D.F. (2022). Management of Extensor Mechanism Disruption After Total Knee Arthroplasty. In: Hansen, E., Kühn, KD. (eds) Essentials of Cemented Knee Arthroplasty. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-662-63113-3_53

International Research Presentations:

- 2021 AAOS 2021 Annual Meeting, “Outcome of Cemented Total Knee Arthroplasty for Secondary Osteonecrosis of the Knee” August 31 - September 3 in San Diego, California at the San Diego Convention Center.
- 2020 The Knee Society (TKS) 2020, “Outcome of Cemented Total Knee Arthroplasty for Secondary Osteonecrosis of the Knee” held online, 10–12 September 2020. Orthopaedic Proceedings Vol. 102-B, No. SUPP_9.
- 2018 39th International Society of Orthopaedic Surgery and Truamatology (SICOT) Orthopaedic World Congress:
“Asymmetrical femoral component sizing in bilateral total knee arthroplasty, causes and outcomes: A matched cohort study”
Montreal, Canada, from 10-13 October 2018 (podium presentation)
- 2018 39th International Society of Orthopaedic Surgery and Truamatology (SICOT) Orthopaedic World Congress:
“Using immediate postoperative knee range of motion photograph as a motivation for increasing knee motion after total knee arthroplasty; can it improve postoperative knee range of motion?: a prospective, double-blind, randomized controlled trial”
Montreal, Canada, from 10-13 October 2018 (podium presentation)

- 2017 38th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress:
 “Multimodal Drug Infiltration in Total Knee Arthroplasty: Is Posterior Capsular Infiltration Worth the Risk? A Prospective, Double-Blind, Randomized Controlled Trial”
 Cape Town, South Africa. 30 November – 2 December 2017 (poster presentation)
- 2017 38th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress:
 “How much do we need to cut the subacromial spur in impingement syndrome? New radiologic view to evaluate the spur size”
 Cape Town, South Africa. 30 November – 2 December 2017 (poster presentation)
- 2015 18th International Society of Limb Salvage & Musculoskeletal Tumor Society (2015 ISOLS/MSTS combined meeting):
 “The Outcomes and Prognostic Factors of Giant Cell Tumor of the Sacrum”
 Orlando, Florida USA. 6 - 10 October 2015 (poster presentation)
- 2013 14th European Federation of National Association of Orthopaedics and Traumatology (EFORT):
 “Radiographic measurement technique for vertical displacement of pelvic ring injury: Experimental cadaveric study”
 Istanbul, Turkey. 5 - 8 June 2013 (podium presentation)
- 2012 27th Annual Research Meeting of Japanese Orthopaedic Association (JOA):
 “The Association between distant measured from radiograph and cadaveric specimens in vertical shear pelvic ring injury”
 Nagoya, Japan. 26 - 27 October 2012 (podium presentation)

Speaker:

1. Core Decompression with Bone Marrow Aspirate Concentrate. The 24th Annual Meeting of Thai Hip & Knee Society (THKS 2022), Sheraton Hotel, Hauhun, Thailand, December 4th, 2022.
2. International Publication Recognition and Innovation: Novel molded antibiotic cement spacer: is it better than handmade cement spacer for treatment of chronically infected total hip arthroplasty? The 24th Annual Meeting of Thai Hip & Knee Society (THKS 2022), Sheraton Hotel, Hauhun, Thailand, December 3rd, 2022.

2. Complex & Revision Hip Arthroplasty. Case Presentation. Panel Discussion. The 24th Annual Meeting of Thai Hip & Knee Society (THKS 2022), Sheraton Hotel, Hauhin, Thailand, December 2nd, 2022.
3. Balancing in the Valgus Knee. Essential Course in Hip and Knee Arthroplasty 2022. Chulalongkorn University, Bangkok, Thailand, November 26th, 2022.
4. Cell therapy for treating osteonecrosis of the femoral head. Instructional Course Lectures 2. Royal College of Orthopaedic Surgeons of Thailand (RCOST). Royal Cliff Hotels Group, Pattaya, Thailand, October 22nd, 2022.
5. Partial Knee Arthroplasty. Adult Reconstruction Course 2. Thai Hip & Knee Society (THKS) Annual Meeting, Sheraton Hotel, Hauhin, Thailand, December 4th, 2021.
6. Complex & Revision Hip Arthroplasty. Case Presentation. Panel Discussion. Thai Hip & Knee Society (THKS) Annual Meeting, Sheraton Hotel, Hauhin, Thailand, December 4th, 2021.
7. Multimodal Pain Control in Total Knee Arthroplasty. Essential Course in Hip and Knee Arthroplasty 2020. Lerdsin Hospital, Bangkok, Thailand, November 21th, 2020
8. International Publication Recognition and Innovation: Multimodal infiltration of local anesthetic in TKA: Is posterior capsular infiltration worth the risk? A prospective, double-blind, randomized controlled trial. Thai Hip & Knee Society (THKS) Annual Meeting, Sheraton Hotel, Hauhin, Thailand, August 10th, 2018.
9. Multimodal infiltration of local anesthetic in TKA: Is posterior capsular infiltration worth the risk? High impact papers published by Royal College of Orthopaedic Surgeons of Thailand (RCOST) members 2017-2018. Royal Cliff Hotels Group, Pattaya, Thailand, October 22nd, 2018