**1. PERSONAL DETAILS**

Full Name: Fadel Bahouth

Identity No: 034811554

Date of birth: 13/6/1978

Place of birth: Israel

Marital status: married

Phone numbers: 0502065826

E-mail: fadelbahouth@gmail.com

Orcid Account: 0000-0003-4353-9703

e-mail: fadelbahouth@gmail.com

License No. 37463

**2. ACADEMIC DEGREES**

2005: MD, Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2002 BA, Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

**3. PROFESSIONAL EXPERIENCE**

2023 to present: Director of Heart Failure Unit and Director of cardiovascular research unit, EMMS Nazareth hospital.

2020 to 2023: Director of Intensive Cardiac Care Unit, Bnai-Zion Medical Center, Haifa, Israel.

2018 to 2020: Deputy Director, Department of Internal Medicine H, Rambam Health Care Campus, Haifa, Israel.

2015**:** Joint Commission International Tracer

2014 to 2020: Senior in Heart Failure Clinic, Rambam Health Care Campus, Haifa, Israel .

2014 to 2020: Senior Physician, Cardiology Department, Rambam Health Care Campus, Haifa, Israel .

2012 to 2020: Senior Physician, Department of Internal Medicine H, Rambam Health Care Campus, Haifa, Israel .

2010-2014: Resident in the Cardiology Department, Rambam Health Care Campus, Haifa, Israel

2009-2010: Senior Physician, Department of Internal Medicine B, Rambam Health Care Campus, Haifa, Israel

2006-2009: Resident in the Department of Internal Medicine B, Rambam Health Care Campus, Haifa, Israel.

2005-2006: Rotating Internship, Rambam Health Care Campus, Haifa, Israel.

**4. COURSES AND TRAININGS**

2014, Nov. 2021: Good Clinical Practice (G.C.P.), Israel Medical Association

2018 – 2019: Postgraduate Course in Heart Failure, European Heart Academy, Zurich, Switzerland

2024: HFA Advanced Heart Failure course 2024 , Vienna

**5. RESEARCH INTERESTS:**

* Acute Heart Failure
* Chronic Heart Failure
* Acute Coronary Syndrome
* Atrial Fibrillation
* Tachyarrhythmia

**6. TEACHING EXPERIENCE**

2006 – 2009: Tutor, Internal Medicine rotation ship, 4th, 5th,6th years medical students, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2010 – 2012: Lecturer, Nursing Intensive Cardiac Care, Nursing Course, University of Haifa, Haifa, Israel

2012 – 2014: Tutor, Cardiology Round, 5th, 6th years medical students, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2012 – 2020: Lecturer, Internal Medicine rotation ship, 4th, 5th,6th years medical students, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2015-2015: Instructor of Problem Base Learning Course in Cardiology for 4th year medical students at the Bruce Rappaport Faculty of Medicine. Department of Internal Medicine B, Rambam Healthcare Campus, Haifa, Israel

2015 - 2018: Teacher, Problem Base Learning Course in Cardiology, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2020-2023: Lecturer, Internal Medicine rotation ship, 4th, 6th years medical students, Bnei Zion Internship, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2020-2023: Lecturer, Cardiology round 5th, 6th years medical students, Bnei Zion Hospital, Cardiology department, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2023: Lecturer, 4th year medical students – Bar-Ilan university, Faculty of medicine

Heart Failure

**7. FACULTY ACTIVITIES**

2012 - 2012: Participating in developing Academic Teaching Career Program, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2010 - 2020: Member of Final Practice Examination Committee, Internal Medicine, Bruce Rappaport Faculty of Medicine (MAMTAK), Technion-Israel Institute of Technology, Haifa, Israel

2011 - 2021 - Member of Final Examination Committee, Internal Medicine, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

2022 2023: Capsule Course 4th, 5th year students of medicine, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

**8. PUBLIC PROFESSIONAL ACTIVITIES**

* Reviewer of American Journal of Cardiology
* Reviewer of Scientic Reports
* Reviewer of BMC Cardiovascular Disorders
* Reviewer of European Heart Journal – Acute Cardiovascular Care

**9. MEMBERSHIP IN PROFESSIONAL SOCIETIES**

* Israel Heart Society
* Israel Medical Association
* European Society of Cardiology
* European Heart Failure Association
* European Society of Heart Academy
* European Acute Cardiovascular Care Association

