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Annual overview of Clinical Critical Care 2025: Publication performance, scholarly trends, reviewer, and future directions

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ABSTRACT:

Clinical Critical Care continues to serve as an academic platform dedicated to advancing knowledge and clinical practice in critical care medicine. In 2025, the journal achieved its highest annual publication volume since its inception, reflecting sustained growth in scholarly engagement and content diversity. This editorial summarizes the journal's background, publication statistics, and trends during the past year, highlights reviewer contributions, and outlines strategic directions aimed at maintaining publication quality and advancing toward higher international indexing databases, including Scopus. These developments underscore the journal's commitment to scientific rigor, ethical publishing, and its role in strengthening the critical care community both nationally and internationally.

INTRODUCTION

Clinical Critical Care is an academic journal established to disseminate high-quality scientific knowledge in the field of critical care medicine, encompassing multidisciplinary perspectives from internal medicine, surgery, anesthesiology, emergency medicine, nursing, and allied health professions. The journal aims to support evidence-based practice, promote clinical excellence, and encourage academic collaboration among critical care professionals.

Since its establishment, the journal has emphasized rigorous peer review, ethical publishing standards, and accessibility through an open-access platform. Supported by the Thai Society of Critical Care Medicine, *Clinical Critical Care* has progressively expanded its scope and visibility, serving as an important national forum for clinical research, reviews, guidelines, and scholarly discussion relevant to critically ill patients.

PUBLICATION STATISTICS AND TRENDS

The year 2025 marked a significant milestone for *Clinical Critical Care*, with a total of 25 articles published, representing the highest annual output during the 2021–2025 period and contributing to a cumulative total of 92 publications. This increase reflects both heightened manuscript submissions and the journal's growing relevance within the critical care community.

A diverse range of article types was published, demonstrating balanced scholarly coverage. Review Articles constituted the largest proportion (n = 9), emphasizing the journal's role in knowledge synthesis and continuing medical education. Case Reports (n = 5) highlighted rare conditions and complex clinical scenarios, while Original Articles (n = 4) contributed novel data to clinical practice and research. Additional publications included Editorials (n = 3), Research Protocols (n = 2), and individual contributions in Guidelines, Meta-analysis, and Letters to the Editor. The title of articles on 2025 was presented as Table 1.

Editorial performance indicators further reflect an efficient and structured peer-review process, with a median time to first editorial decision of approximately 10 days, an acceptance rate of 70%, and a rejection rate of 30%. The continued submission of research protocols, a total of 33 over five years, indicates robust upstream research activity and future publication potential.

Table 1. Publication title on *Clinical Critical Care* 2025.

| Number | Author | Title | Section |
|---------|--|---|-------------------|
| e250001 | Pipu Tavornshevin, Napplika Kongpolprom | Bilateral spontaneous pneumothorax in undiagnosed asthma in an adult | Case Report |
| e250002 | Chaianan Sodapak | Remembering Professor Emeritus Lady Dr. Putipanee Vorakitpokatorn: A visionary anesthesiologist and ICU pioneer | Editorial |
| e250003 | Kaweesak Chittawatanarat, Suthat Rungruanghiranya | Publications in 2024 and reviewers in 2021 - 2024 on Clinical Critical Care and indexing in Thai-Journal Citation Index - Tier 1 (valid 2025 - 2029) | Editorial |
| e250004 | Suchanun Lao-amornphunkul, Nattaya Raykateeraroj, Nuanprae Kitisin | Assessment of sleep quality in the Intensive Care Unit: A comprehensive review of tools and techniques | Review Articles |
| e250005 | Natthida Owattanapanich, Natyada Boonchana | Diastolic shock index: Its importance and application in critically ill patients: A narrative review | Review Articles |
| e250006 | Peerapat Thanapongsatorn, Massupa Krisem, Sahaporn Wathanawanichakun | Simultaneous extracorporeal liver and cardiorespiratory support with double plasma molecular absorption system and extracorporeal membrane oxygenation: A case report | Case Report |
| e250007 | Nutnicha Suntornlekha, Pattraporn Tajarernmuang, Manit Srisurapanont, Kaweesak Chittawatanarat | Benefit of inodilators in septic shock patients: A systematic review and network meta-analysis | Meta-Analysis |
| e250008 | Jitanong Sootlek, Ranistha Ratanarat | Electrical impedance tomography in critical care: Advancing bedside respiratory monitoring and ventilation management | Review Articles |
| e250009 | Touchapong Taksinwarajarn, Tananchai Petnak | Management of critically ill obstetric patients | Review Articles |
| e250010 | Karuna Chavalertsakul, Jakkrit Laikitmongkhon | Viscoelastography interpretation | Review Articles |
| e250011 | Pawarisa Chaisuthikun, Kittikorn Kittirukwarakorn, Nattanon Pornchaisakuldee | Diagnosis of brain death | Review Articles |
| e250012 | Nonpisit Tangkitkiatkul, Taweevat Assavapokee | Diaphragmatic ultrasound: A clinical perspective on diaphragm function in the ICU | Review Articles |
| e250013 | Nipaporn Chuntratip, Piyatida Borvornsudhasin, Sudarat Tippinit | The development of clinical nursing practice guideline (CNPG) for patients undergoing coronary artery bypass graft surgery | Original Articles |

