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## **Summary:**

I am a dedicated and caring cardiologist with more than five years of experience in clinical practice, helping over 70 patients with their cardiac ailments daily, conducting research on cardiovascular disease, and treating patients accordingly. I have been working at the Shiraz University of Medical Science, teaching medical students and Resident of cardiology. Proficiency in teaching clinical cardiology and serving as problem-based learning (PBL) tutor at various stages in the medical program (The best attending of shiraz medical university at education). I have worked as a senior researcher at the cardiovascular research Centre of shiraz university.

## **Education**

- Iranian National Board of Cardiology, Tehran, Iran, 2017 **(The top students of Iran)**.
- Basic assessment support in intensive care, The European Society of Intensive Care Medicine (ESICM) and Shiraz anesthesiology and critical care research center Shiraz anesthesiology and critical care research center, Iran, 2015.
- Specialty in Cardiology Internal Medicine Department Division of Cardiology, Shiraz University of Medical Sciences, Iran, 2013 – 2017. (Highest ranking medical school of Iran).
- General Medicine: Kerman University of Medical Sciences (Highest ranking medical school of Iran), Iran, 2003 – 2011.
- high school at the national organization for developing exceptional talent, Shiraz, Iran, 1996-2003.

## ***Work Experience***

- Member of the General Medicine Curriculum Committee of Shiraz University of Medical Sciences, Iran: 2022 – present.
- Head of the Talent and Performance Department, Shiraz University of Medical Sciences, Iran: 2022 – present.
- The head of The cardiovascular working group, Shiraz University of Medical Sciences, Shiraz, Iran: 2020-present.
- The bed manager of AL Zahra hospital, Shiraz University of Medical Sciences, Iran: 2020-present.
- The Vice-Chancellor of the cardiology department, Shiraz University of Medical Sciences, Iran: 2018-present.
- Assistant Professor of Cardiology work as the Chief of Cardiology Emergency Department, AL Zahra Hospital (The main center of cardiovascular disease in the south of Iran), Shiraz University of Medical Sciences, Iran: 2017 – present.
- Instructor, Cath lab Namazi hospital (The main and biggest general hospital in the south of Iran), Al Zahra hospital, Faghihi hospital, Shiraz University of Medical Sciences, Iran: 2017-present.
- The focal point of cardiovascular diseases, Shiraz University of Medical Sciences, Iran:2017-present.
- The head of the focal point of pregnant women and cardiovascular disease, Shiraz University of Medical Sciences, Shiraz, Iran: 2017-present.
- Member of "Cardiology Consultant Team " for liver and kidney and cardiac Transplantation & Cardiac Surgery Divisions:2017-present.
- Founder and member of "Research center for traditional medicine and history of medicine" of Shiraz University of Medical Sciences, Iran: 2017-present.

- The membership of medical jurisprudence, Shiraz University of Medical Sciences, Iran: 2017-present.
- Chief Resident at Department of Internal Medicine, Division of Cardiology, Shiraz University of Medical Sciences, Iran:2015-2016.
- Resident training at Department of Internal Medicine, Division of Cardiology, Shiraz University of Medical Sciences, Iran:2013-2017.
- The membership of the central council of Representatives of medical Residents, Shiraz University of Medical Sciences, Iran: 2015-2016.
- General practitioner Emergency Ward Imam Mohamad bagher Hospital Ghir, Iran:2011-2013.
- General practitioner Emergency ward Valiasr Hospital, Kazeron, Iran: 2011-2013.

### ***Teaching Experience***

- Teaching lectures and student group discussions on physiopathology and clinical presentations of cardiology diseases, cardiovascular Department, Shiraz University of Medical Sciences, Shiraz, Iran: 2017-present.
- Thirty hours per week undergraduate teaching in hospital rounds and educational clinics, cardiovascular Department, Shiraz University of Medical Sciences, Shiraz, Iran: 2017-present.
- Presenting and participating in morning reports, journal clubs, and grand rounds, cardiovascular Department, Shiraz University of Medical Sciences, Shiraz, Iran: 2017-present.
- Supervisory support of more than 43 undergraduate thesis projects, cardiovascular Department, Shiraz University of Medical Sciences, Shiraz, Iran: 2017-present.
- Contribution in designing question for national clinical exam held by the ministry of health of Iran.2019.

