

## Curriculum Vitae

**Date Prepared:** Nov 29<sup>th</sup>, 2023  
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**Present Position:** Lecturer, Department of Transfusion Medicine and Clinical Microbiology,  
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**Place of Birth:** Thailand

### Education

|      |                                                                                                     |                                                                                                                                                                                                                      |
|------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2008 | BSc. Medical Technology (Honor)                                                                     | Faculty of Allied Health Sciences, Chulalongkorn University                                                                                                                                                          |
| 2012 | MSc. Medical Microbiology<br>(Thesis Assessment: Excellent)                                         | Faculty of Medicine, Chulalongkorn University                                                                                                                                                                        |
| 2018 | PhD. Medical Microbiology<br>(Thesis Assessment: Excellent)                                         | Institute for Medical Microbiology, University<br>Medical Centre Göttingen, Göttingen, Germany.<br>(Thai-German S&T Cooperation: Researcher<br>Mobility Scheme)<br><br>Faculty of Medicine, Chulalongkorn University |
| 2018 | Intensive Course Attending; Advanced<br>Techniques for Fungal Identification in<br>Hospital Service | National Taiwan University College of Medicine,<br>Taipei, Taiwan                                                                                                                                                    |

### Honors and Awards

|      |                                                                     |                                                                                             |
|------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 2013 | Human Fungal Pathogen 2013<br>Young Researcher Award (Nice, France) | Federation of European Microbiological Societies<br>(FEMS) and Biochemical Societies (FEBS) |
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### Book Chapters

1. Chapter on "Rare Fungal Infections in Asia". The Eastern Frontier of Mycology. Elsevier, 2019

### Patent

1. Chindamporn A, **Worasilchai N.** "Primers and Method for Clade Differentiation Detection of *Pythium insidiosum* using High Resolution Melting Analysis", under patent process (patent request number 1201006141) organized by Chulalongkorn University Intellectual Property Institute.

### **Academic Organization Committee**

1. The MERG: Mycology, Epidemiology, and Medical Education Research Group. The collaboration of Johns' Hopkins University (USA), The University of Arizona (USA), Chulalongkorn University (Thailand) (Inner-committee)
2. Thailand Fungal Network supported by Pfizer (Thailand) Limited (Inner-committee)
3. The association of Medical Technologists of Thailand (Sub-committee)

### **Journal Reviewer**

1. Journal of Medical Mycology

### **Invited speaker/Presentations at Professional Meeting**

1. **Worasilchai N**, Chindamporn A. Differentiation of *Pythium insidiosum* and Related Organisms by Isothermal Helicase Amplification. Poster presentation at the 18th Congress of the International Society for Human and Animal Mycology (ISHAM); June 14, 2012; Berlin, Germany.
2. Atikarnbodee D, **Worasilchai N**, Chindamporn A. Five Years Antifungal Susceptibility Profiles of *Candida* Isolates from Blood in Tertiary Care Hospital. Poster presentation at the 18th Congress of the International Society for Human and Animal Mycology (ISHAM); June 14, 2012; Berlin, Germany.
3. **Worasilchai N**, Chindamporn A. Isothermal Helicase-Dependent Amplification for *Pythium insidiosum* and Related Pathogenic Fungi Screening. Poster presentation at the 9<sup>th</sup> National Conference of Society for Indian Human and Animals Mycologists (SIHAM); February 9-12, 2012; Siliguri, India.
4. Permpalung N, Paitoonpong L, Plongla R, **Worasilchai N**, Chindamporn A. What is the Currently Effective Treatment for Human Pythiosis: Combination Therapy, Surgery, Antifungal Agents or Immunotherapy? Poster presentation at IDWeek 2013; October 2-6, 2013. San Francisco, California, the United States of America.
5. **Worasilchai N**, Chindamporn A. Five Antifungal Disk Diffusion Test Against Thai *Candida* Isolates. Poster presentation at the 5<sup>th</sup> FEBS Advanced Lecture Course: Fungal Human Pathogens- Molecular Mechanisms of Host-Pathogen Interactions and Virulence; June 6<sup>th</sup>-8<sup>th</sup>, 2013; La Colle sur Loup Nice, France.
6. Suksawat K, **Worasilchai N**, Thummahong A, Pootong T, Rungnoppakun P, Thuncharoon H, Chindamporn A. *Cryptococcus neoformans*'s Antigen Detection in Specimens from Three Thai Tertiary Care Hospital using CrAg Lateral Flow Assay. Poster presentation at the 37<sup>th</sup> National Academic Conference of Medical Technology; April 23<sup>rd</sup> – 26<sup>th</sup> April 2013; Pattaya, Thailand.
7. **Worasilchai N**, Plongla R, Permpalung N, Chindamporn A. *In vitro* Susceptibility Study of Thai Clinical and Environmental *Pythium insidiosum* Isolates Against Three Antifungal Groups and Two-Drug Combination Assay. Poster presentation at the 10th National Conference of the Society for Indian Human and Animal Mycologists (SIHAM 2014); January 10-12, 2014. Coimbatore, Tamil Nadu, India.
8. **Worasilchai N**, Leelahavanichkul A, Kanjanabuch T, Chindamporn A. 1, 3- $\beta$ -D-Glucan, New Biomarker for the Differentiation of Chemical Particle and Fungal Grain in Peritoneal Dialysate. Poster presentation at the 10<sup>th</sup> International Mycology Congress (IMC10); August 3<sup>rd</sup>-8<sup>th</sup>, 2014; Bangkok, Thailand.