Table 1. (Continued) Publication title on *Clinical Critical Care* 2025.

| Number | Author | Title | Section |
|---------|---|---|----------------------|
| e250014 | Thanadate Sirithanasarn, Jaras Pitawiathan-anont, Anan Chuasawan | End expiratory occlusion test and tidal volume challenge test for assess fluid responsiveness in prone patients | Original Articles |
| e250015 | Nuttapon Lertkankasuk, Jaras Pitawiathan-anont, Anan Chueasawan | Effect of positive end-expiratory pressure on intracranial pressure in post cranial surgery using ultrasonic imaging measurement the optic nerve sheath diameter | Original Articles |
| e250016 | Panu Boontoterm, Siraruj Sakoolnamarka, Peera Nakla-or, Prateep Phontien, Pusit Fuengfoo | The treatment and monitoring of aneurysmal subarachnoid hemorrhage in critically ill patients | Review Articles |
| e250017 | Suneerat Kongsayreepong, Phongsatorn Janyong | Platypnea and orthodeoxia syndrome due to a right-to-left shunt via the foramen ovale in the absence of pulmonary hypertension after orthotopic liver transplantation: Sequelae leading to brain abscess: A case report | Case Report |
| e250018 | Chompoonut Achavanuntakul, Karikarn Auksornchat | Overcoming combined shock: Hydrocortisone's role in adrenal insufficiency after unilateral adrenal gland injury - case report | Case Report |
| e250019 | Sawita Cowawintaweevat, Napplika Kong-polprom | Effects of nasal continuous positive airway pressure compared with high flow nasal cannula on the coordination between swallowing and breathing in post-extubation patients, a randomized crossover study | Research Protocol |
| e250020 | Adisak Chaisrima, Kaweesak Chittawatanarat, Konlawij Trongtrakul | Calcium channel blocker overdose in real world practice: A case report | Case Report |
| e250021 | Nuwara Pornawalai, Ranistha Ratanarat, Tanuwong Viarasilpa | Effect of dynamic arterial elastance and assisted fluid management software guided resuscitation in septic shock: Pilot study | Research Protocol |
| e250022 | Pitirat Panpruang, Sahaphume Srisuma | Irritant and asphyxiant gases | Review Articles |
| e250023 | Noppon Taksaudom, Chawakorn Leampri-boon, Thitipong Tepsuwan, Apichat Tantraworasin, Yutthaphan Wannasopha, Amarit Pothikul, Surin Woragidpoonpol | Diagnostic value of mediastinal/chest ratio in acute traumatic aortic injury | Original Articles |
| e250024 | Camila Gomes Dall'Aqua, Bruno Vinícius Castello Branco, André Luis Vieira Drumond, Marina Ayres Delgado | Metaraminol in critical care and anesthesia: A safe alternative for hypotension management? | Letter to the Editor |
| e250025 | Suthat Rungruanghiranya, Kaweesak Chittawatanarat | Annual overview of Clinical Critical Care: Publication performance, scholarly trends, reviewer, and future directions | Editorial |

INDEXING STATUS AND FUTURE DIRECTION

A major achievement in 2025 was the journal's official inclusion in the Thai-Journal Citation Index (TCI) Tier 1 [1], with certification valid from January 2025 through December 2029. This recognition affirms the journal's adherence to national quality standards in academic publishing and represents a critical step toward broader international visibility.

