



DESPRE MINE

Prof. univ. Dr. UMFCD
PD Dr. med. habil TU Muenchen

EXPERIENȚA PROFESIONALĂ

Spitalul Universitar de Urgenta Bucuresti Bucuresti , România

Sef Sectie Chirurgie Cardiovasculara

30/06/2024 - În curs

din 2024 Medic Sef Sectie - Sectia Clinica Chirurgie Cardiovasculara Spitalul Universitar de Urgenta Bucuresti

din 2024 Chirurg Colaborator - Medic Primar Chirurgie Cardiovasculara Spitalul Nord-Provita Bucuresti

2015 - 2024 Chirurg Colaborator - Medic Primar Chirurgie Cardiovasculara Spitalul Monza Bucuresti

2015 - 2024 Medic Coordonator Compartiment Clinic Chirurgie Cardiovascular - Spitalul Universitar de Urgenta Bucuresti

din 2015 Medic primar Chirurgie Cardiovasculara Spitalul Universitar de Urgenta Bucuresti

2011 - 2014 Medic Primar (Funktionsoberarzt) Chirurgie Cardiovasculara German Heart Centre Munich (Prof. R. Lange)

2014 - 2015 Medic specialist - Chirurgie Cardiovasculara Institutul de Boli Cardiovasculare si Transplant Tirgu Mures

2010 - 2011 Medic specialist - Chirurgie Cardiovasculara -German Heart Centre Munich

2010 - 2011 Fellowship - Terapia intensiva in Chirurgia Cardiaca / Chirurgie Cardiovasculara - German Heart Centre Munich

2003 - 2010 Rezident - Chirurgie Cardiovasculara, German Heart Centre Munich
Experienta chirurgicala: 300-350 operatii pe an ca prim operator

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

01/10/2025 - ÎN CURS

Profesor universitar UMF Carol Davila

2025 - Profesor universitar UMF Carol Davila

2021 - Conferentiar universitar UMF Carol Davila

2014 - PD. Dr. med habil - Technische Universität München

2023 - Decizie de recunoastere a diplomei de abilitare in domeniul Medicina - Nr 1502 din 17.01.2023

2014 - Habilitare si Venia Legendi - Technische Universität München – Dreptul de predare a specialitatii chirurgicale in cadru universitar si conducere doctorate.

Tema lucrarii :

“Plastia valvei aortice si pastrarea valvei aortice in cadrul operatiilor de inlocuire a aortei ascendente – indicatiile, tehnici chirurgicale si rezultate”

“Aortic valve repair and aortic valve sparing root replacement - indications, surgical techniques and results”

2015 - Recunoasterea de catre Ministerul Educatiei si Cercetarii Stiintifice a titlului de Doctor in medicina (71.512/20.02.2015)

2015 - Recunoasterea de catre Ministerul Educatiei si Cercetarii Stiintifice a titlului de Conferentiar Universitar obtinut la Technische Universitaet Muenchen (81598/20.08.2015)

2015 - Medic Primar Chirurgie Cardiovasculara (Concurs MS-11104/2015)

2015 - Recunoasterea calificarii ca medic specialist Chirurgie Cardiovasculara prin OMS nr. 352/23.03.2015

2016 - Atestat Managementul Sanitar - Universitatea Lucian Blaga Sibiu

2013 - Acordarea prin examen a supraspecializarii in Terapia Intensiva in Chirurgia Cardiaca de catre “Bavarian State Chamber of Physicians”

2011 - Academic Training and Certification - TUM MeDiCAL - Center of Medical Education

2010 - Acordarea prin examen a titlului de specialist in chirurgie cardiaca de catre “Bavarian State Chamber of Physicians”

2007 - Acordarea titlului de Doctor in stiinte medicale cu calificativul “Magnacum Laude” – Tema tezei de doctorat (operativ- experimentală cu operatii cu CEC):

“Effect of C1-esterase inhibitor on myocardial function and area of risk after ischemia and reperfusion in a swine model”

“Efectul inhibarii selective sistemice a sistemului complement cu C1 inhibitor esteraza asupra leziunii miocardice post infarct miocardic si post revascularizare intr-un model porcine”

**Prof. univ. habil. Dr.
Catalin Constantin
Badiu .**

CONTACT

 catalin.badiu@umfcd.ro

www.cardiochirurgie.ro



2003 – Examenul de stat in cadrul facultatii de medicina - Technische Universitat Munchen - **Licenta pentru practicarea medicinei**

2002 - "Internship" in cadrul departamentului de Chirurgie Cardiovasculara
German Heart Centre Munich, Technische Universität München

2002-2003 - "Internship" in cadrul departamentului de Cardiologie si Gastroenterologie, Spitalul Universitar "Rechts der Isar",
Technische Universität München