9. Leelahavanichkul A, **Worasilchai N**, Kanjanabuch T, Petphuak K, Chindamporn A. False Positive of Peritoneal 1, 3- $\beta$ -D-Glucan for Peritonitis Diagnosis in Peritoneal Dialysis Patient. Poster presentation at the 10<sup>th</sup> International Mycology Congress (IMC10); August 3<sup>rd</sup>-8<sup>th</sup>, 2014; Bangkok, Thailand.
10. **Worasilchai N**, Yurayart C, Chakrabarti A, Chindamporn A. A Novel Tool for *Pythium insidiosum* Identification using Restriction Fragment Length Polymorphism-Thermophilic Helicase DNA Amplification (RFLP-tHDA). Poster presentation at the 10<sup>th</sup> International Mycology Congress (IMC10); August 3<sup>rd</sup>-8<sup>th</sup>, 2014; Bangkok, Thailand.
11. **Worasilchai N**, Chindamporn A. Clade Specific High Resolution Melting Analysis for *Pythium insidiosum* Differentiation. Poster presentation at the 19<sup>th</sup> International Society for Human and Animals Mycology Congress; May 4<sup>th</sup>-8<sup>th</sup>, 2015; Melbourne, Victoria, Australia.
12. **Worasilchai N**, Permpalung N, Chindamporn A. *Ex vivo* Study: Immunoreactivity of *Pythium insidiosum* Antigen. Poster presentation at the 8th Trends in Medical Mycology; Oct 7, 2017. Belgrade, Serbia.
13. Chindamporn A, Permpalung N, **Worasilchai N**. Specific IgG Antibody Against *Pythium insidiosum* Profiles in PIA-Treated Vascular Pythiosis Cases. Poster presentation at The 8th Trends in Medical Mycology; Oct 8, 2017. Belgrade, Serbia.
14. **Worasilchai N**, Permpalung N, Chindamporn A. High Resolution Melting Analysis: A Novel Approach for Clade Differentiation in Pythiosis. Poster presentation at The 43rd Congress on Science and Technology of Thailand (STT 43); Oct 18-19, 2017. Bangkok, Thailand.
15. **Worasilchai N**, Permpalung N, Thammahong A, Chindamporn A. Variation in Antigenicity among *P. insidiosum* Strains in Enzyme-Linked Immunosorbent Assay. Poster presentation at The 20<sup>th</sup> International Society for Human and Animals Mycology Congress; 30 June-4 July 2018. Amsterdam, The Netherlands.
16. Manothummetha K, Plongla R, Torvorapanit P, **Worasilchai N**, Ratanawongphaibul K, Chindamporn A, Permpalung N. Evaluation of Beta-D-Glucan Utilization in Thailand: Single Academic Center Experience. Poster presentation at The ID Week 2019 organized by Infectious Diseases Society of America (IDSA), Society for Healthcare Epidemiology of America (SHEA), the HIV Medical Association (HIVMA), and the Pediatric Infectious Diseases Society (PIDS); Oct 2-6, 2019. Washington DC, the United States of America.
17. Torvorapanit P, Plongla R, **Worasilchai N**, Manothummetha K, Ratanawongphaibul K, Chindamporn A, Permpalung N. Monitoring Serum Erythrocyte Sedimentation Rate (ESR) and C-Reactive Protein (CRP) in Correlation with (1->3)-Beta-D-Glucan Levels in Vascular Pythiosis: A Preliminary Study. Poster presentation at The ID Week 2019 organized by Infectious Diseases Society of America (IDSA), Society for Healthcare Epidemiology of America (SHEA), the HIV Medical Association (HIVMA), and the Pediatric Infectious Diseases Society (PIDS); Oct 2-6, 2019. Washington DC, USA.
18. **Worasilchai N**, Leelahavanichkul A, Palaga T, Chindamporn A. Phagocytic activity of macrophage in patients with vascular pythiosis. Oral presentation at the 1st Congress of the International Society for Human and Animal Mycology – Asia (ISHAM-ASIA); Aug 5, 2021; Virtual Conference.
19. **Worasilchai N**, Thamprateep T, Santisitthanon P, Chuchawankul S, Chindamporn A. Direct Identification of *Candida* spp. in Positive Hemoculture Samples. Oral presentation at the 1st Congress of the International Society for Human and Animal Mycology – Asia (ISHAM-ASIA); Aug 5, 2021; Virtual Conference.