Looking ahead, *Clinical Critical Care* is committed to maintaining and enhancing publication quality through strict peer-review standards, editorial transparency, and adherence to international reporting guidelines. Strategic priorities include improving citation performance, increasing international authorship and readership, and strengthening editorial governance. These efforts aim to position the journal for inclusion in higher-tier international indexing databases, such as Scopus, and other recognized bibliographic platforms.

REVIEWERS IN 2025

The success of *Clinical Critical Care* is fundamentally supported by its peer reviewers. In 2025, 39 expert reviewers (Table 2) from diverse institutions and subspecialties contributed their time and expertise to ensure scientific accuracy, methodological rigor, and clinical relevance. Their constructive feedback played a vital role in enhancing manuscript quality and maintaining the integrity of the publication process.

The editorial board expresses sincere appreciation to all reviewers for their professionalism, dedication, and commitment to academic excellence. Their contributions are essential to sustaining the journal's standards and fostering a culture of scholarly collaboration.

Table 2. *Clinical Critical Care* Reviewers in 2025.

| Reviewer Name | Position | Institution |
|---|--|--|
|  | Aosaree Akaraborworn Associate Professor M.D. | Department of Surgery, Faculty of Medicine, Prince of Songkhla University, Songkhla, Thailand |
|  | Chaianan Sodapak M.D. | Division of Anesthesia and Critical Care Medicine, Sunpasittiprasong Hospital, Ubon Ratchathani, Thailand |
|  | Chutima Jiranakorn Assistant Professor M.D. | Division of Internal Medicine and Critical Care Medicine, Hat Yai Hospital, Songkhla, Thailand |
|  | Jirapong Vongsfak Assistant Professor M.D. | Division of Neurosurgery, Department of Surgery, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Jonathan A Tangsrivimol M.D. | Division of Neurosurgery, Princess Srisavangavadhana Faculty of Medicine, Chulabhorn Royal Academy, Bangkok, Thailand |
|  | Kaweesak Chittawatanarat Professor M.D.; Ph.D. | Division of Trauma and Surgical Critical Care; Department of Surgery, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Keiichi Tada M.D. | Division of Anesthesiology and Critical Care Medicine, Hiroshima Seaside Hospital, Hiroshima, Japan |

Table 2. (Continued) Clinical Critical Care Reviewers in 2025.

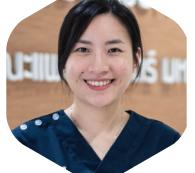
| Reviewer Name | Position | Institution |
|---|---|---|
|  | Natsuda Phothikun M.D. | Department of Anesthesiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Nawaporn Assanangkornchai M.D. | Division of Critical Care Medicine, Faculty of Medicine, Prince of Songkhla University, Songkhla, Thailand |
|  | Nonthakorn Hantrakun M.D. | Department of Internal Medicine, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Noppon Thaksaudom Assistant Professor M.D. | Department of Surgery, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Nuttapon Lertkankasuk M.D. | Division of Neurosurgery, Department of Surgery, Bhumibol Adulyadej Hospital, Bangkok, Thailand |
|  | Onuma Chaiwat Associate Professor M.D. | Department of Anesthesiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand |
|  | Panu Boontoterm Assistant Professor M.D. | Department of neurosurgery, Phramongkutklao Hospital, Bangkok, Thailand |
|  | Pattarin Pirompanich Associate Professor M.D. | Department of Internal Medicine, Faculty of Medicine, Thammasat University, Thailand |
|  | Pavita Laohakul M.D. | Department of Emergency Medicine, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |

Table 2. (Continued) Clinical Critical Care Reviewers in 2025.

