



CONTACT

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Current Position

Assistant Professor of Molecular Medicine.

*Tuberculosis and Lung Diseases Research Center, Ilam University of
Medical sciences.*

Education

Grade	University	Country
<i>BSc</i>	<i>Razi University, Kermanshah.</i>	Iran
<i>MSc</i>	<i>Islamic Azad University Tonekabon Branch, Mazandaran.</i>	Iran
<i>Ph.D</i>	<i>Shahid Sadoughi University of Medical Sciences, Yazd.</i>	Iran

ADDITIONAL SKILLS And Research Interests

- *PCR*
- *Nested PCR*
- *Touchdown PCR*
- *Real-time PCR*
- *Southern Blotting*
- *Northern Blotting*
- *Loop-mediated isothermal amplification (LAMP)*
- *ELISA (Enzyme Linked Immuno sorbent Assay)*

Thesis

1. Prevalence of Cysticercus of Taenia saginata in cattle slaughtered (*BSc* degree).
2. Prevalence of vaginal candidiasis infection in diabetic women (*MSc* degree).
3. Molecular diagnosis of definite infective endocarditis by Real-time PCR (Patent: Real-time PCR Molecular Diagnostic Kit)(*Ph.D* degree).

Activities and Awards

1. Distinguished student researcher in Shahid Sadoughi University of Medical Sciences, (2013-2014).
2. Distinguished student researcher in Yazd province, (2014-2015).
3. Distinguished student elected in Shahid Sadoughi University of Medical Sciences, (2014-2015).
4. Distinguished student elected in Shahid Sadoughi University of Medical Sciences, (2016-2017).
5. Distinguished student elected in Shahid Sadoughi University of Medical Sciences, (2017-2018).

Patent

1. Real-time PCR Molecular Diagnostic Kit for *Staphylococcus aureus*.

Research Projects

1. Design of molecular diagnosis of infective endocarditis by Real-time PCR.
2. Effects of oral administration of sodium thiosulfite on GLUT4 and insulin receptor (IR) mRNA expression and fasting insulin and blood glucose levels in rat.
3. Expression of three mRNA biomarkers (*CK19*, *CEA*, and *LUNX*) in peripheral blood of patients with Non-Small Cell lung cancer (NSCLC).
4. Molecular diagnosis of *Trichomonas vaginalis*.
5. Association of thick and dense scalp hair with opium addiction in patients who are candidates of coronary artery bypass grafting.
6. Investigation of the prevalence of respiratory senescence virus in children under 5 years of age admitted to medical centers in Ilam city.
7. The study of stress levels, type of perceived stress, coping strategies in patients with acute myocardial infarction and individuals without a history of fixed myocardial infarction.
8. Investigation of thyroid disorders (hypothyroidism/hyperthyroidism) in patients with asthma referred to internal clinic of Razi Hospital and private clinics in Ilam city in 2025.
9. The prevalence of heart diseases in patients with chronic obstructive pulmonary disease (COPD) in Ilam city in 2025.
10. Investigation of the frequency of lung anthracosis in patients referred to the bronchoscopy department of Ilam Razi Hospital from 2021 to 2023.
11. Bacterial resistance profile in gram-positive and gram-negative strains isolated from intubed patients of intensive care units in RAZI hospital, Ilam, Iran.
12. study of the prevalence of anemia in patients with chronic obstructive pulmonary disease and its relationship with prognosis of patients referred to Razi hospital, Ilam in the year 2025.
13. Antimicrobial susceptibility of *Escherichia coli* isolated from patients with urinary tract infection referred to Imam Ali Hospital Kermanshah, Iran (2011).
14. Prevalence of vaginal candidiasis infection in women referred to Kermanshah hygienic centers, Iran in 2010.
15. The prevalence of cutaneous Leishmaniasis in patients referred to Kermanshah hygienic centers.
16. Prevalence of *Cysticercus* of *Taenia saginata* in cattle slaughtered.
17. A Study on the prevalence of *Malassezia* spp. in domestic animals.

Scientific profiles

Congresses

1. First international & 12th Iranian congresses of Microbiology (Kermanshah, 2011)(Poster Presentation).
2. International Congress on Cardiac Emergencies (Iran-Bandar Abbas, 2014)(Poster Presentation).
3. 20th Asian Pacific Society of Cardiology Congress Abu Dhabi (Dubai, 2015)(Oral Presentation).
4. 13th International Congress of Immunology and Allergy of Iran (Iran-Tabriz, 2016)(Oral Presentation).

Book

1. "Guide to Knowledge Transfer". Seyed Alizadeh Pub; Yazd, Iran, 2017.