## **Skills**

- Extensive experience in diagnosing and treatment of varied cardiovascular conditions, such as angina pectoris, coronary heart disease, atherosclerosis, and several other disorders.
- Comprehensive knowledge of various heart and blood vessels disorders and the procedures involved in their diagnosis and treatments.
- Efficiently implant cost-efficient care plans for timely and complete patient recovery.
- Preventive care expert.
- Outstanding critical thinking and analytical skills to deal with challenging issues that may arise.
- Resilient personality and an excellent communicator.
- Extremely passionate and dedicated to patients, rendering high-quality medical care.
- Consult team-mates in different emergency cases.
- Ability to teach medical students the basic principles of cardiology relevant to the process of localization; appropriate history taking; focused cardiology examination in patients with common cardiology disorders.
- Proficiency in developing appropriate management and treatment plans; use and interpretation of common tests applicable in cardiology disease.
- Good working experience with cardiology investigatory tools like electrocardiography (ECG), echocardiography, exercise tolerance test, Holter monitoring of rhythm and blood pressure, coronary angiography (radial approach, femoral approach), pacemaker insertion, pacemaker ICD, and CRT analysis during resident-ship.
- Performing more than 6000 echocardiography/year in patients with different cardiovascular diseases.
- Performing more than 600 angiographies/year and more than 5000 exercise tolerance tests/year.
- Visit and treatment of more than 40 inpatients /day at CCU and Emergency room(ER) for more than five years.

- Visit and treatment of more than 200 outpatients /week at Clinic for more than five years. Imam Reza Specialized Clinic, Shiraz University of Medical Sciences, Shiraz, Iran.

### ***License & Certificate***

- Board-certified in Cardiology **(The top students of Iran)** 2017.
- Cell culture certificate, Shiraz university of Iran,2022.
- SPSS, Python, R soft wares and Adobe connect Shiraz university of Iran,2022.
- Design of Primer for gene study, Shiraz university of Iran,2022.
- Basic assessment support in intensive care(BASIC), The European Society of Intensive Care Medicine (ESICM) and Shiraz anesthesiology and Shiraz anesthesiology and critical care research center, Iran, 2015.

### ***Membership***

- Iranian Cardiology Association.
- European society of cardiology.
- The cardiovascular research center of the Shiraz University of Medical Science.
- Medical Council of Iran.
- Iranian Legal Medicine Organization(LMO)

### ***Editorial***

1. Founder and editor in **"International cardiovascular research journal"**, the official journal of Shiraz University of Medical Sciences.
2. Founder and editor of **"shiraz E-medical journal"**.
3. Founder and editor of **"Iranian journal of medical science"**.
4. Founder and editor of **"BMC medical education"**.

5. Editor-in-Chief of “**World Journal of Clinical Cases**”.
6. Review more than 43 theses for Shiraz University of Medical Sciences.
7. Observed more than 14 theses for Shiraz University of Medical Sciences.

### ***Award & Honors***

- Acclaimed for collaborating in the treatment of acute myocardial infarction (primary PCI)2022.
- Distinguished tutor selected by the chair of the internal medicine ward of Shiraz University, 2021-2022.
- Acclaimed as the best attending of the university by Ministry of Health due to its very sincere relationship and the importance of educating students., 2021.
- Acclaimed for serving Covid--19 patients at Shiraz University, Iran,2021.
- Acclaimed as the best cardiologist of AL Zahra Hospital (The main center of cardiovascular disease in the south of Iran), 2021.
- Distinguished tutor selected by the chair of the internal medicine ward of Shiraz University, 2020-2021.
- The best attending of shiraz medical university at education, Iran, 2019.
- Distinguished tutor of Shiraz University of Medical Sciences selected by medical students,2018.
- Acclaimed for collaborating in the treatment of acute myocardial infarction (primary PCI)2018.
- The top participants of the "Iranian National Board of Cardiology" qualification examination, 2017.
- A distinguished Registrar of Shiraz Medical School, Iran,2014-2015-2016.
- A distinguished Registrar of the department of internal medicine, Shiraz, Iran,2013.