| Reviewer Name | Position | Institution |
|---|---|---|
|  | Piya Cherntanomwong M.D. | Department of Surgery, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand |
|  | Ploytip Jansiriyotin M.D. | Department of Surgery, Khon Kaen University, Khon Kaen, Thailand |
|  | Polporn Apiwattanasawee M.D. | Department of Ear, Nose and Throat; Faculty of Medicine, Navamindradhiraj University, Bangkok, Thailand |
|  | Pongdhep Theerawit Associate Professor M.D. | Division of Critical Care Medicine, Department of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand |
|  | Pornrat Chinda M.D. | Anesthesiology unit, Hua Hin Hospital, Prachuap Khiri Khan, Thailand |
|  | Prit Kusirisin Assistant Professor M.D. | Department of Medicine, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Raksakul Kuanha M.D. | Department of Anesthesiology, King Chulalongkorn Memorial Hospital, Bangkok, Thailand |
|  | Rungsrit Kanjanavanit M.D. | Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Rungsun Bhurayanontachai Associate Professor M.D. | Department of Internal Medicine, Faculty of Medicine, Prince of Songkhla University, Songkhla, Thailand |

Table 2. (Continued) *Clinical Critical Care* Reviewers in 2025.

| Reviewer Name | Position | Institution |
|---|--|---|
|  | Sadana Divyajot M.D. | Department of Critical Care Medicine, Respiratory Institute, Cleveland Clinic, Cleveland, (OH), USA. |
|  | Srisuluk Kacha M.D. | Department of Anesthesiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Suchaya Luewan Associate Professor M.D. | Department of obstetrics and gynecology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Suksan Kanoksin M.D. | Head of Cardiovascular and Thoracic Surgery Unit of Chulabhorn Royal Academy, Bangkok, Thailand |
|  | Sumawadee Boonyasurak M.D. | Division of Critical Care Medicine, Unity health network and unity health Toronto, the University of Toronto, Canada |
|  | Surat Tongyoo Associate Professor M.D. | Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand |
|  | Suthat Rungruanghiranya Associate Professor M.D. | Department of Internal Medicine, Faculty of Medicine, Kasetsart University, Thailand |
|  | Suthinee Taesotikul Assistant Professor | Department of Pharmaceutical Care, Chiang Mai University, Chiang Mai, Thailand |
|  | Tanuwong Viarasilpa M.D. | Division of Critical Care, Department of Medicine Siriraj Hospital, Mahidol University, Thailand |

Table 2. (Continued) *Clinical Critical Care* Reviewers in 2025.

| Reviewer Name | Position | Institution |
|---|--|---|
|  | Taweevat Kornrit M.D. | Division of Cardiovascular and Thoracic Surgery, Department of Surgery, Phramongkutklao Hospital, Bangkok, Thailand |
|  | Thammasak Thawitsri Assistant Professor M.D. | Department of Anesthesiology, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand |
|  | Theerakorn Theerakittikul Associate Professor M.D. | Division of Pulmonology, Critical Care and Allergy, Department of Internal Medicine, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand |
|  | Thipdhorn Aritajati M.D. | Department of Internal Medicine, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand |
|  | Thiti Sricharoenchai Associate Professor M.D. | Department of Medicine, Thammasat University, Bangkok, Thailand |

SUMMARY AND FUTURE DIRECTION

In summary, 2025 represents a year of substantial progress for *Clinical Critical Care*, marked by increased publication volume, diversified article types, and strengthened academic standing through TCI Tier 1 indexing. These achievements reflect the collective efforts of authors, reviewers, editors, and affiliated professional societies.

Moving forward, the journal remains committed to serving as a high-quality academic forum for critical care medicine, promoting clinically relevant research, and advancing toward greater international recognition. Through continued collaboration and unwavering dedication to excellence, *Clinical Critical Care* aims to contribute meaningfully to the evolving landscape of critical care medicine in Thailand and beyond.

REFERENCE

1. Chittawatanarat K, Rungruanghiranya S. Publications in 2024 and reviewers in 2021 - 2024 on Clinical Critical Care and indexing in Thai-Journal Citation Index - Tier 1 (valid 2025 - 2029): Publications, reviewer and TCI Tier-1. *Clinical Critical Care*. 2025;33:e250003.

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