2002-2003 - "Internship" in cadrul departamentului de Anestezie
Spitalul Universitar "Rechts der Isar", Technische Universität München

1997-2003 -Facultatea de medicina generala in cadrul universitatii "Ludwig- Maximilians Universität München" si "Technische Universität München"

1994-1995 - Facultateade Biochimie - **Universitatea Bucuresti**

1996 - Absolvent al liceului "Bayernkolleg" Schweinfurt / Germania

1993 - Absolvental liceului "Hermann Oberth" Bucuresti / Romania

Cursuri post universitare

1. 12th Symposium on Aortic Valve Reconstructive Surgery- Brussels- June 2012
2. Training on transfemoral aortic valve implantation - Budapest - January 2017
3. Training on transapical aortic valve implantation - Nyon -February 2017
4. Advanced Course on Mitral and Tricuspid Valve - Munich November 2014
5. Training course - Endovascular laser treatment of lower limb varicosis- Italy - October 2013
6. Joint Meeting of the Society for Heart Valve Disease & Heart Valve Society of America - in Berlin - June 2009
7. Bleeding complication management - Wet Lab - sponsored by Ethicon Biosurgery - in Norderstedt - October 2009
8. Cardiovascular Disease between Intervention and Surgery - in Munich - November 2008
9. 10th Annual Symposium on Current Perspectives of Extracorporeal Circulation - in Munich - April 2008
10. Training course - Diagnostic radiology - in Munich - March 2007
11. Focus on congenital cardiac surgery - the 4th International combined live symposium - in Munich - December 2006
12. Update on Aortic Surgery - in Munich - June 2004
13. Team Approach to TAVI Training 23-24 January 2017 Budapest, Hungary
14. Edwards SAPIEN 3 THV Fundamentals Training 22-23 February 2017, Nyon Switzerland

Activitati didactice:

1. Curs teoretic de examinare clinica pentru studenti (Ludwig Maximilians Universitaet Muenchen si Technische Universitaet Muenchen) 2008 -2014
2. Curs practic de examinare clinica pentru studenti 2008-2014
3. Curs practic despre tehnicile operatorii in chirurgia cardiaca 2010-2014
4. Tehnici si tehnologii in chirurgia cardiaca – curs teoretic pentru studentii de la "Universitatea Pentru Stiinte Aplicate" München 2012-2014
5. Lector in cadrul programului posdru "Cordisped" - UMF Targu Mures 2015
6. Cursuri rezidenti Cardiologie UMF Carol Davila 2017/2018
7. Cursuri de Chirurgie Cardiovasculară pentru studenții din anul IV în cadrul modului de Cardiologie.
8. Lucrări practice desfășurate la Centrul de Simulare al UMFCD : Tratamentul endovascular al anevrismelor de aortă – simulator Angio Mentor
9. Conferințe pentru studenți și medici rezidenți de tip « Career Café » (ex : Abordarea minim invazivă a patologiei valvulare mitrale, Chirurgia endoscopică)
10. Ateliere practice pentru studenți și medici rezidenți : Protezarea valvulară aortică și bypassul aorto-coronarian pe cord porcine ;
11. Ateliere practice de simulare medicală a procedurilor endovasculare de tip TEVAR/EVAR pentru studenți și medici rezidenți

Indrumator doctorat:

1. "Evaluation of two different surgical techniques for valve sparing root replacement inpatients with ascending aorta aneurysm or dissection. Influence of preoperative anatomy, pathology and clinical state on the long-term outcome."
2. "Aortic valvrepair - a comparison of clinic and echocardiographic long-term outcome betweenpatients with bicuspid or tricuspid aortic."
3. "Bentaloperation vs. Aortic valve sparing root replacement - comparison of quality oflife and clinical long-term outcome."

Indrumator licenta:

1. Rezultate pe termen mediu si lung in plastia valvulara aortica cu sau fara protezare de aorta ascendenta
2. Boala coronariana cu afectare de trunchi comun. Studiu comparativ intre tratamentul chirurgical si cel interventional

Societati profesionale si activitate in cadrul publicatiilor de specialitate:

Membru: European Association for Cardio-Thoracic Surgery, Society for Heart Valve Disease, German Association for Cardiovascular and Thoracic Surgery, Romanian Association for Cardiovascular Surgery, Endoscopic Cardiac Surgeons Club

Publicatii internationale:

h-index - 14

1: Catalin C. Badiu*, Rüdiger Lange*, Manfred Vogt, Bernhard Voss, Jürgen Hörer, Zsolt Prodan, Christian Schreiber, Domenico Mazzitelli

Valve-sparing root replacement in children with aortic root aneurysm: mid-term results

Eur J Cardiothorac Surg. 2013 May;43(5):958-64.

