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Dept. of Orthopaedics
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Chiangmai , Thailand 50200



Chanakarn Phornphutkul

Education May 1987 - March 1989

High School

- Montfort College, Chiangmai, Thailand

June 1989 - March 1995

Medical school

- Faculty of Medicine, Chiangmai University, Chiangmai, Thailand

April 1995 - June 2000

Residency Training

- Department of Orthopaedics , Faculty of Medicine, Chiangmai University , Chiangmai ,Thailand

March 1999

Elective period

- Pediatric Orthopedics Unit , Department of Orthopedics, Brown University , Providence, USA

Postgraduated Training

September 2000 – April 2001

- Visiting Clinical Fellow at University of Michigan, Ann Arbor, Michigan

May 2001 – April 2002

- Visiting Fellowship in Sports medicine, Wayne State University , Detroit , Michigan

July 2004 – June 2005

- Research Fellow in Sports medicine, University of Michigan, Ann Arbor, Michigan

Certification 2000

- Diploma, Thai Board of Orthopaedics

1996

- Graduate Diploma in Clinical Sciences (Orthopaedics)
Chiangmai University, Chiangmai, Thailand

1995

- Doctor of Medicine, Chiangmai University, Chiangmai, Thailand

Medical Licensure Unrestricted Medical License No. 20208
(The Medical Council of Thailand)

Present Status Instructor, Sports medicine and Trauma unit, Department of Orthopedics, Faculty of Medicine, Chiangmai University, Chiangmai, Thailand
Chief of Sports medicine unit, Department of orthopaedics Faculty of Medicine, Chiangmai University

Position Associated Professor

Honors

- Reward in 3rd place of resident research presentation (Thailand Orthopaedics Association meeting # 17, Pattaya, Thailand)
- Prestige ESKKA 2000-APOSSM Traveling fellowship May 1-28 , 2006 (visit Porto, Paris, Hannover, Homburg, Luxemburg, Copenhagen, Perugia, Basel, Kitzbuhel and Innsbrug)
- Best paper award lower extremity “Effect of knee flexion angle and portal placement related to femoral tunnel length” 5th Asian Conmed-Linvavtec arthroscopy meeting. Penang, Malaysia. June 1-2,2012

Extra activities

- Thailand National Olympic committee – medical team: accompany Thailand national team to Southeast Asian games, Asian games 2004 - present.
- Chairman of TOSSM cadaveric course 2009-2014
- International Program Editor: Resident educational Task Force: AO foundation 2015 – 2017.
- President of Asian Society for Sports Medicine and Arthroscopy (ASSA) 2016-2017.
- Scientific Chairman of TOSSM congress 2015-2018.
- Board committee of Asia-Pacific Knee, Arthroscopy and Sports Medicine Society(APKASS) 2018 – present.
- Board committee of Asian Arthroscopy conference (AAC) 2016 – present.
- Board committee of Asia-Pacific Orthopaedics Association – Sports medicine section (APOA) 2017 – present.
- President elect Thailand Orthopaedics Society for Sports Medicine (TOSSM) 2020-2022.
- President elect Asia-Pacific Knee, Arthroscopy and Sports Medicine Society(APKASS) 2020.

Publications

1. Relationships between Hoffa fragment size and surgical approach selection: a cadaveric study. Orapiriyakul W, Apivatthakakul T, **Phornphutkul C**. Arch Orthop Trauma Surg. 2018 Aug 11. doi: 10.1007/s00402-018-3022-x.
2. Acromioclavicular joint dislocation: a Dog Bone button fixation alone versus Dog Bone button fixation augmented with acromioclavicular repair-a finite element analysis study. Sumanont S, Nopamassiri S, Boonrod A, Apiwatanakul P, Boonrod A, **Phornphutkul C**. Eur J Orthop Surg Traumatol. 2018 Aug;28(6):1095-1101. doi: 10.1007/s00590-018-2186-y. Epub 2018 Mar 20.
3. Posterolateral tibial plateau fractures, how to buttress? Reversed L posteromedial or the posterolateral approach: a comparative cadaveric study. Orapiriyakul W, Apivatthakakul T, **Phornphutkul C**. Arch Orthop Trauma Surg. 2018 Apr;138(4):505-513. doi: 10.1007/s00402-018-2875-3. Epub 2018 Jan 19.
4. Safe zones and a technical guide for cerclage wiring of the femur: a computed topographic angiogram (CTA) study. Apivatthakakul T, Siripipattanamongkol P, Oh CW, Sananpanich K, Phornphutkul C. Arch Orthop Trauma Surg. 2017 Sep 27. doi: 10.1007/s00402-017-2804-x.