## ***Publication***

### ***Book:***

1. [A simple clinical approach to electrocardiography](#), Hamed Bazrafshan Drissi, Teimourzadenovin Publications, **2021**.
2. [Translation of Goldberger's Clinical Electrocardiography book](#) (9<sup>th</sup> Edition) to Persian, Hamed Bazrafshan Drissi, Moalefan Farhikhte Publications, **2021**.
3. [The guideline book for medical students in shiraz university](#). Hamed Bazrafshan Drissi, Vice-chancellor for research, Shiraz university of medical science, **2022**.
4. Translation of Ottawa Handbook of Emergency Medicine (3<sup>rd</sup> Edition) to Persian, Hamed Bazrafshan Drissi, Teimourzadenovin Publications ,**2022**.
5. The cardiovascular emergencies for medical students and general physicians, Hamed Bazrafshan Drissi (in press).

### ***Journal Papers:***

#### ***Published:***

1. [Bazrafshan H. The utility of SYNTAX score predictability by electrocardiogram parameters in patients with unstable angina. BMC Cardiovascular Disorders. 2022;22\(1\):1-11.](#)
2. [Drissi HB, et al. Effects of colchicine on major adverse cardiac events in next 6-month period after acute coronary syndrome occurrence; a randomized placebo-control trial. BMC Cardiovascular Disorders. 2021;21\(1\):1-10.](#)
3. [Bazrafshan H. Systolic dysfunction and complete heart block as complications of fulminant myocarditis in a recovered COVID-19 patient. Journal of cardiology cases. 2021;24\(4\):177-81.](#)

4. Bazrafshan H. Comparison of Point-of-Care and Highly Sensitive Laboratory Troponin Testing in Patients Suspicious of Acute Myocardial Infarction and Its Efficacy in Clinical Outcome. *Cardiology Research and Practice*. **2022**;2022.
5. Drissi HB. A validated reduced-order dynamic model of nitric oxide regulation in coronary arteries. *Computers in Biology and Medicine*. **2021**; 139:104958.
6. Bazrafshan H. The Prevalence of Cardiovascular Risk Factors in Fatal Cases of COVID-19 in Fars Province, Iran. *International Cardiovascular Research Journal*. *Int Cardio Res J*. **2021**;15(1):e112945.
7. Bazrafshan H. Coronary Thrombosis in a Patient with COVID-19 Who Was on Anticoagulant Therapy. *International Cardiovascular Research Journal*. **2021**;15(3).
8. Bazrafshan H. Prevalence of non-steroidal anti-inflammatory drugs (NSAIDs) use in patients with hypertensive crisis. *Health Science Reports*. **2022**;5(1):e483.
9. Bazrafshan H. Psychological Problems Among Patients with Chronic Medical Disorders During the COVID-19 Pandemic. *Acta Medica Iranica*. **2021**;59(6).
10. Bazrafshan H. Role of ventricular repolarization indicators in risk stratification of decompensated heart failure patients with ventricular systolic dysfunction. *Caspian Journal of Internal Medicine*. **2022** (accept).
11. Bazrafshan H. Novel cardiac manifestation of USH2A and GJB2 genes: A case report. *Arya Atherosclerosis Journal*. ISSN:1735-3955. **2022** (accept)
12. Bazrafshan H. The Potential of Heart Risk Score to Detect the Existence and Severity of Coronary Artery Disease According to Syntax Score at the Emergency Department. 10.21203/rs.3.rs-143921/v1, *Authorea Preprints*. **2021**.
13. Bazrafshan H, Acute Pulmonary Embolism as an Important Differential Diagnosis of COVID-19: A Case Report, *Journal: Medical Case Reports*, 10.36648/2471-8041.6.5.156. **2020**.