**10. HONORS**

* 2011, 2012, 2013, 2014, 2015: Award for special Contribution for teaching Internal Medicine ,Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel.
* 2023: Award of Excellent Lecturer, Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

**11. GRADUATE STUDENTS**

1. Student Maria Zahran, 2017: " The Prognostic and Therapeutic Values of Positive Troponin among Patients with SupraVentricular Tachycardia (co- supervisors: Dr. Mahmood Suleiman). Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel. Completed MD Theses

2. Student Jeries Farah, 2019: The Prognostic and Therapeutic Characteristics of Heart Failure Among Elderly Patients With Hypertrophic Cardiomyopathy. (co- supervisors: Prof. Zaher Azzam). Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel. Completed MD Theses

3. Student Emad Khoury, 2021: “ The prognostic value of beta blocker dosage and heart rate at discharge among patients with acute decompensation of heart failure with reduced EF”. (co- supervisors: Prof. Zaher Azzam). Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel. Completed MD Theses.

4. Student Gabriel Kardahge, 2021: “RDW at admission as a predictor of bleeding and recurrent MI among ACS patients”. Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel. Completed MD Theses.

5. Shaked Yeskin, 2023: “ Clinical outcome of localization of pleural effusion in patients with acute decompensated heart failure”. Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel. MD

Completed MD Theses.

**12. COMPLETED BASIC SCIENCE THESES**

1. Geriatric Theses, 2019: "The prognostic and therapeutic values of adherence to current guidelines in elderly patients with LV systolic dysfunction". (co- supervisors: Prof. Zaher Azzam).

2. Anesthesiologist Theses 2022: “The prognostic value of heart rate at discharge among patients with acute decompensation of heart failure with reduced left ventricular ejection fraction.

3. Anesthiologist Theses 2023: “Tricuspid regurgitation velocity at admission as a prognostic predictor in acute heart failure”.

4. Imaging Theses 2023: “Distribution of pleural effusion as a predictor of outcome and mortality among acute decompensated heart failure patients”.

5. Internal Medicine theses 2023: “Elevated RDW at admission as a predictor of bleeding and recurrent MI among ACS patients”.

6. Internal Medicine theses 2023: “The prognostic importance of admission uric acid levels among patients with acute heart failure”.

**13. Reviewr of MD Theses, Faculty of medicine, Bar-Ilan University:**

- Yield of Ischemic Evaluation in Patients Presenting with Acute Heart Failure: a retrospective study, Bitiah LELLOUCHE

**14. SCIENCE THESES IN PROGRESS**

1. Strategies for Improving Door-to-Needle Times of Patients with ST-Segment Elevation Myocardial Infarction (STEMI), five years period experiences.

Dr. Elias Dahud, Internal Medicine “A” Department, Bnei-Zion Hospital.

2. Addressing the effect of cummulative dose of intravenous diuretics (loop diuretics) in all cause mortality in 90 days, rehospitalization, renal function and length of stay.

Dr. Aiman Hanna, Internal Medicine EMMS Nazareth Hospital.

**15. RESEARCH INTERESTS**

Acute Heart Failure

Chronic Heart Failure

Acute Coronary Syndrome

Atrial Fibrillation

Tachyarrhythmia

**16. ACCEPTED PAPERS:**

1. **Bahouth F**, Mutlak D, Furman M, Musallam A, Hammerman H, Lessick J, Dabbah S, Reisner S, Agmon Y, Aronson D, Relationship of Functional Mitral Regurgitation to New-Onset Atrial Fibrillation in Acute Myocardial Infarction

Heart. 2010 May;96(9):683-8.

2. Aronson D, Mutlak D, **Bahouth F**, Bishara R, Hammerman H, Lessick J, Carasso S, Dabbah S, Reisner S, Agmon Y, Restrictive Left Ventricular Filling Pattern and Risk of New-Onset Atrial Fibrillation After Acute Myocardial Infarction

Am J Cardiol. 2011 Jun 15;107(12):1738-43.