5. Anatomical relationship between the deep peroneal nerve and the anterolateral surface of the tibia in Thai cadavers. Suriyuth J, Kittikun Viwatpinyo, Phornphutkul C, Mahakkanukrauh P. *J Med Assoc Thai.* 2015 Feb;98(2):207-11.
6. Autologous chondrocyte implantation for cartilage injury treatment in Chiang Mai University Hospital: a case report. Wongtriratanachai P, Pruksakorn D, Pothacharoen P, Nimkingratana P, Pattamapaspong N, Phornphutkul C, Setsitthakun S, Fongsatitkul L, Phrompaet S. *J Med Assoc Thai.* 2013 Nov;96(11):1518-22
7. Percutaneous cerclage wiring and minimally invasive plate osteosynthesis (MIPO): a percutaneous reduction technique in the treatment of Vancouver type B1 periprosthetic femoral shaft fractures. Apivatthakakul T, Phornphutkul C, Bunmaprasert T, Sananpanich K, Fernandez Dell'Oca A. *Arch Orthop Trauma Surg.* 2012 Jun;132(6):813-22.
8. Percutaneous cerclage wiring for reduction of periprosthetic and difficult femoral fractures. A technical note. Apivatthakakul T, Phornphutkul C. *Injury.* 2012 Jun;43(6):966-71.
9. Outcome of arthroscopic rotator cuff repair at Maharaj Nakorn Chiang Mai Hospital: A review of the surgery results. Phornphutkul C, Rajchaweang , Bangken W, Luevitoonvechakij S. *Chiang Mai Med J.* 2011;50(4):105-113.
10. Simple minimally invasive plate osteosynthesis (MIPO) instruments. Apivatthakakul T, Phornphutkul C, Patumasutra S. *Injury Extra.* 2009;40:39-44.
11. Less invasive plate osteosynthesis in humeral shaft fractures. Apivatthakakul T, Phornphutkul C, Laohapoonrungsee A, Sirirungruangsarn Y. *Oper Orthop Traumatol.* 2009 Dec;21(6):602-13.
12. Incidence of positive intraoperative allograft cultures used in knee ligament reconstruction. Phornphutkul C, Gruber BF, Wojtys EM. *J Knee Surg.* 2009 Jul;22(3):191-5.
13. Loss of knee extension after anterior cruciate ligament reconstruction: effects of knee position and graft tensioning. Austin JC, Phornphutkul C, Wojtys EM. *J Bone Joint Surg Am.* 2007 Jul;89(7):1565-74.
14. Sonographic imaging of the patellofemoral medial joint stabilizing structures: findings in human cadavers. Phornphutkul C, Sekiya JK, Wojtys EM, Jacobson JA. *Orthopedics.* 2007 Jun;30(6):472-8.
15. Unreamed tibial nailing with additional bone grafting from tibial entry point in the treatment of closed and open fractures grade I and II. Apivatthakakul T, Phornphutkul C, Sirirungruangsarn Y.. *J Thai Orthop* 2006;31:7-14.
16. Two-hole side-plate DHS in the treatment of intertrochanteric fracture: Results and complications. Laohapoonrungsee A, Arpornchayanon O, Phornphutkul C. *Injury.* 2005; 1335-1360.
17. Unreamed retrograde nailing of femoral shaft and distal femur fractures using minimally invasive percutaneous approach. Apivatthakakul T,

Laohapoonrungsee A, Chiewchantanakit S, Phornphutkul C. Thai J of Orthopaedic Surgery. 2004; 29(2); 47-56.

International Textbook Chapter

1. "Radiation Hazard" Principle of internal fixation 3rd edition.

Research presentation

1. "The effect of type II SLAP lesion repair technique on the vascular supply of long head of the biceps tendon: A cadaveric study." The 11th International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Beijing, China. June 4-8, 2017.
2. "The effect of position of shoulder, forearm and elbow on the excursion of the biceps tendon. The 13th International congress of Shoulder and Elbow Surgery. Jeju, South Korea. May 18-21, 2016.
3. "Effect of knee flexion angle and portal placement related to femoral tunnel length" 5th Asian Conmed-Linvavtec arthroscopy meeting. Penang, Malaysia. June 1-2, 2012.
4. "Patella instability" 4th Asian Conmed-Linvavtec arthroscopy meeting. J.W. Marriot hotel, Phuket, Thailand. April 8-9, 2010.
5. "Double-bundle anterior cruciate ligament reconstruction using bone-patella tendon-bone graft and quadruple hamstring graft" 2nd Combined meeting Hip, Knee & Sports medicine. Sheraton lagoon hotel, Phuket, Thailand. August 11, 2007
6. "Loss of knee extension following anterior cruciate ligament reconstruction" RCOST meeting, Pataya, Thailand October 22, 2006.
7. "Incidence of the Positive Intra-Operative Cultures Allografts in knee ligament reconstruction." 26th AAOS 2006 Annual meeting, Chicago, Illinois, USA 2006.
8. "Incidence of the cultured positive allograft and infection in knee ligament reconstruction." Michigan Orthopaedics Society meeting, Acme, Michigan, USA 2005.
9. "Sonographic Imaging of The medial stabilizing structures of the patellofemoral joint : findings in human cadavers" 21st AANA meeting, Washington DC, USA 2002
10. "The ultimate operative technique in Tennis Elbow" RCOST meeting, Pataya, Thailand 1999