

# CURRICULUM VITAE

**Family name:** LE  
**Given name:** Minh Khoi  
**Place of Birth:** Quang Ngai, Viet Nam  
**Nationality:** Vietnamese



**Languages:** Vietnamese, English, French, German  
**Academic title** Associate Professor, MD  
**Specialty** Pediatric Cardiology, Echocardiography, Cardiac intensive care  
**Position:**  
1. Senior Lecturer at Department of Critical Medicine, University of Medicine and Pharmacy at Ho Chi Minh City;  
2. Manager, Science & Training Department; and Head, Unit of Cardiovascular Imaging, The Cardiovascular Center, University Medical Center.  
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## GRADUATE AND POSTGRADUATE EDUCATION

**03/2018-05/2018** Visiting Scholar at Fetal Cardiovascular Program at UCSF Benioff Children's Hospital, University of California, San Francisco, United States (Under Prof. Anita Moon-Grady).  
**06/2017-07/2018** Observership at the Department of Pediatric Cardiology and Pediatric Cardiac Intensive Care Unit, Okayama University Hospital, Okayama, Japan.  
**12/2013-1/2014** Observership at the Department of Pediatric Cardiology and

- Pediatric Cardiac Intensive Care Unit, Seoul National University Hospital, Seoul, South Korea.
- 09/2012-09/2013** Fellow in Pediatric Cardiology (Cardiac Intensive Care, Imaging and Intervention) at Paediatric and Congenital Heart Centre, National Heart Institute (IJN), Kuala Lumpur, Malaysia.
- 07/2011-09/2011** Observership at the Department of Pediatric Intensive Care, Children Hospital, University Hospitals, Geneva, Switzerland.
- 10/2008-11/2008** Observership at the Department of Pediatric Cardiology and Intensive Care, Grosshadern University Hospital, Ludwig-Maximilians University, Munich, Germany.
- 01/2007-09/2007** Trainee in Echocardiography by Dr. Raik Severin, Department of Cardiology, South Rostock Municipal Hospital, Rostock, Germany.
- 06/2005-10/2007** Scholar funded by the German Academic Exchange Service (DAAD) as research fellow for Doctoral Degree in Medicine (Doctor Medicinae) at the Institute for Experimental Surgery, Medical Faculty, University of Rostock, Germany. Doctoral dissertation's title "The therapeutic efficacy of the erythropoietin analogue, darbepoetin alpha, in experimental endotoxemic acute liver failure". Honor: **Suma cum laude**.
- 11/2002-10/2003** Resident physician in pediatrics at the Neonatal and Pediatric Intensive Care Unit, North Hospital, University Hospital of Medical Faculty, University Jules Verne-Picardie, France. Mémoire: "Explorations hémodynamiques en réanimation pédiatrique et néonatale par échocardiographie-Doppler". Honor: **Excellent**.
- 09/1999-09/2002** Resident physician in pediatrics, master of science in medicine, Hue University of Medicine and Pharmacy, Viet Nam. Master dissertation's title "Studying the power of inflammation detecting

tests in differentiating the acute bacterial meningitis from viral encephalitis in children”. Honor: **Excellent**.

**09/1992-09/1998** Medical student, Hue University of Medicine and Pharmacy, Vietnam. Diploma dissertation’s title “Investigating cardiac complications in adult patients with hyperthyroidism”. Honor: **Good**.

## PEER-REVIEWED PUBLICATIONS

1. **Le Minh K, Klemm K, Abshagen K, Eipel C, Menger MD, Vollmar B.** Attenuation of inflammation and apoptosis by pre- and post-treatment of darbepoetin alpha in acute liver failure of mice. *Am J Pathol*. 2007 Jun;170(6):1954-63.
2. **Le Minh K, Kuhla A, Abshagen K, Minor T, Stegemann J, Ibrahim S, Eipel C, Vollmar B.** Uncoupling protein-2 deficiency provides protection in a murine model of endotoxemic acute liver failure. *Crit Care Med*. 2009; 37(1):215-222.
3. **Eipel C, Kidess E, Abshagen K, Le Minh K, Menger MD, Burkhardt H, Vollmar B.** Antileukoproteinase protects against hepatic inflammation, but not apoptosis in the response of D-galactosamine-sensitized mice to lipopolysaccharide. *Br J Pharmacol*. 2007 Jun;151(3):406-13.
4. **Le Minh K, Berger A, Eipel C, Kuhla A, Minor T, Stegemann J, Vollmar B.** Uncoupling Protein-2 Deficient Mice Are Not Protected Against Warm Ischemia/Reperfusion Injury of the Liver. *Journal of Surgical Research*. In Press (Available online from 11<sup>th</sup> May 2010). DOI: 10.1016/j.jss.2010.04.028.
5. **Vo Tuan Anh, Cao Dang Khang, Le Minh Khoi, Nguyen Hoang Dinh.** Left isomerism syndrome with total anomalous systemic connection. *Asian Cardiovasc Thorac Ann*. 2015 Nov 26. pii: 0218492315618507. [Epub ahead of print]
6. **Vo Tuan Anh, Le Minh Khoi, Nguyen Thu Trang, Vu Tri Thanh, Vu Tam Thien, Nguyen Hoang Dinh.** Acute retrograde type A intramural hematoma