* Both authors contributed equally

2: Catalin Constantin Badiu , Constantinos Sideris, Marcus André Deutsch, Markus Krane, Ina Hettich, Bernhard Voss, Domenico Mazzitelli, Rüdiger Lange

Aortic root replacement: Comparison of clinical outcome between different surgical techniques

Eur J Cardiothorac Surg. 2014 Oct;46(4):685-92

3: Catalin C. Badiu, Bernhard Voss, Magdalena Dorfmeister, Rüdiger Lange

Valve-sparing root replacement: Where are the limits?

Tex Heart Inst J 2011;38(6):661-2)

4: Catalin C. Badiu, Sabine Bleiziffer, Walter B. Eichinger, Iva Zaimova, Andrea Hutter, Domenico Mazzitelli, Bernhard Voss, Rüdiger Lange

Are bicuspid aortic valves a limitation for aortic valve repair?

Eur J Cardiothorac Surg. 2011 Nov;40(5):1097-104.

5: Catalin Constantin Badiu, Sabine Bleiziffer, Anke Opitz, Ina Hettich, Marcus-Andre Deutsch, Markus Krane, Bernhard Voss, Rüdiger Lange

Hemodynamic performance of the Biovalsalva Valved Conduit after Aortic Root Replacement

J Heart Valve Dis. 2014 Jan;23(1):97-104

6: Catalin C. Badiu, Sabine Bleiziffer, Walter B. Eichinger, Ina Hettich, Markus Krane, Robert Bauernschmitt, Rüdiger Lange

Long-term performance of the Hancock bioprosthetic valved conduit in aortic root position

J Heart Valve Dis, 2011. 20(2): p.191-98.

7: Badiu CC, Eichinger W, Bleiziffer S, Hermes G, Hettich I, Krane M, Bauernschmitt R, Lange R.

[Should root replacement with aortic valve-sparing be offered to patients with bicuspid valves or severe aortic regurgitation?](#)

Eur J Cardiothorac Surg. 2010 Nov;38(5):515-22. Epub 2010 Apr 18.

8: Badiu CC, Schreiber C, Hörer J, Ruzicka DJ, Wottke M, Cleuziou J, Krane M, Lange R.

[Early timing of surgical intervention in patients with Ebstein's anomaly predicts superior long-term outcome.](#)

Eur J Cardiothorac Surg. 2010 Jan;37(1):186-92. Epub 2009 Aug 19.

9: Badiu CC, Eichinger W, Ruzicka D, Hettich I, Bleiziffer S, Bauernschmitt R, Lange R

Long-term performance of the Hancock bioprosthetic conduit for aortic root replacement

Thoracic and Cardiovascular Surgeon - 01/2008; 56

10: Badiu CC, Vasilescu A, Danet A, Zimnicaru OA, Tudorica S, Blindaru AC, Tudor C

How to Perform a Late Explantation of a SapienXT Transcatheter Aortic Prosthesis

J. of Cardiac Surgery- 2020- J Card Surg 2020:1-3

▪

11: Lange R, Burri M, Eschenbach LK, Badiu CC, da Silva JP, Nagdyman N, Fratz S, Hörer J, Kühn A, Schreiber C, Vogt MO.

Da Silva's cone repair for Ebstein's anomaly: effect on right ventricular size and function

Eur J Cardiothorac Surg. 2015 Aug;48(2):316-20

12: Krane M, Deutsch MA, Piazza N, Muhtarova T, Elhmidi Y, Mazzitelli D, Voss B, Ruge H, Badiu CC, Kornek M, Bleiziffer S, Lange R.

One-Year Results of Health-Related Quality-of-Life Among Patients Undergoing Transcatheter Aortic Valve Implantation.

Am J Cardiol. 2012 Jun 15;109(12):1774-81

13: Mazzitelli D, Nöbauer C, Rankin JS, Badiu CC, Krane M, Crooke PS, Cohn WE, Opitz A, Schreiber C, Lange R.