3. Bishara R, Telman G, **Bahouth F**, Lessick J, Aronson D, Transient Atrial Fibrillation and Risk of Stroke after Acute Myocardial Infarction

Thromb Haemost. 2011 Nov;106(5):877-84

4. Makhoul BF, Khourieh A, Kaplan M, **Bahouth F**, Aronson D, Azzam ZS, Relation Between Changes in Red Cell Distribution Width and Clinical Outcomes in Acute Decompensated Heart Failure

Int J Cardiol. 2013 Aug 20;167(4):1412-6

5. Zaher S. Azzam, Safa Kinaneh, **Fadel Bahouth**, Reem Ismael-Badarneh, Emad Khoury and Zaid Abassi. Involvement of Cytokines in the Pathogenesis of Salt and Water Imbalance in Congestive Heart Failure

Front Immunol. 2017 Jun 19;8:716. doi: 10.3389/fimmu.2017.00716. eCollection 2017.

6. Johad Khoury**, Fadel Bahouth**, Yoav Stabholz, Adi Elias, Tanya Mashiach, Doron Aronson, Zaher S. Azzam. Blood urea nitrogen variation upon admission and at discharge in patients with heart failure

ESC Heart Failure: 2019 Aug; 6(4): 809–816.

7. Itai Ghersin, Maria Zahran, Zaher S.Azzam, Mahmoud Suleiman, **Fadel Bahouth.**

Prognostic value of cardiac troponin levels in patients presenting with supraventricular tachycardias.

J Electrocardiology. 2020 Sep 19; 62: 200-203 [Epub ahead of print]

8. Adi Elias, Reham Agbarieh , Walid Saliba, Johad Khoury, **Fadel Bahouth**, Jeries Nashashibi, Zaher S.Azzam

SOFA score and short‑term mortality in acute decompensated heart failure

Scientific Reports 2020 Nov; 10: S4 1598-020

9. **Bahouth F**, Elias A, Ghersin I, Khoury E, Bar O, Sholy H, Khoury J, Azzam ZS.

[The prognostic value of heart rate at discharge in acute decompensation of heart failure with reduced ejection fraction.](https://pubmed.ncbi.nlm.nih.gov/34821080/)
ESC Heart Fail. 2021 Nov 25. doi: 10.1002/ehf2.13710. Online ahead of print.

10. P5550The prognostic and therapeutic characteristics of heart failure among elderly patients with hypertrophic cardiomyopathy.

[European Heart Journal](https://www.researchgate.net/journal/European-Heart-Journal-1522-9645) October 2019 40(Supplement\_1)

DOI:[10.1093/eurheartj/ehz746.0494](http://dx.doi.org/10.1093/eurheartj/ehz746.0494)

11. Charles Fauvel, Guillaume Bonnet, Wilfried Mullens, Clara Ines Saldarriaga Giraldo, Anja Zupan Mežnar, Anders Barasa, Mariya Tokmakova, Anastasia Shchendrygina, Francisco Moscoso Costa, Massimo Mapelli, Filip Zemrak, Laurens F Tops, Nina Jakus, Arian Sultan, **Fadel Bahouth**, Chahr-Eddine Hadjseyd, Muriel Salvat, Matteo Anselmino, Daniel Messroghli, Vanessa Weberndörfer, Ilya Giverts, Thomas Bochaton, Pierre Yves Courand, Emmanuelle Berthelot, Damien Legallois, Florence Beauvais, Fabrice Bauer, Nicolas Lamblin, Thibaud Damy, Nicolas Girerd, Laurent Sebbag, Théo Pezel, Alain Cohen-Solal, Giuseppe Rosano, François Roubille , Nathan Mewton

Sequencing and titrating approach of therapy in heart failure with reduced ejection fraction following the 2021 European Society of Cardiology guidelines: an international cardiology survey

European Journal of Heart Failure (2023)25,213–222

12. Johad Khoury, Itai Gershin, Adi Elias, Eyal Braun, Doron Aronson, Zaher Azzam, **Fadel Bahouth**,

Adherence to Guidelines in Heart Failure, is it Valid for Elderly Patients?