20. Meejun T, Srirurapanot K, Manothummetha K, Thongkam A, Mejun N, Chuleerarux N, Sanguankeo A, Phongkhun K, Leksuwankun S, Thanakitcharu J, Langsiri N, Torvorapanit P, **Worasilchai N**, Plongla R, Chindamporn A, Kates OS, Nematollahi S, Permpalung N, Moonla C. Attenuated COVID-19 vaccine immunogenicity and risk factors in hematopoietic stem cell transplant recipients: A systematic review and meta-analysis. Poster Presentation at 4th Symposium on Infectious Diseases in the Immunocompromised Host; Apr 30-May 02, 2023. Seattle, Washington, USA.
21. **Worasilchai N**, Narajeenron K, Ritsumdeang J, Kongrattanachok N, Sanpawut P. IPEC Core Competencies Team STEPPS Communication Skills for IPE 2P Safety Goals. Invited speaker at Academic meeting of Advanced Simulation-Based interprofessional Education for Educators; Jun 11, 2022; Virtual Meeting.
22. **Worasilchai N**, Narajeenron K, Ritsumdeang J, Tipayamontri T, Sanpawut P. IPEC Core Competencies Team STEPPS Communication Skills for IPE 2P Safety Goals. Invited speaker at Academic meeting of Advanced Simulation-Based interprofessional Education for Educators; Jun 11, 2022; Virtual Meeting.
23. **Worasilchai N**, Narajeenron K, Ritsumdeang J, Tipayamontri T, Sanpawut P. Using virtual simulation online platform in health professions education (Pedagogy for challenging future). Invited speaker at The Global Interprofessional Education Conference (GIPEC 2022) by National Health Professional Education Foundation (NHPE); Nov 9, 2022
24. **Worasilchai N**, Narajeenron K, Susantitapong K, Sanpawut P. Experience sharing in IPE simulation invited speaker at Conference of Simulation for Interprofessional Education by Siriraj Hospital; Mar 20, 2023
25. **Worasilchai N**, Narajeenron K, Sanpawut P. Insights from healthcare academics on using VR Technology in interprofessional education activities at The 23<sup>rd</sup> National HA Forum; Mar 15, 2023
26. **Worasilchai N**, Narajeenron K. The Future of healthcare academic-VR in interprofessional education at The Emergency Medicine Chula Conference (EMCC 2023); May 09, 2023
27. **Worasilchai N**, Narajeenron K, Ritsumdeang J, Pavawimon T. IPE SIM Training Workshop for Medical Technologist and Radiologist; May 31, 2023
28. **Worasilchai N**. Pythiosis at The 45<sup>th</sup> Annual Conference of the Association of Medical Technologist of Thailand (ACMTT 2023); June 30 2023
29. **Worasilchai N**, Narajeenron K. Simulation for teaching at Learning Innovation Center, CU; Sep 20, 2023
30. **Worasilchai N**, Narajeenron K, Sanpawut P, Ritsumdeang J. Simulation Training: IPE Emergency Interprofessional education at Nontaburi Emergency Hub; November 23 2023
31. **Worasilchai N**, Narajeenron K. Hero is a team: Interprofessional education using virtual simulation for tomorrow's Emergency Physician at The 7<sup>th</sup> Annual Meeting of Thai College of Emergency Physician (AMTCEP 2023); October 06 2023
32. **Worasilchai N**, Narajeenron K. Simulation Training: IPE Emergency at Rajavithi Hospital; July 24, 2023