[Early results after implantation of a new geometric annuloplasty ring for aortic valve repair.](#)

Ann Thorac Surg. 2013 Jan;95(1):94-7

14: D. Mazzitelli, C. Nöbauer, J. S. Rankin, C. C. Badiu, M. Dorfmeister, P. S. Crooke, A. Wagner, C. Schreiber, R. Lange

Early Results of a Novel Technique for Ring-Reinforced Aortic Valve and Root Restoration

Eur J Cardiothorac Surg. 2013, Nov 12 [Epub ahead of print]

15: Deutsch MA, Krane M, Schneider L, Wottke M, Kornek M, Elhmidi Y, Badiu CC, Bleiziffer S, Voss B, Lange R
Health-Related Quality of Life and Functional Outcome in Cardiac Surgical Patients Aged 80 Years and Older: A Prospective Single Center Study
J Card Surg. 2014 Jan;29 (1):14-21

16: Elhmidi Y, Gunzinger R, Deutsch MA, Badiu CC, Krane M, Lage R
Outcomes of Patients Undergoing Third-Time Aortic or Mitral Valve Replacement
J Card Surg. 2014 Jan; 29 (1):8-13

17: Krane M, Voss B, Hiebinger A, Deutsch MA, Wottke M, Hapfelmeier A, Badiu CC, Bauernschmitt R, Lange R
[Twenty years of cardiac surgery in patients aged 80 years and older: risks and benefits.](#)
Ann Thorac Surg. 2011 Feb;91(2):506-13.

18: Voss B, Bauernschmitt R, Brockmann G, Krane M, Badiu CC, Lange R
Sternal reconstruction with plates and cables in complicated sternal dehiscence
Thoracic and Cardiovascular Surgeon - 01/2010; 58

19: Gozar H, Gozar L, Badiu CC, Suci H- (Corresponding Author)
Congenital umbilical arterio-venous malformation: A word of caution
Inter CardioVasc and Thor Surg. 2014 May;18(5):688-9

20: Krane M, Mazzitelli D, Schreiber U, Garzia AM, Braun S, Voss B, Badiu CC, Brockmann G, Lange R, Bauernschmitt R.
[LIFEBRIDGE B2T--a new portable cardiopulmonary bypass system.](#)
ASAIO J. 2010 Jan-Feb;56(1):52-6.

21: Ruzicka DJ, Hettich I, Hutter A, Bleiziffer S, Badiu CC, Bauernschmitt R, Lange R, Eichinger WB.
[The complete supraannular concept: in vivo hemodynamics of bovine and porcine aortic bioprostheses.](#)
Circulation. 2009 Sep 15;120(11 Suppl):S139-45.

22: Krane M, Bauernschmitt R, Voss B, Badiu CC, Lange R.
[Right ventricular fibroma in a 61-year-old man.](#)
Thorac Cardiovasc Surg. 2009 Jun;57(4):235-7. Epub 2009 May 20.

23: Krane M, Bauernschmitt R, Hiebinger A, Wottke M, Voss B, Badiu CC, Lange R.
[Cardiac reoperation in patients aged 80 years and older.](#)
Ann Thorac Surg. 2009 May;87(5):1379-85.

24: Eichinger W, Badiu CC, Hettich I, DJ Ruzicka, Hutter A, Bleiziffer S, Bauernschmitt R, Lange R
Surgical repair techniques of complex sinus of valsalva aneurysm with perforation or involvement of the coronary ostia
Thoracic and Cardiovascular Surgeon-01/2009;56

25: Bleiziffer S, Eichinger WB, Hettich IM, Ruzicka D, Badiu CC, Guenzinger R, Bauernschmitt R, Lange R.
[Hemodynamic characterization of the Sorin Mitroflow pericardial bioprosthesis at rest and exercise.](#)
J Heart Valve Dis. 2009 Jan;18(1):95-100.

26: Krane M, Bauernschmitt R, Hiebinger A, Voss B, Badiu CC, Wottke M, Lange R
No differences in long term survival between primary cardiac surgery and cardiac reoperation in patients aged 80 years and older
Thoracic and Cardiovascular Surgeon- 01/2009;56

27: Krane M, Dummler S, Dressen M, Lahm H, Tesche C, Wildhirt S, Voss B, Badiu CC, Lange R, Bauernschmitt R
Identification of an up-regulated anti-apoptotic gene network in the internal thoracic artery compared to the radial artery
Atherosclerosis Supplements-01/2009; 10(2)

28: Eichinger W, Badiu CC, Ruzicka D, Hettich I, Bleiziffer S, BAuernschmitt R, Lange R
Aortic valve-sparing operations: reimplantation vs. remodeling
Thoracic and Cardiovascular Surgeon 01/2008; 56

29: Schreiber C, Heimisch W, Schad H, Brkic A, Badiu C, Lange R, Bauernschmitt R.
[C1-INH and its effect on infarct size and ventricular function in an acute pig model of infarction, cardiopulmonary bypass, and reperfusion.](#)
Thorac Cardiovasc Surg. 2006 Jun;54(4):227-32.

30: [B Voss](#), [R Bauernschmitt](#), [G Brockmann](#), [M Krane](#), CC Badiu, [R Lange](#)

[Sternal reconstruction with plates and cables in complicated sternal dehiscence](#)
Thoracic and Cardiovascular Surgeon - THORAC CARDIOVASC SURG. 01/2010; 58.