- treated with an endovascular approach. Asian Cardiovasc Thorac Ann. 2018 May;26(4):308-310.
7. **Nguyen Hoang Dinh, Vo Tuan Anh, Le Minh Khoi, Vu Tam Thien, Nguyen Thu Trang, Vu Tri Thanh, Pham Tran Viet Chuong, Truong Quang Binh.** Minimally Invasive Ozaki Procedure in Aortic Valve Disease: The Preliminary Results. Innovations (Phila). 2018 Sep/Oct;13(5):332-337.
  8. **Truong Quang Binh, Dao Anh Quoc, Do Nguyen Tin, Le Minh Khoi.** Percutaneous atrial septal defect closure through femoral and transjugular approaches in patients with interrupted inferior vena cava. J Cardiol Cases. 2018 Jun 9;18(3):106-109.
  9. **Anh Tuan Vo, Dinh Hoang Nguyen, Sy Van Hoang, Khoi Minh Le, Thu Trang Nguyen, Vuong Lam Nguyen, Bac Hoang Nguyen, Binh Quang Truong.** Learning curve in minimally invasive mitral valve surgery: a single-center experience. Journal of Cardiothoracic Surgery. 2019, 14:213.
  10. **Dinh H. Nguyen, Anh T. Vo, Trang T. Nguyen, Khoi M. Le, Binh Q. Truong, and Bac H. Nguyen.** Minimally invasive aortic valve reconstruction with autologous pericardium: how we do it. Ann Cardiothorac Surg. 2019 May; 8(3): 444–446.
  11. **Dinh Nguyen, Anh Vo, Chuong Pham, Trang Nguyen, Thanh Vu, Khoi Le, Bac Nguyen.** Minimally invasive surgical repair of accessory mitral valve tissue: A case report. International Journal of Surgery Case Reports. 2020, 72:160-162.
  12. **Vo A.T., Nguyen, N.T.H., Le K.M. et al.** Mitral prosthetic size predictor in minimally invasive mitral valve replacement. J Cardiothorac Surg 15, 147 (2020). <https://doi.org/10.1186/s13019-020-01197-w>.
  13. **Bac Hoang Nguyen, Khang Dang Cao, Pham Thi Hieu Thao, Anh Tuan Vo, Khoi Minh Le.** Anomalous left coronary artery from the pulmonary artery (ALCAPA) as a concealed cause of severe mitral regurgitation in children and adults: case reports. International Journal of Surgery Case Reports. 2020, 75: 147-151.

14. **Nguyen Hoang Bac, Nguyen Hoang Dinh, Truong Quang Binh, Le Minh Khoi**. Severe aortic regurgitation following blunt chest trauma due to home accident. Asian Cardiovasc Thorac Ann. 2020 Nov 5;218492320972227. doi: 10.1177/0218492320972227. Epub ahead of print. PMID: 33153276.
15. **Hoang Bac Nguyen, Hoang Dinh Nguyen, Thi Thanh Thuy Tran and Minh Khoi Le**. Cardiogenic Shock Secondary to Dynamic Left Ventricular Outflow Tract Obstruction and Apical Ballooning after Nonmitral Cardiovascular Surgery. Case Reports in Critical Care. Volume 2020 |Article ID 8826187 | <https://doi.org/10.1155/2020/8826187>.
16. **Vu Hoang Vu, Nguyen Duong Khang, Mai Thanh Thao, Le Minh Khoi**. Acute Pulmonary Embolism Associated with Low-Dose Olanzapine in a Patient without Risk Factors for Venous Thromboembolism. Case Rep Vasc Med. 2021 Jul 27;2021:5138509. doi: 10.1155/2021/5138509. PMID: 34354848; PMCID: PMC8331313.
17. **Nguyen Hoang Bac, Nguyen Hoang Dinh, Phan Van Thuan, Tran Chau Bich Ha, Le Minh Khoi**. Atrial Myxoma on Atrial Septal Defect Occlusion Device: A Rare but True Occurrence. CASE (Phila). 2021;5(4):204-208. Published 2021 Jun 22.
18. **Nguyen Hoang Bac, Le Thi Xuan Thao, Nguyen Huu Huy, Vo Thanh Thanh, Le Minh Khoi, Nguyen Ngan Trung, Do-Nguyen Thien Minh, Truong-Nguyen Cong Minh, Nguyen Thi Bang Suong**. Diagnostic Value of hTERT mRNA and in Combination With AFP, AFP-L3%, Des- $\gamma$ -carboxyprothrombin for Screening of Hepatocellular Carcinoma in Liver Cirrhosis Patients HBV or HCV-Related. Cancer Inform. 2022 May 20;21:11769351221100730.
19. **Nguyen Hoang Bac, Nguyen Thi Bang Suong, Nguyen Huu Huy, Nguyen Trung Tin, Le Minh Khoi**. The Mutation Spectrum and Two Novel Point Mutations in the APC Gene in Vietnamese Patients with Familial Adenomatous Polyposis. Asian Pac J Cancer Prev. 2022 May 1;23(5):1517-1522. doi: 10.31557/APJCP.2022.23.5.1517. PMID: 35633533.
20. **Le Viet Tran, Ha Quoc Hung, Tran Minh Triet, Le Ngoc Trong, Le Van Tuyen, Le Minh Khoi**. Hyperglycemia in Severe and Critical COVID-19