### **International Publications**

1. Narkwiboonwong T, Trakulhun K, Watanakijthavonkul K, Paocharern P, Singsakul A, Wongsa A, Woracharoensri N, **Worasilchai N**, Chindamporn A, Panoi A, Methipisit T, Sithinamsuwan P.

Cerebral Pythiosis: A Case Report of *Pythium insidiosum* Infection Presented with Brain Abscess. J Infect Dis Antimicrob Agents. 2011 May; 28 (2):129-32

2. Detporntewan P, Chindamporn A, **Worasilchai N**, Suankratay C: A Case of Invasive Pulmonary Infection Caused by Novel Species of *Perenniporia*. Mycoses. 2014 Nov; 57(11):703-5.
3. **Worasilchai N**, Leelahavanichkul A, Kanjanabuch T, Thongbor N, Lorvinitnun P, Sukhontasing K, Finkelman M, Chindamporn A. (1→3)-β-D-Glucan and Galactomannan Testing for the Diagnosis of Fungal Peritonitis in Peritoneal Dialysis Patients, a Pilot Study. Med Mycol. 2015 May;53(4):338-46.
4. Permpalung N\*, **Worasilchai N\***, Plongla R, Upala S, Sanguankeo A, Paitoonpong L, Mendoza L, Chindamporn A. Treatment Outcomes of Surgery, Antifungal Therapy and Immunotherapy in Ocular and Vascular Human Pythiosis: a Retrospective Study of 18 Patients. J Antimicrob Chemother. 2015 Jun;70(6):1885-92.