31: [W Eichinger](#), CC Badiu, [I Hettich](#), [DJ Ruzicka](#), [A Hutter](#), [S Bleiziffer](#), [R Bauernschmitt](#), [R Lange](#)
[Surgical repair techniques of complex sinus of valsalva aneurysms with perforation or involvement of the coronary ostia](#)
The Thoracic and Cardiovascular Surgeon 01/2009; 56

32: [M Krane](#), [S Dummler](#), [M Dreßen](#), [H Lahm](#), [C Tesche](#), [S Wildhirt](#), [B Voss](#), C Badiu, [R Lange](#), [R Bauernschmitt](#)
[Abstract: 1511 IDENTIFICATION OF AN UP-REGULATED ANTI-APOPTOTIC GENE NETWORK IN THE INTERNAL THORACIC ARTERY COMPARED TO THE RADIAL ARTERY](#)
Atherosclerosis Supplements - ATHEROSCLER SUPPL. 01/2009; 10(2).

33: [I Hettich](#), [D Ruzicka](#), [A Hutter](#), [S Bleiziffer](#), CC Badiu, [R Bauernschmitt](#), [W Eichinger](#), [R Lange](#)
[Bovine and porcine aortic stentless bioprostheses: a hemodynamic comparison](#)
Thoracic and Cardiovascular Surgeon - THORAC CARDIOVASC SURG. 01/2008; 56.

34: [S. Dummler](#), [M. Krane](#), [M. Dressen](#), [H. Lahm](#), [C. Tesche](#), [H. Hauner](#), [S. Wildhirt](#), [B. Voss](#), C.C. Badiu, [R. Lange](#), [R. Bauernschmitt](#)
[Antiapoptotic Network May Contribute to Atherosclerotic Resistance of the Internal Thoracic Artery](#)
Arteriosclerosis Thrombosis and Vascular Biology 29(7):E46-E47. · 6.34 Impact Factor

35: [M. Krane](#), [D. Mazzitelli](#), [U. Schreiber](#), [A. Mendoza Garzia](#), [B. Voss](#), C.C. Badiu, [R. Lange](#), [R. Bauernschmitt](#) Conference Paper: [First experience with a new portable cardiopulmonary bypass system - LIFEBRIDGE B2T with percutaneous femoral cannulation](#) Computers in Cardiology, 2008; 10/2008

36: Deutsch MA, Prinzing A, Fiegl K, Wotke M, Badiu CC, Krane M, Goppel G, Bleiziffer S, Guenzinger R, Lange R.
[Early haemodynamic performance of a latest generation supra-annular aortic bioprosthesis: experience from a large single-centre series.](#)
Eur J Cardiothorac Surg. 2016 Jun;49(6):1691-8. Epub 2015 Dec 10.

37: Kottmaier M, Hettich I, Deutsch MA, Badiu C, Krane M, Lange R, Bleiziffer S.
Quality of life and anxiety in younger patients after biological versus mechanical aortic valve replacement.
Thorac Cardiovasc Surg. 2017 Apr;65(3):198-205. Epub 2016 Jul 5.

38: Anghel F, **Badiu CC**, Poncelet AJ. [Bicuspidisation of unicuspid stenotic pulmonary valve in a nine-year-old male.](#) Cardiol Young. 2024 May;34(5):1153-1155. doi: 10.1017/S104795112400043X. Epub 2024 Mar 26. PMID: 38528794

39: Blindaru A, Vasilescu A, Danet A, Zimnicaru O, Cristu M, Tudorica S, Borjog T, Patrascu O, **Badiu CC**. [Surgical resection of a giant cardiac angiosarcoma and reconstruction of involved right heart structures: A case report.](#)
.Front Cardiovasc Med. 2023 Mar 1;10:1115962. doi: 10.3389/fcvm.2023.1115962. eCollection 2023. PMID: 36937946

40: **Badiu CC**, Blindaru A, Danet A, Cristu M, Anghel F. [Evolut transcatheter aortic valve replacement explant and aortic root repair with an annular patch in the setting of endocarditis.](#) Multimed Man Cardiothorac Surg. 2024 Aug 29;2024. doi: 10.1510/mmcts.2024.062. PMID: 39206793

41: Darabont RO, Ene C, Nicula AI, Badiu CC, Vinereanu D. [Constrictive Pericarditis in the Light of Multimodal Cardiac Imaging. A Case Report.](#) Maedica (Bucur). 2023 Jun;18(2):342-347. doi: 10.26574/maedica.2023.18.2.342. PMID: 37588817

Congrese si Conferinte:

1. Catalin Constantin Badiu

Aortic valve sparing operations: Where are the limits?

