

# GEORGE SHIAKOS, MUDr.

Cardiac surgeon/Intensivist

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Date of Birth: 2<sup>nd</sup> April 1984

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## Summary

Cardiac surgeon with experience in the whole spectrum of cardiac surgery as well as pre and postoperative transthoracic and transesophageal echocardiographic evaluation. Additional certification in intensive care medicine with specialization in cardiosurgical intensive care.

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## Military Service

*July 2002-August 2004.*

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## Education

*September 2004-August 2010: MUDr. (Medical Doctor),  
1<sup>st</sup> Faculty of Medicine, Charles University in Prague.*

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## Curriculum Vitae

*January 2011-July 2011: German language B2 Certificate*

*4<sup>th</sup> October 2011: License to practice medicine in Germany*

*"Approbation als Arzt"*

*March 2012- May 2020: Sana Herzchirurgie Stuttgart, surgical resident*

*-1<sup>st</sup> February 2015-31<sup>st</sup> July 2015: Klinikum Stuttgart,  
Katharinen Hospital, Interdisciplinary Emergency room.*

*Training in the diagnosis and treatment of a wide  
spectrum of both surgical and internal medicine patients.*

-31<sup>st</sup> July 2015: Completion of the surgical “Common Trunk”.

-30<sup>th</sup> June 2016-31<sup>st</sup> December 2016: Sana Herzchirurgie Stuttgart, Intensive Care Unit.

-30<sup>th</sup> June 2017-31<sup>st</sup> December 2017: Sana Herzchirurgie Stuttgart, Intensive Care Unit.

-30<sup>th</sup> April 2018-10<sup>th</sup> June 2018: Herz und Gefäßzentrum Oberallgäu Kempten, Cardiology/interventional cardiology rotation.

-1<sup>st</sup> February 2019-31<sup>st</sup> July 2019: Sana Herzchirurgie Stuttgart, Intensive Care Unit.

*14<sup>th</sup> May 2020: Specialization in Cardiac surgery.*

*May 2020-May 2021: Attending cardiac surgeon, Sana Herzchirurgie Stuttgart.*

*09<sup>th</sup> June 2021: Certification/Subspecialisation in intensive care medicine.*

*1<sup>st</sup> July 2021-today: Cardiac surgeon and Intensivist, Cardiac Innovation Center at Apollonion private hospital, Nicosia, Cyprus. **Head of the cardiosurgical ICU team.***

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### Memberships

-German Society for Thoracic and Cardiovascular Surgery (DGTHG, Deutsche Gesellschaft für Thorax, Herz und Gefäßchirurgie).

-European Association for Cardiothoracic Surgery (EACTS).

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### Special interests

In addition to the spectrum of cardiac surgery, special interest in preoperative and postoperative echocardiographic examination with the performance of over 2800 transthoracic

echocardiographic examinations. Knowledge of transesophageal echocardiography in relation to the field of cardiac surgery. Extended experience in cardiosurgical intensive care medicine as well as treatment and management of patients with temporary assist devices (ECLS, ECMO, IABP).

It is my firm belief that the cardiosurgical patient be treated as part of a multidisciplinary approach (cardiology/cardiac surgery/intensive medicine) so as to provide the best standard of care, from admission to discharge. High quality surgical therapy must be complemented by individualized postoperative care, rational antibiotic use and early and intensive physical therapy in order to achieve the best possible outcomes.

Clinical training of medical students, both in the OR as well as in the intensive care unit is also a focus of my everyday practice. My goal is to motivate our future colleagues and create an interest in the field of cardiac surgery and cardiosurgical intensive care.

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### **Foreign Languages**

English, German.

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## Affiliations

Clinical Assistant Professor, European University Cyprus,  
Medical School.

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## Publications

1. Rohan Suresh Daniel, Georgia K. Schmidt, Hayato Nakanishi, Karen Smayra, Mariah N. Mascara, Dilip K. Vankayalapati, Reem H. Matar, Christian A. Than, George Shiakos, Ioannis Tzanavaros. ***Transcatheter Closure vs. Surgical Ligation in Preterm Infants with Patent Ductus Arteriosus: A Systematic Review and Meta-Analysis.*** Congenital Heart Disease 2023, 18(2), 245-265.
2. Mariana Flaifel, Rohan Suresh Daniel, Hayato Nakanishi, Christian A Than, George Shiakos, and Ioannis Tzanavaros. ***A Novel Approach for the Treatment of Pulmonary Artery Aneurysm Repair Using Inclusion Technique: A Case Report.*** Cureus. 2023, 15(3): e36456.
3. Stelios Ioannou, George Shiakos, Theodoros Ntoskas, Elias Papasavvas, Violetta Anastasiadi, Nikoleta Betsimea Loizides, Petros Mavrommatis, Ioannis Tzanavaros. ***Twin hearts—minimally invasive mitral valve repair in twin sisters with mitral annular disjunction and Loeys-Dietz syndrome: a case series.*** Journal of Surgical Case Reports, Volume 2023, Issue 6, June 2023, rjad344.
4. Stelios Ioannou, George Shiakos, Volker Ocker, Andreas Rousounides, Ioannis Tzanavaros. ***Minimally invasive pulmonary valve replacement through a left anterior minithoracotomy in young patients with pectus excavatum. The procedure of choice.*** Journal of Surgical Case Reports, Volume 2024, Issue 8, August 2024, rjae500.
5. Ioannis Tzanavaros, Margarita Bartsota, Alex Kamougeros, Anna Sophocleous, George Shiakos, Stelios Ioannou, Monica Shiakou (2024). ***Συγγενείς Καρδιοπάθειες: Από την διάγνωση στη θεραπεία.*** Nicosia, Lithostar Creative Printing, ISBN: 978-9925-621-73-6.
6. Liranne Bitton, Rohan Suresh Daniel, Mariana Flaifel, Christian A. Than, George Shiakos, Ioannis Tzanavaros. ***Beating Heart Pulmonary Valve Replacement: Technique of Pulmonary Valve Replacement with a***

**Biological Valve.** Operative Techniques in Thoracic and Cardiovascular Surgery, <https://doi.org/10.1053/j.optechstcvs.2024.07.002>.

7. Alex Kamougeros, George Shiakos, Stelios Ioannou, Ioannis Tzanavaros, Zeyad Al-Jazrawi, Beatrice Ioannou. ***A heart so black: a case of alkaptonuric ochronosis of the aortic and mitral valves in a female patient with severe aortic valve stenosis and coronary artery disease.*** Journal of Surgical Case Reports, Volume 2024, Issue 10, October 2024, rjae644.