*\*This article shared first author.*

5. Leelahavanichkul A, Somparn P, Bootprapan T, Tu H, Tangtanatakul P, Nuengjumnon R, **Worasilchai N**, Tiranathanagul K, Eiam-ong S, Levine M, Chindamporn A, Srisawat N. High-Dose Ascorbate with Low-Dose Amphotericin B Attenuates Severity of Disease in a Model of the Reappearance of Candidemia during Sepsis in the Mouse. Am J Physiol Regul Integr Comp Physiol. 2015 Aug 1;309(3):R223-34.
6. Kangogo M, Bader O, Boga H, Wanyoike W, Folba C, **Worasilchai N**, Weig M, Groß U, Bii CC. Molecular Types of *Cryptococcus gattii*/ *Cryptococcus neoformans* Species Complex from Clinical and Environmental Sources in Nairobi, Kenya. Mycoses. 2015 Nov;58(11):665-70.
7. Ruangritchankul K, Chindamporn A, **Worasilchai N**, Poumsuk U, Keelawat S, Bychkov A. Invasive Fungal Disease in University Hospital: a PCR-Based Study of Autopsy Cases. Int J Clin Exp Pathol. 2015 Nov 1;8(11):14840-52.
8. Leelahavanichkul A, Pongpirul K, Thongbor N, **Worasilchai N**, Petphuak K, Thongsawang B, Towannang P, Lorvinitnun P, Sukhontasing K, Katavetin P, Praditpornsilpa K, Eiam-Ong S, Chindamporn A, Kanjanabuch T. (1→3)-β-D-Glucan and Galactomannan for Differentiating Chemical "Black Particles" and Fungal Particles Inside Peritoneal Dialysis Tubing. Perit Dial Int. 2016 Jul-Aug;36(4):402-9.
9. Leelahavanichkul A, Panpetch W, **Worasilchai N**, Somparn P, Chanchaoenthana W, Nilgate S, Finkelman M, Chindamporn A, Tumwasorn S. Evaluation of Gastrointestinal Leakage using Serum (1→3)-β-D-Glucan in a *Clostridium difficile* Murine Model. FEMS Microbiol Lett. 2016 Sep;363(18).
10. Leelahavanichkul A, **Worasilchai N**, Wannalerdsakun S, Jutivorakool K, Somparn P, Issara-Amphorn J, Tachaboon S, Srisawat N, Finkelman M, Chindamporn A. Gastrointestinal Leakage Detected by Serum (1→3)-β-D-Glucan in Mouse Models and a Pilot Study in Patients with Sepsis. Shock. 2016 Nov;46(5):506-518.
11. Larsuprom L, Duangkaew L, Kasorndorkbua C, Chen C, Chindamporn A, **Worasilchai N**. Feline Cutaneous Histoplasmosis: The First Case Report from Thailand. Med Mycol Case Rep. 2017 Jul 25;18:28-30.
12. Panpetch W, Somboonna N, Bulan DE, Issara-Amphorn J, Finkelman M, **Worasilchai N**, Chindamporn A, Palaga T, Tumwasorn S, Leelahavanichkul A. Oral Administration of Live- or Heat-Killed *Candida albicans* Worsened Cecal Ligation and Puncture Sepsis in a Murine Model Possibly Due to an Increased Serum (1→3)-β-D-Glucan. PLoS One. 2017 Jul 27;12(7).
13. **Worasilchai N**, Tangwattanachuleeporn M, Meesilpavikkai K, Folba C, Kangogo M, Groß U, Weig M, Bader O, Chindamporn A. Diversity and Antifungal Drug Susceptibility of *Cryptococcus* Isolates in Thailand. Med Mycol. 2017 Aug 1;55(6):680-685.
14. Panpetch W, Somboonna N, Bulan DE, Issara-Amphorn J, **Worasilchai N**, Finkelman M, Chindamporn A, Palaga T, Tumwasorn S, Leelahavanichkul A. Gastrointestinal Colonization of *Candida albicans* Increases Serum (1→3)-β-D-Glucan, without Candidemia, and Worsens Cecal Ligation and Puncture Sepsis in Murine Model. Shock. 2018 Jan;49(1):62-70.
15. Issara-Amphorn J, Surawut S, **Worasilchai N**, Thim-Uam A, Finkelman M, Chindamporn A, Palaga T, Hirankarn N, Pisitkun P, Leelahavanichkul A. The Synergy of Endotoxin and (1→3)-β-D-Glucan,