Lecture and Abstract - 10th meeting of the Romanian Society of Cardiovascular Surgery, Iasi, Romania September 2014

2. Badiu Catalin Constantin, Mazzitelli Domenico, Bleiziffer Sabine, Krane Markus, Hettich Ina, Deutsch Markus André, Voss Bernhard, Lange Rüdiger

Should root replacement with aortic valve-sparing be offered to patients with severe aortic regurgitation?

Lecture and Abstract- 8th meeting of the Romanian Society of Cardiovascular Surgery, Poiana Brasov, Romania October 2012

3. C.C.Badiu, C.Schreiber, DJ. Ruzicka, J. Hoerer, M. Krane, R. Lange

Early timing of surgical intervention in patients with Ebstein's anomaly predicts superior long-term outcome

Lecture and Abstract - 8th meeting of the Romanian Society of Cardiovascular Surgery, Tg. Mures, Romania October 2008

4. Badiu C.C. - Aortic valve sparing root replacement - What do we know after two decades? - Invited Lecture- 15th meeting of the Romanian Society of Cardiovascular Surgery, Poiana Brasov, Romania October 2019

5. Badiu C.C., Danet A., Enescu OA., Trasca L., Vasilescu A.-

Aortic valve repair: Standardized techniques with excellent perioperative results also in complex regurgitation mechanisms

Lecture and Abstract - SRCCV Meeting - Poiana Brasov - Oct. 2017

6. Badiu C.C., Danet A., Enescu OA., Trasca L., Vasilescu A

Mitral valve repair: Standard procedure not only for high volume centers

Lecture and Abstract- SRCCV Meeting - Poiana Brasov - Oct. 2017

7. Badiu C. C., Lange R
Valvular preservation in aortic root pathology
Special invited Lecture - 52th Meeting of the Romanian Society of Cardiology - Sinaia/Romania 03-05. October 2013
8. Badiu C. C. -Management of congenital heart diseases with severe neonatal symptoms
Special invited Lecture - Up-to-date in pregnancy and infertility - Constanta - 19-20 September 2014
9. Badiu C.C. - Plastia valvulara mitrala- Inlocuieste tratamentul interventional chirurgia conventionala?
Invited Lecture - 54th Meeting of the Romanian Society of Cardiology - Sinaia/Romania 17-20. September 2015
10. Badiu C. C. - Surgical repair of the aortic valve
Invited Lecture - 55th Meeting of the Romanian Society of Cardiology - Sinaia/Romania 21-25. September 2016
11. Badiu C. C. - Heart Surgery- Past, Present and Future
Special invited Lecture - SOMS/Medics- Bucharest 30.Nov-2. Apr. 2017
12. Badiu C.C. - Mitral Valve Repair: From surgical anatomy to surgical strategy
Invited Lecture - 17lea Congres de Medicina Interna - Caciulata / Romania 29.Mar-01.Apr. 2017
13. Badiu C. C. - Minimally invasive mitral valve surgery -
Special invited Lecture - 45 Years of Cardiac Surgery in Tirgu Mures -Tirgu Mures 5-7 Apr. 2018
14. Badiu C.C. - Valve-sparing root replacement: Standardized techniques with only few limitations -
Invited Lecture - 2nd meeting "Progrese în Cardiologie și Chirurgie Cardiovasculară", Cluj-Napoca, 17-19 Mai, 2018
15. Badiu C.C. - Aortic root pathologies- Surgical approach -
Invited Lecture - 57th Meeting of the Romanian Society of Cardiology Sinaia/Romania 19-23. September 2018
16. Badiu C. C. - Surgical Treatment in Heart Failure
Invited Lecture - Congresul Universitatii de Medicina si Farmacie Carol Davila- Bucharest/Romania 7-9 June 2018
17. Badiu C. C. - Aortic valve sparing operations: Where are we after two decades? –
Invited Lecture - East meets West Conference Bucharest/ Romania 4-6 Oct 2018
18. Badiu C. C. - Minimally invasive mitral valve surgery: Short and mid-term results using a step-by-step approach-
Invited Lecture- Primul congres al societatii romane de chirurgie cardiaca minim invaziva- Cluj/ Romania- 6-7 Iunie 2019
19. Badiu C. C. - Mitral Valve Surgery in dilated cardiomyopathy-International Medical Conference - "Bridge over time: 20 years since the first cardiac transplant in Tirgu Mures"- Special invited Lecture- Tg. Mures/Romania- Oct 2019
-
20. Badiu C. C. - The future of aortic root surgery-
Invited Lecture- 58th Meeting of the Romanian Society of Cardiology. Sinaia/Romania . September 2019
21. Badiu C. C. - Surgical strategies in mitral regurgitation.
Invited Lecture - 59th Meeting of the Romanian Society of Cardiology. September 2020
22. Badiu C. C. - Complex patient with severe aortic stenosis – The benefits of open heart surgery
Invited Lecture - 60th Meeting of the Romanian Society of Cardiology. September 2021
23. Badiu C. C. - Surgical late explatation of TAVR prosthesis
Lecture - SRCCV Meeting Poiana Brasov 2021
24. Badiu C. C. - Aortic valve repair – where are we now?
Invited Lecture - SRCCV Meeting Poiana Brasov 2021
25. Badiu C. C. - Endocardita infectioasa- Tratamentul chirurgical- cand si cum intervenim?
Invited Lecture - Congresul national de Medicina Interna - Complex Caciulata 7-10 April 2022
26. Badiu C. C. - MV- surgery in DCM: How can results be improved?
Invited Lecture – Conferinta de Primavara a SRC – Mai 2022
27. Badiu C. C. - Aortic valve sparing root replacement- when and how
Invited Lecture – Congresul Spitalului Monza – Bucuresti – Mai 2022
28. Badiu C. C. - Hypertrophic Cardiomyopathies - Surgical myectomy -
Invited Lecture - Hereditary Cardiovascular Diseases - 6th edition- 2022
29. Badiu C. C. - Innovative techniques in cardiac surgery - The pressure of advanced technology-
Invited Lecture - Tehnologia & IHealth in Medicina Secolului XXI, Targu Mures- 6-9 Iulie 2022.