IMAJ – accepted 2022

13. Erez Marcusohn MD, Itay Borreda MD, Yaron Hellman MD, Manhal Habib MD, **Fadel Bahouth MD**, Danny Epstein MD, Robert Zukermann MD

IV Sodium Ferric Gluconate Complex in Patients with Iron Deficiency hospitalized due to Acute Heart Failure– Investigator initiated, Randomized controlled trial

Journal of Cardiovascular Pharmacology 80(2):p 194-196, August 2022. | DOI: 10.1097/FJC.0000000000001287.

14. Barak Zafrir, Tal Ovdat, Mahmood Abu Akel, **Fadel Bahouth**, Katia Orvin, Roy Beigel, Offer Amir 6and Gabby Elbaz-Greener

Heart Failure Therapies following Acute Coronary Syndromes with Reduced Ejection Fraction: Data from the ACSIS Survey.

J Pers Med. 2023 Jun 19;13(6):1015. doi: 10.3390/jpm13061015.

15. Amir Aker, Walid Saliba, **Fadel** **Bahouth**, Ibrahim Naoum, Barak Zafrir

Cardiorespiratory Fitness and Risk of Cardiovascular Events and Mortality in Middle Age Patients without Known Cardio-vascular disease.

Journal of Clinical Medicine, DOI: 10.3390/jcm12227011

**17. CONFERENCES**

1. Relationship of functional mitral regurgitation to new-onset atrial fibrillation in acute myocardial infarction, presented as oral presentation at ESC 2009, Barcelona.

2. Beta blockers underuse among patients with congestive heart failure, Presented as a poster at Israel Heart Society 2005.

3. The Prognostic and Therapeutic Values of Positive Troponin, Presented as a poster at Israel Heart Society 2016.

4. The Prognostic and Therapeutic Characteristics of Heart Failure Among Elderly Patients With Hypertrophic Cardiomyopathy, presented as a poster at Israel Heart Society 2017.

5. The Prognostic and Therapeutic Values of Adherence to Current Guidelines in Elderly Patients with LV Systolic Dysfunction, presented as a poster at Israel Heart Society 2018.

6. Prognostic value of cardiac troponin level in patients presenting with supraventricular tachycardias, presented as a poster at European Heart Rhythm Association 2019.

7. The prognostic value of beta-blocker dosage and heart rate at discharge among patients with acute decompensation of heart failure with reduced EF, presented as an e-poster in the ESC Heart Failure 2021.

8. The prognostic value of beta-blocker dosage and heart rate at discharge among patients with acute decompensation of heart failure with reduced EF, presented as oral presentation in IHS 2021.

9. Heart Failure Therapies following Acute Coronary Syndromeswith Reduced Ejection Fraction: Data from the ACSIS Survey, presented as a moderator poster, ESC Congress Amsterdam, 2023.

10. Impact of insulin therapy in diabetic patients hospitalized with acute heart failure, presented as a moderated poster.

ESC Heart Failure Congress, Lisbon, Portugal, 2024.

11. The prognostic importance of admission uric acid levels among patients with acute heart failure, presented as e-poster.

ESC Heart Failure Congress, Lisbon, Portugal, 2024.

12. Distribution of pleural effusion as a prognostic marker among acute decompensated heart failure patients, presented as e-poster.

ESC Heart Failure Congress, Lisbon, Portugal, 2024.

13. Tricuspid regurgitation velocity at admission as a prognostic predictor in acute heart failure, presented as a moderated poster.

ESC Heart Failure Congress, Lisbon, Portugal, 2024.

14. The prognostic importance of admission uric acid levels among patients with acute heart failure, presented as a poster.

IHS, 2024.

15. Impact of Insulin therapy in patients with diabetes hospitalized with acute heart failure, presented as a poster.

IHS, 2024.

16. Tricuspid regurgitation velocity at admission as a prognostic predictor in acute heart failure, presented as a science box presentation.

IHS, 2024.

17. Distribution of pleural effusion as a predictor of outcome and mortality among acute decompensated heart failure patients, presented as oral presentation.

IHS, 2024.

**18. RESEARCH GRANTS**

The Prognostic Value of Beta Blockers Therapy in chronic HFrEF patients with Atrial Fibrillation

Maccabi Health Institute, Marrom Program grant, Israel National Data.

**19.** **FESC**: Fellow of the ESC since 2022

**20. In-Hospital Contribution:**

- Member of ACLS committee

- Director of staff meetings

- Member in steering and quality comittee