- from Gut Translocation, Worsens Sepsis Severity in a Lupus Model of Fc Gamma Receptor IIb-Deficient Mice. *J Innate Immun.* 2018 Jan;10(3):189-201.
16. **Worasilchai N**, Chaumpluk P, Chakrabarti A, Chindamporn A. Differential Diagnosis for Pythiosis using Thermophilic Helicase DNA Amplification and Restriction Fragment Length Polymorphism (tHDA-RFLP). *Med Mycol.* 2018 Feb 1;56(2):216-224
  17. **Worasilchai N**, Permpalung N, Chongsathidkiet P, Leelahavanichkul A, Mendoza AL, Palaga T, Reantragoon R, Finkelman M, Sutcharitchan P, Chindamporn A. Monitoring Anti-*Pythium insidiosum* IgG Antibodies and (1->3)- $\beta$ -D-Glucan in Vascular Pythiosis. *J Clin Microbiol.* 2018 Jul 26;56(8).
  18. **Worasilchai N**, Permpalung N., Chindamporn A. High Resolution Melting Analysis: A Novel Approach for Clade Differentiation in *Pythium insidiosum* and Pythiosis. *Med Mycol.* 2018 Oct 1;56(7):868-876.
  19. **Worasilchai N**, Leelahavanichkul A, Permpalung N, Kuityo C, Phaisanchatchawan T, Palaga T, Reantragoon R, Chindamporn A. Antigen Host Response Differences Between the Animal-Type Strain and Human-Clinical *Pythium insidiosum* Isolates used for Serological Diagnosis in Thailand. *Med Mycol.* 2019 Jun 1;57(4):519-522.
  20. Permpalung N, **Worasilchai N**, Manothummetha K, Torvorapanit P, Ratanawongphaibul K, Chuleerarux N, Plongla R, Chindamporn A. Clinical Outcomes in Ocular Pythiosis Patients Treated with A Combination Therapy Protocol in Thailand: A prospective Study. 2019 Nov 1;57(8):923-928. *\*This article shared first author.*
  21. Sussaengrat N, Torvorapanit P, Plongla R, Chuleerarux N, Manothummetha K, Tuangsirisup J, **Worasilchai N**, Chindamporn A, Permpalung N. Adjunctive Antibacterial Agents as a Salvage Therapy in Relapsed Vascular Pythiosis Patients. *Int J Infect Dis.* 2019 Nov;88:27-30.
  22. Hiengrach P, Panpetch W, **Worasilchai N**, Chindamporn A, Tumwasorn S, Jaroonwitchawan T, Somboonna N, Wilantho A, Chathanathon P, Leelahavanichkul A. Administration of *Candida albicans* to Dextran Sulfate Solution Treated Mice Causes Intestinal Dysbiosis, Emergence and Dissemination of Intestinal *Pseudomonas Aeruginosa* and Lethal Sepsis. *Shock.* 2020 Feb;53(2):189-198.
  23. **Worasilchai N**, Chindamporn A, Plongla R, Torvorapanit P, Manothummetha K, Chuleerarux N, Permpalung N. *In vitro* Susceptibility of Antibacterial Agents Against Thai *Pythium insidiosum* Isolates. *Antimicrob Agents Chemother.* 2020 Mar 24; 64 (4)
  24. Permpalung N, **Worasilchai N**, Chindamporn A. Human Pythiosis: Emerging of Fungal-like Organism: Review. *Mycopathologia.* 2020 Oct;185(5):801-812.
  25. Sirivongrangson P, Kulvichit W, Payungporn S, Pisitkun T, Chindamporn A, Peerapornratana S, Pisitkun P, Chitcharoen S, Sawaswong V, **Worasilchai N**, Kampunya S, Puthcharoen O, Thawatsri T, Leelayuwatanakul N, Kongpolprom N, Phoophiboon V, Sriprasart T, Samransamruajkit R, Tungsanga S, Tiankanon K, Lumlertgul N, Leelahavanichkul A, Sriphojanart T, Tantawichien T, Thisyakorn U, Chirathaworn C, Praditpornsilpa K, Tungsanga K, Eiam-Ong S, Sitprija V, Kellum JA, Srisawat N. Endotoxemia and circulating bacteriome in severe COVID-19 patients. *Intensive Care Med Exp.* 2020 Dec 7;8(1):72.
  26. Kaewpoowat Q, Chaiwarith R, Yasri S, **Worasilchai N**, Chindamporn A, Sirisanthana T, Cressey TR. Drug-drug interaction between itraconazole capsule and efavirenz in adults with HIV for talaromycosis treatment. *J Antimicrob Chemother.* 2020 Dec 22.
  27. Torvorapanit P, Chuleerarux N, Plongla R, **Worasilchai N**, Manothummetha K, Thongkam A, Langsiri N, Diewsurin J, Kongsakpaisan P, Bansong R, Sussaengrat N, Wattanasoontornsakul W, Chindamporn A and Permpalung N. Clinical Outcomes of Radical Surgery and Antimicrobial Agents in Vascular Pythiosis: A Multicenter Prospective Study. *J Fungi (Basel).* 2021 Feb 4;7(2):114.
  28. Puangsricharern V, Chotikkakamthorn P, Tulvatana W, Kittipibul T, Chantaren P, Reinprayoon U, Kasetsuwan N, Satitpitakul V, **Worasilchai N**, Chindamporn A. Clinical Characteristics, Histopathology, and Treatment Outcomes of *Pythium* Keratitis: A Retrospective Cohort Study. *Clin Ophthalmol.* 2021 Apr 23;15:1691-1701.
  29. Bernhard M, **Worasilchai N**, Kangogo M, Bii C, Trzaska WJ, Weig M, Groß U, Chindamporn A, Bader O. CryptoType - Public Datasets for MALDI-TOF-MS Based Differentiation of *Cryptococcus neoformans/gattii* Complexes. *Front Cell Infect Microbiol.* 2021 Apr 19.