30. Badiu C. C. - Infective Endocarditis - Surgical approach difficulties -
Invited Lecture - 61st Meeting of the Romanian Society of Cardiology. September 2022
31. Badiu C. C. - MV- surgery in DCM: we should do better
Invited Lecture - East meets West - Bucharest 2022
32. Badiu C. C. - Aortic Valve Sparing Root Replacement - When and How?
Invited Lecture - SRCCV Meeting Poiana Brasov 2022
33. Badiu C. C. - MV- surgery in DCM: how can results be improved
Invited Lecture - SRCCV Meeting Poiana Brasov 2022
34. Badiu C. C. - Severe aortic stenosis: When is SAVR superior to TAVI?
Invited Lecture - 62nd Meeting of the Romanian Society of Cardiology. September 2023
35. Badiu C. C. - Infective Endocarditis - When to call a surgeon and?
Lecture - Congres UMFCD 2023
-
36. Badiu C. C. - Surgical strategies in aortic root operations
Invited Lecture - Conferinta- 50 ani de Chirurgie Cardiovasculara- Tg Mures 05-07.April 2023
37. Badiu C. C. - Aortic Root Aneurysm Disease - Which surgical procedure should be used and for which patient?
Invited Lecture - The 18th National Congres of the Society of Cardiovascular Surgery - Cluj 23-25. November 2023
38. Badiu C. C. - Totally endoscopic mitral valve surgery- A step -by- step approach-
Invited Lecture - The 18th National Congres of the Society of Cardiovascular Surgery - Cluj 23-25. November 2023
39. Badiu C. C. Chirurgia endoscopică- Standardul viitorului în Chirurgia Cardiovasculară?-
Invited Lecture -Bucharest Leaders Summit: Licence for a Better World- Bucuresti- April 2024
40. Badiu C. C. - Tratatamentul valvulopatiilor in chirurgia cardiaca moderna-
Invited Lecture - Conferinta Urgemed - Bucuresti - June - 2024
41. Badiu C. C. - Endoscopic Cardiac Surgery -Pushing the Boundaries in Modern Cardiovascular Surgery
Special Invited Lecture - 3rd European Congress of Veterinary Endoscopy and Minimally Invasive Surgery- Sinaia - August 2024
42. Badiu C. C. - Aortic Root Aneurysm Disease - Which surgical procedure should be used and for which patient?
Invited Lecture - Zilele Cardiologiei Craiovene - Craiova - 5-6 September 2024
43. Badiu C. C. - Badiu C. C. - Totally endoscopic cardiac surgery - THE FUTURE IS TODAY - Zilele IUBCVT- Tg. Mures-
November 2024
44. Badiu C. C. - From minimally invasive to totally endoscopic heart surgery
Invited Lecture - 63rd Meeting of the Romanian Society of Cardiology. September 2024
45. Badiu C. C. - When is SAVR superior to TAVI?
Invited Lecture - Cardiogal- Galati - October- 2024
46. Badiu C. C. - Totally endoscopic cardiac surgery - THE FUTURE IS TODAY -
Invited Lecture - The 19th National Congres of the Society of Cardiovascular Surgery - Cluj 23-25. November 2024
47. Badiu C. C. - Totally endoscopic cardiac surgery - the road to the future -
Invited Lecture - Craiova Connects- April 2025