- **Scopus** **Profile:** <https://www.scopus.com/authid/detail.uri?authorId=55619867900>
- **Research Gate:** <https://www.researchgate.net/profile/Reza-Faraji-3>
- **ORCID Page:** <https://orcid.org/0000-0002-5973-7301>
- **ISID :** IUN-3534-2023
- <https://rpis.research.ac.ir/> = n Completed Research Projects
- H-Index In scopus= 6

Publications

1. The diagnosis of microorganism involved in infective endocarditis (IE) by polymerase chain reaction (PCR) and real-time PCR: A systematic review.
2. Molecular diagnosis of bacterial definite infective endocarditis by Real-time PCR.
3. Liver function tests following open cardiac surgery.
4. Predictors of post pericardiotomy low cardiac output syndrome in patients with pericardial effusion.
5. Minimal invasive technique in atrial septal defect surgery.
6. The effect of magnesium sulphate on post off-pump coronary artery bypasses grafting bleeding.
7. Global Prevalence of Neospora caninum in Domestic Pigs (*Sus domesticus*) and Wild Boars (*Sus scrofa*): A Systematic Review and Meta-Analysis.

- 8.** Evaluation the level of vitamin D and its relationship with clinical symptoms in patients with COVID-19 referred to the medical center in Bam city.
- 9.** Evaluation of epidemiological, clinical, and microbiological features of definite infective endocarditis.
- 10.** Effect of Body Mass Index on Postoperative Complications in Beating Coronary Artery Surgery.
- 11.** Factors predicts skin ulcer following coronary artery bypass.
- 12.** A survey of coping strategies with stress in patients with acute myocardial infarction and individuals without a history of fixed myocardial infarction.
- 13.** Association between dietary habits and changes in cardiometabolic risk factors in patients with metabolic syndrome: a 10-year follow-up study.
- 14.** Age, sex, and height-based blood pressure reference charts, Yazd children 6–18 years, Iran.
- 15.** The Incidence of Metabolic Syndrome and the Most Powerful Components as Predictors of Metabolic Syndrome in Central Iran: A 10-Year Follow-Up in a Cohort Study.
- 16.** Effect of dietary habits on the risk of metabolic syndrome: Yazd Healthy Heart Project.
- 17.** A new Bioelectrochemical Method for Detect Nitrite (NO₂-) and Hydroxylamine (NH₂OH) by Using of Hydroxylamine Oxidase (HAO) and Modified Electrode with Zirconia Nanoparticles.
- 18.** Correlation between medication errors with job satisfaction and fatigue of nurses.
- 19.** The effect of consumption of garlic tablet on proteins oxidation biomarkers in postmenopausal osteoporotic women: A randomized clinical trial.
- 20.** Efficacy of Preoperative Color Doppler Sonography of Lower Extremity Veins on Postoperative Outcomes in Candidates of Saphenectomy: A Randomized Clinical Trial.
- 21.** Evaluation of Epidemiological, Clinical, and Microbiological Features of Vulvovaginal Candidiasis.
- 22.** Combined chest wall and liver hydatid cyst.
- 23.** Free-floating left atrial thrombi with acquired protein C deficiency in hepatitis.

24. Clinical symptoms, pathogenesis and postoperative course of non-specific constrictive pericarditis with dumbbell-shaped heart.
25. Traumatic fracture of central venous catheter.
26. Budd-Chiari syndrome following abdominal trauma.
27. Right atrial tuberculoma enclosed by thrombus.
28. Milky plural effusion, a rare complication of left atrial myxoma.
29. Right ventricular outflow tract endocarditis caused by brucellosis.
30. Congenital combined atresia of the left main coronary with supra valvar aortic stenosis.
31. Hydatid cyst of the right atrium wall.
32. A Giant Hydatid Cyst in the Interventricular Septum with Papillary Muscle Involvement.
33. Adult patent Ductus Arteriosus complicated by endocarditis and hemolytic anemia.
34. Spontaneous coronary artery dissection in anabolic steroid misuse.
35. Right atrial fibroma in an adult patient.
36. A rare case of anterior mediastinal mass caused by Brucella infection.
37. Off-Pump Repair of a Post Myocardial Infarction Ventricular Septal Defect.
38. Calcified Amorphous Tumor of the Heart with Purple Digit.
39. A rare case of prosthetic aortic valve endocarditis complicated with multiple fistula to peri aortic structure.
40. Sagittal vein thrombosis caused by central vein catheter.
41. Large cardiac hydatidosis bulging as a mass to pericardium.
42. Right ventricular hydatid cyst ruptured to pericardium.
43. Aorto-pulmonary fistula accompanied by root abscess and destruction of native aortic valve caused by brucellosis.
44. Silent rupture of the ascending aorta by brucella endocarditis.
45. Congenital thymic cyst in the retro cava position.