***Under Review Papers:***

1. Impacts of opium addiction on patterns of angiographic findings in patients with coronary artery syndrome, Hamed Bazrafshan Drissi. Journal: Clinical Cardiology.
2. Comparison of the Red Blood Cell parameters based on Accuracy, Sensitivity, and Specificity to predict one-year mortality in Heart Failure patients, Hamed Bazrafshan Drissi. Clinical Cardiology.
3. Correlation between SYNTAX score and Electrocardiographic Features Among Left Bundle Branch Block Patients Suspected of Acute Coronary Syndrome without Modified Sgarbossa Criteria, Hamed Bazrafshan Drissi. Clinical Cardiology.
4. Risk stratification of diabetic patients with unusual cardiac symptoms by using a cardiac myocardial scan, Hamed Bazrafshan Drissi, Journal of Diabetes Investigation.
5. Association and Predictive Capability of Anthropometric Indices and Hypertension, Hamed Bazrafshan Drissi, The Journal of Clinical Hypertension.
6. Optimal Method for Ablation of Atypical AVNRT, Hamed Bazrafshan Drissi, Journal of Interventional Cardiac Electrophysiology.
7. Association and Predictive Capability of Body Composition and Diabetes Mellitus Using Artificial Intelligence: A cohort study, Hamed Bazrafshan Drissi,
8. Echocardiography findings of HER-2 positive breast cancer patients, Hamed Bazrafshan Drissi, International Cardiovascular Research Journal.
9. General anxiety disorder and primary hypertension; is there a link? Hamed Bazrafshan Drissi,

***International Collaboration***

I had Collaboration with the Yale University of USA to write one article: Evaluation of the Genome of patients with Premature Coronary Artery Disease in 15 families (approximate to 225 persons) by Whole Exome Sequencing method with the collaboration of the Yale University of USA, Tehran Rajaei Heart Hospital and the Shiraz Al-Zahra Referral Heart Hospital lab among Southern Iranian population.

### ***Patent and Startup***

- Setting up a cardiovascular training emergency ward at AL Zahra Hospital (The main center of cardiovascular disease in the south of Iran), Shiraz University of Medical Sciences, Iran, 2017 for the first time.
- Setting up a curriculum of the cardiovascular training course for medical interns at Shiraz University of Medical Sciences, Iran, 2017 for the first time.
- Introduce a new method for ablation of atypical AVNRT (In press).

### ***Conferences:***

- panelist at Merk pharmaceutical company congress about beta blockers position in cardiovascular disease management, 15 Jun **2022**.
- Lecture on Prevention of cardiovascular disease(webinar) 14 Jun **2022**.
- Oral presentation of the article with title: Prevalence of non-steroidal anti-inflammatory drugs (NSAIDs) use in patients with hypertensive crisis, International Conference and Expo Heart and Cardio Care, Belgium, MAY 25<sup>th</sup>, **2022**.
- Oral presentation of the article with title: Effects of colchicine on major adverse cardiac events in next 6-month period after acute coronary syndrome occurrence; A randomized placebo-control trial, International Conference on Advanced Cardiology, England, MAY 24, **2022**.
- Oral presentation of the article with title: Novel Method for Remote Learning and Its Role in Health Care System Management at the International Conference on Medical and Health Sciences (ICMHS) held in Melbourne, Australia on 24 - 25 March, **2022**.
- Oral presentation of the article with title: The utility of SYNTAX score predictability by electrocardiogram parameters in patients with unstable angina at 11th World Heart Congress to be held in Berlin, Germany March 28-29, **2022**.