30. Chuleerarux N, Thongkam A, Manothummetha K, Nematollahi S, Dioverti-Prono V, Torvorapanit P, Langsiri N, **Worasilchai N**, Plongla R, Chindamporn A, Sanguankeo A, Permpalung N. Does Post-Transplant Cytomegalovirus Increase the Risk of Invasive Aspergillosis in Solid Organ Transplant Recipients? A Systematic Review and Meta-Analysis. *J Fungi (Basel)*. 2021 Apr 23;7(5):327.
31. Chuleerarux N, Nematollahi S, Thongkam A, Dioverti MV, Manothummetha K, Torvorapanit P, Langsiri N, **Worasilchai N**, Plongla R, Chindamporn A, Sanguankeo A, Permpalung N. The association of cytomegalovirus infection and cytomegalovirus serostatus with invasive fungal infections in allogeneic hematopoietic stem cell transplant recipients: A systematic review and meta-analysis. *Clin Microbiol Infect*. 2021 Nov 6.
32. Thongsuk P, Plongla R, Thammahong A, Tiewsurin J, **Worasilchai N**, Chindamporn A, Suankratay C. Vascular pythiosis caused by *Pythium aphanidermatum*: the first case report in Asia. *Eur J Med Res*. 2021 Nov 14;26(1):132.
33. Medhasi S, Chindamporn A, **Worasilchai N**. A review: antimicrobial therapy for human pythiosis. *Antibiotics*. 2022 Feb.
34. Saithong S, **Worasilchai N**, Saisorn W, Udompornpitak K, Bhunyakarnjanarat T, Chindamporn A, Tovichayathamrong P, Torvorapanit P, Chiewchengchol D, Chanchaoenthana W, Leelahavanichkul A. Neutrophil Extracellular Traps in Severe SARS-CoV-2 Infection: A Possible Impact of LPS and (1→3)-β-D-glucan in Blood from Gut Translocation. *Cells*. 2022 Mar.
35. Manothummetha K, Chuleerarux N, Sanguankeo A, Kates OS, Hirankarn N, Thongkam A, Dioverti-Prono MV, Torvorapanit P, Langsiri N, **Worasilchai N**, Moonla C, Plongla R, Garneau WM, Chindamporn A, Nissaisorakarn P, Thaniyavarn T, Nematollahi S, Permpalung N. Immunogenicity and Risk Factors Associated With Poor Humoral Immune Response of SARS-CoV-2 Vaccines in Recipients of Solid Organ Transplant: A Systematic Review and Meta-Analysis. *JAMA Netw Open*. 2022 Apr.
36. Chuleerarux N, Manothummetha K, Moonla C, Sanguankeo A, Kates OS, Hirankarn N, Phongkhun K, Thanakitcharu J, Leksuwankun S, Meejun T, Thongkam A, Mongkolkaew T, Dioverti MV, Torvorapanit P, Langsiri N, **Worasilchai N**, Plongla R, Chindamporn A, Gopinath S, Nissaisorakarn P, Thaniyavarn T, Nematollahi S, Permpalung N. Immunogenicity of SARS-CoV-2 vaccines in patients with multiple myeloma: a systematic review and meta-analysis. *Blood Adv*. 2022 Dec.
37. Tungsanga S, Udompornpitak K, **Worasilchai N**, Ratana-Aneckchai T, Wannigama DL, Katavetin P, Leelahavanichkul A. Candida Administration in 5/6 Nephrectomized Mice Enhanced Fibrosis in Internal Organs: An Impact of Lipopolysaccharide and (1→3)-β-D-Glucan from Leaky Gut. *Int J Mol Sci*. 2022 Dec.
38. Sriwarom A, Chiewchengchol D, Saithong S, **Worasilchai N**, Chindamporn A. Neutrophil extracellular traps and phagocytosis in *Pythium insidiosum*. *PLoS One*. 2023 Jan.
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