- Patients: Risk Factors and Outcomes. Cureus. 2022;14(8):e27611. Published 2022 Aug 2. doi:10.7759/cureus.27611.
21. **Phan Quang Thuan, Pham Phan Phuong Phuong, Huynh Phuong Nguyet Anh, Le Phi Long and Le Minh Khoi**. Surgical treatment of tension pneumomediastinum in patients with covid-19 at the field hospital: a case series. Journal of Cardiothoracic Surgery. 2022; 17:202. doi: 10.1186/s13019-022-01966-9.
  22. **Le Minh Khoi, Nguyen Thanh Hieu**. Peripartum Cardiomyopathy-Induced Cardiogenic Shock Causing Hypoxic-Ischemic Encephalopathy in a COVID-19 Patient. Case Rep Crit Care. 2022;2022:7114732. doi:10.1155/2022/7114732
  23. **Bui-Thi HD, Nguyen DK, To GK, T-D Bui, H Tran, M-D Nguyen, Minh Khoi Le**. Uncovering hypercoagulation status using rotational thromboelastometry in patients with sepsis presented with hypocoagulation based on conventional coagulation tests: an observational study. Eur Rev Med Pharmacol Sci. 2023;27(10):4492-4503.
  24. **Bui-Thi HD; Kien To Gia, Le Minh Khoi**. Coagulation profiles in patients with sepsis/septic shock identify mixed hypo-hypercoagulation patterns based on rotational thromboelastometry: A prospective observational study. Thromb Res. 2023;227:51-59.
  25. **Vu VH, Nguyen TC, Pham QDD, Pham DN, Le LB, Le Minh Khoi**. Prevalence and impact of myocardial injury among patients hospitalized with COVID-19. Front Cardiovasc Med. 2023;10:1202332.
  26. **Anh-Minh Vu Phan, Hai-Yen Thi Hoang, Thanh-Son Truong Do, Trung Quoc Hoang, Thuan Van Phan, Nguyet-Anh Phuong Huynh, Khoi Minh Le**. High-flow nasal cannula therapy in patients with COVID-19 in intensive care units in a country with limited resources: a single-center experience. J Int Med Res. 2023;51(8):3000605231193580.
  27. **Bui The Dung, Nguyen Thanh Hien, Nguyen Hoang Dinh, Ngo Quoc Dat, Le Minh Khoi, Tran Hoa, Tran Ba Hieu, and Nguyen Minh Duc**. Multiple serous membrane effusion caused by primary pericardial mesothelioma. Radiol Case Rep. 2023;18(9):2903-2906.

28. **Tran D, Thanh Dung N, Minh Duc C, Ngoc Hon H, Minh Khoi L, Phuc Hau N, Thi Thu Huyen D, Thi Le Thu H, Van Duc T, VITAL (Vietnam ICU Translational Applications Laboratory) Investigators , Minh Yen L, Thwaites C, Paton C.** Status of Digital Health Technology Adoption in 5 Vietnamese Hospitals: Cross-Sectional Assessment. *JMIR Form Res* 2025;9:e53483. DOI: 10.2196/53483.
29. **Hoang-Bac Nguyen, Bang-Suong Nguyen-Thi, Huu-Huy Nguyen, Minh-Khoi Le, Quoc-Trung Lam, Tuan-Anh Nguyen.** Assessing mutation-clinical correlations and treatment outcomes in Vietnamese non-small cell lung cancer patients. *Practical Laboratory Medicine* 2025; 45, e00477. DOI: 10.1016/j.plabm.2025.e00477.

## AWARDS

1. The best doctoral dissertation (the only one award for the period of 2 years 2005-2007). The 18<sup>th</sup> National Workshop on Experimental and Clinical Liver Transplantation and Hepatology. Wilsede, Germany the 15th June 2007.
2. Winner in a worldwide competition to participate in the 57th Meeting of the Nobel Laureates and young researchers. Lindau, 1-6 June 2007.

## SOCIAL ACTIVITIES

1. Writing and Translation (medicine, literature, culture). Author of poems, short stories, prose published in different national newspapers, and author of 2 literature books.
2. Charity work for needy children in remote areas and children from minority ethnic groups in Central Highland.