Distinctii onorifice si premii:

- Lilly-Quality of Life Preis 2013 - Impreuna cu echipa de cercetare pentru studiul cu titlul: " Prospektive Evaluation der Lebensqualität bei Patienten vor und nach kathetergestutzter Aortenklappenimplantation"
- Cetatean de onoare al Municipiului Bucuresti - Decembrie 2018

Studii finantate si granturi:

Study Name: HAART 300 Trial

Time Range: 2011 - 2013

Device Name: HAART model 300 annuloplasty ring Exact role (eg. PI, Co-Invest.): Co-Invest. Type of study (eg. pre-, post-market): pre-market Study Number: EUDAMED CIV-11-09-002501

Study Name: Leistungsfähigkeit und Sicherheit des NeoChord-Nahtgeräts bei Probanden mit degenerativer, schwergradiger Mitralsuffizienz
Time Range: 2010 -2012
Device Name: NeoChord
Exact role (eg. PI, Co-Invest.): Co-Invest.
Type of study (eg. pre-, post-market): pre-market Study number: Projektnr. 2731/10

Study Name: HAART 300 Trial - Extended Safety and Performance (HAART ESP) Time Range: since 2013 Device Name: HAART model 300 annuloplasty ring
Exact role (eg. PI, Co-Invest.): Co-Invest.
Type of study (eg. pre-, post-market): pre-market
Study number: DIMDI Nr.: 00021477 - Projektnr. 5489/12

Study Name: SURTAVI Time Range: since 2013
Device Name: Medtronic Core Valve System
Exact role (eg. PI, Co-Invest.): PI
Type of study (eg. pre-, post-market): randomized trial Study Number:Projektnr.: 5512/12 CIV-11-12-003403 - Antragsnr.: 00007841

Study Name: HAART 200: The HAART 200 Aortic Valve Annuloplasty during Bicuspid Aortic -Valve Reconstruction
Trial Time Range: since 2013
Device Name: HAART model 200 bicuspid annuloplasty ring
Exact role (eg. PI, Co-Invest.): Co-Invest.
Type of study (eg. pre-, post-market): pre-market
Study Number: Projektnr. : 5929/13 - DIMDI Nr. :00008208

Study Name: Hämodynamische Funktion des Biovalsalva TM Porcine Aortic Valve Conduit Time Range: 2008-2012
Device Name: Biovalsalva TM Porcine Aortic Valve Conduit
Exact role (eg. PI, Co-Invest.): PI
Type of study (eg. pre-, post-market): post-market, retrospektiv

Study Name: Trifecta Study
Time Range: 2009-2011
Device Name: Trifecta Valve
Exact role (eg. PI, Co-Invest.): Co-Invest.
Type of study (eg. pre-, post-market): post-market Study Number: Projektnr. 2220/08

Study Name: COVEUCV0140
A premarket, prospective, randomized, single blind study to compare the Veriset Hemostatic Patch to Tachosil as an adjunct to hemostasis in subjects undergoing cardiovascular surgery
Time Range: since 2013
Device Name: Veriset Hemostatic Patch
Exact role (eg. PI, Co-Invest.): Co-Invest.
Type of study (eg. pre-, post-market): randomized trial
Study Number: Projektnr. EUDAMED: CIV-12-04-006321

Study Name: Innovative nature of the Helical-type Artery Bypass Graft: Demonstrator/Model Time Range: 2017 - 2019
Exact role (eg. PI, Co-Invest.): Co-Invest.
Project PNIII - PED235/2017 code PN-III-P2-2.1-PED-2016-0293

Study Name: Dezvoltarea infrastructurii publice de cercetare, dezvoltare si crearea de noi infrastructuri - DIPCDCI
Time Range: 2018 - 2020
Exact role (eg. PI, Co-Invest.): PI/Co- Invest
Cod Proiect: MySMIS 107124
Academia de Stiinte Medicale din Romania Director proiect - Prof. Dr. Radu Deac

COMPETENȚE LINGVISTICE

LIMBĂ(I) MATERNĂ(E): română

Altă limbă (Alte limbi):

germană

Comprehensiune orală C2

Producerea de mesaje orale C2

Citit C2

Conversație C2

Scris C2

engleză

Comprehensiune orală C2

Producerea de mesaje orale C2

Citit C2

Conversație C2

Scris C2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

COMPETENTE DIGITALE

- O buna cunoastere a programului SPSS, Utilizare foarte buna a programelor de comunicare (Word, PowerPoint, Excel, Access)