- 46.** Double incontinence as a first symptom of saddle embolism of the aorta leads to sudden paraplegia.
- 47.** A rare case of aortic sinuses of valsalva fistula to multiple cardiac chambers secondary to periannular aortic abscess formation from underlying brucella endocarditis.
- 48.** Radiation induced myxoma of superior vena cava origin presenting as a right atrial mass.
- 49.** Combination of giant dissecting ascending aorta aneurysm with multiple fistulas into the cardiac chambers caused by Prosthetic Aortic Valve Endocarditis.
- 50.** Simultaneous external iliac artery and vein rupture following by percutaneous balloon angioplasty.
- 51.** Preoperative emboli in a pregnant woman with myxoma.
- 52.** Right Ventricular Thrombus and Cerebral Artery Aneurysm in a Patient with Behçet's Disease.
- 53.** Ascending Aorta Hydatid Cyst Presenting as Pseudoaneurysm.
- 54.** Multiple complications by hydatid cyst-induced Budd-Chiari syndrome.
- 55.** Brucella pericarditis: A forgotten cause of chest pain.
- 56.** A rare case of volvulus after off-pump coronary artery bypass graft surgery in an opium addict patient revised.
- 57.** Right Atrial Thrombosis associated with Sagittal Sinus Thrombosis caused by Protein C-S Deficiency.
- 58.** Thrombotic cardiac apex hydatid cyst.
- 59.** Isolated Right atrial mass in a candidate of coronary bypass grafting.
- 60.** Migration of a 'cut' central venous catheter.
- 61.** Cerebral vein thrombosis post coronary artery bypass grafting precipitated by malposition of subclavian central catheter in protein C & S deficiency patient.
- 62.** Ostium secundum atrial septal (ASD) defect endocarditis caused by brucella infection.
- 63.** Apparently intact mitral valve repair complicated with hemolytic anemia.

- 64.** Left ventricular paraganglioma.
- 65.** The largest reported dissecting aneurysm of ascending aorta following aortic valve replacement accompanied by superior vena cava syndrome (SVCS) syndrome.
- 66.** Diaphragmatic rupture and hernia after cardiopulmonary resuscitation.
- 67.** Large Intransient Left Ventricular Thrombus due to Anabolic Steroid-induced Cardiomyopathy.
- 68.** Hydatid cyst of the interventricular septum causing complete heart block and postoperative ventricular septal defect.
- 69.** The Ruptured Pericardial Cyst to the Right Atrium.
- 70.** Combined association of liver and renal injury by intraaortic balloon pump malposition.
- 71.** Cardiac left ventricular thrombus in protein C deficiency.
- 72.** Milky plural effusion, a rare complication of left atrial myxoma.
- 73.** Congenital Antithrombin Deficiency in a Pregnant Woman with Right Atrium Thrombosis.
- 74.** Uncontrolled systemic inflammatory response syndrome by cardiopulmonary bypass.
- 75.** Cardiac and Cerebral thrombosis in Behcet's Syndrome.
- 76.** Prevalence of Hydatid Cyst in Slaughtered Livestock in Kermanshah (West Iran).
- 77.** The Prevalence of Cutaneous Leishmaniases in Patients Referred to Kermanshah Hygienic Centers.
- 78.** A Study on the Prevalence of *Malassezia* spp. in Domestic Animals.
- 79.** Trauma, poisoning and assassinations that changed Iran's history.
- 80.** Cardiogenic Shock and Anterior Papillary Muscle Rupture Caused by Blood Supply to Diagonal Artery.
- 81.** Anterolateral Papillary Muscle Rupture Caused by *Brucella* Endocarditis.
- 82.** Early chylothorax after coronary artery bypass grafting.
- 83.** Prevalence of cysticercus of *Taenia saginata* in cattle slaughtered.

- 84.** Prevalence of Giardiasis among children in childcare centers in Kermanshah (Iran).
- 85.** Identification of Candida species isolated from vaginal diabetic women.
- 86.** Prevalence and antibiotic resistance of Enterococci species isolated from clinical samples.
- 87.** Prevalence and Antimicrobial Susceptibilities of Bacteria Isolated from Sternal Wound Infections after the Coronary Artery Bypass Graft.
- 88.** Prevalence of vaginal candidiasis infection in diabetic women.
- 89.** A Study of Nurses' Observance Rate of Hygienic Principles and Nosocomial Infections Control.