- Speaker at Abidi pharmaceutical company congress about How to manage our patients with hypertension and hyperlipidemia according to the latest guidelines 25 Feb **2022**.
- Poster presentation of treatment of hypertension and hyperlipidemia at Shiraz University of Medical Sciences Feb **2022**.
- Lecture on Acute Coronary Syndrome Treatment in collaboration with ACTOVERCO Pharmaceutical Company(webinar) 14 Jan **2022**.
- Speaker at Abidi pharmaceutical company congress about our P2Y<sub>1</sub>-2 inhibitor product Brilavus, 18 Oct **2021**.
- Lecture on Anticoagulant in special population in collaboration with Orchid Pharmed Pharmaceutical Company(webinar) 22 July **2021**.
- Lecture on Antianginal therapy in ischemic heart disease in collaboration with Arena Life Science Pharmaceutical Company(webinar) 15 July **2021**.
- Speaker at the review of guidelines of emergencies of Cardiovascular disease webinar at Shiraz University of Medical Sciences, 11 July **2021**.
- Lecture on Dual pathway inhibition in CCS & PAD: From trials to guidelines to clinical practice in collaboration with Arena Life Science Pharmaceutical Company(webinar) 18 June **2021**.
- Lecture on NOACs and using them properly in collaboration with Orchid Pharmed Pharmaceutical Company(webinar) 10 June **2021**.
- Lecture on New methods of identifying and caring for hypertension and their risk factors webinar, Shiraz University of Medical Sciences 25 May **2021**.
- Speaker at the review of guidelines of emergencies of Cardiovascular disease webinar at Shiraz University of Medical Sciences, 14 Feb **2021**.
- Lecture on New methods of identifying and caring for cardiovascular diseases and their risk factors webinar, Shiraz University of Medical Sciences 17 Dec **2020**.
- Presenter at 12<sup>th</sup> middle east cardiovascular congress, November **2020**.

- Presenter at 5<sup>th</sup> congress of clinical cases of in complex cardiovascular therapeutics, November **2020**.
- Lecture on New methods of identifying and caring for cardiovascular diseases and their risk factors webinar, Shiraz University of Medical Sciences 18 Oct **2020**.
- Lecture on introducing NOACS in collaboration with Arena Life Science Pharmaceutical Company 5 Dec **2019**.
- Lecture on A highly interactive day, bringing together our knowledge and experience, discovering challenges, and building strong partnership toward appropriate NOAC practice in collaboration with Arena Life Science Pharmaceutical Company 25 July **2019**.
- Collaborate with EDO (Educational Development Office) of Shiraz University of Medical Sciences to prepare residents and young professors to enter the university for more than two hundred hours since **2017**.
- Holding nine ECG training courses for residents and medical students in collaboration with Shiraz University of Medical Sciences since **2017**.
- Holding four Cardiovascular emergency training courses for residents and medical students in collaboration with Shiraz University of Medical Sciences since **2017**.

### ***Attendance at Workshops***

- 11th Middle East Cardiovascular Congress, Shiraz University of Medical Sciences, 24-26 April **2019**.
- 4th International Congress of Clinical cases in complex Cardiovascular Therapeutics, Shiraz University of Medical Sciences, 24-26 April **2019**.
- Congress of Medical E-learning, Shiraz University of Medical Sciences, 12 Feb **2018**.
- 2<sup>nd</sup> International Congress of a new aspect in atrial fibrillation, Shiraz University of Medical Sciences, 14-15 April **2016**.

***Media***

- Speaking at the national radio and talking about prevention of hypertension and cardiovascular disease due to International hypertension day, 23 May 2022.
- Appearing on the national television and talking about prevention and timely diagnosis of hypertension, silent killer disease due to International hypertension day, 16 May 2022.
- Appearing on the national television and talking about carrying of cardiovascular patients at home, 7 Dec **2021**.
- Appearing on the national television due to World Heart Day, 29 Sep **2021**.
- Appearing on the national television and talking about cardiovascular complications of COVID-19, 15 Sep **2021**.