

## “Curriculum vitae “

MAEDEH ROUZBAHANI-Medical INTERN

### Professional address:

-Enghlab Street, Tehran P.O. BOX 14155-6559 Tehran, I.R. of Iran

-Phone: +989120570364

-email: [maederouzbahani@gmail.com](mailto:maederouzbahani@gmail.com)

-Google scholar: Maedeh Rouzbahani,

### Education:

-The science of stem cell diploma at the American Museum of Natural History

- MBA degree from Tehran University of Medical Sciences

-7<sup>th</sup> year medical Intern at Tehran University of Medical Sciences

GPA:4.5

-High school diploma of Experimental science: (National Organization for Development of Exceptional Talents (NODET))

Farzanegan 4, Schools of brilliant talents- GPA: 3.96 -(2015-2019)

-Expert in English speaking and writing

### Experiences and skills:

#### Clinical experiences & skills:

- 1) 6.5 years experience as an Interventional Radiology assistant, familiar with local anesthetics administration and table prep. I have assisted in procedures such as uterine fibroid embolization, TACE, cerebral aneurysms embolization, geniculate

artery embolization, arterial and venous fistulas, and management of peripheral vascular malformation

- 2) Cultivating and culturing umbilical cord mesenchymal stem cells.
- 3) 4 years of Stem cell therapy in a private clinic.
- 4) 5 years of experience in novel cell therapy clinical trials
- 5) Conducting clinical trials from conception, protocol, Ethical Committee, execution, patient selection, follow-up, and communication with patients and family
- 6) Interpreting study data, writing papers and abstracts
- 7) Writing clinical and basic research protocols, both invivo and invitro
- 8) Proficient in pathology/histology lam prep and recognition of all types of blood cells lines under the microscope
- 9) Interpretation of knee MRI, chest X-ray, ECG, other graphs
- 10) Performing minor procedures such as paracentesis
- 11) Obtaining and interpretation of ECG and EEG
- 12) Proficient in emergency procedures in the emergency department such as CPR, seizure management, stroke, etc.
- 13) Performing procedures like NG tube insertion, Foley catheterization
- 14) skilled in handling all tasks of a general practitioner, including patient management and diagnosis and treatment of general medical conditions.

Animal experiences & skills:

- 1) Performing rabbit liver angiography
- 2) Puncture of rabbit ear artery for blood sampling and angiography (This access was my initiative and had not been reported before)
- 3) Performing anesthesia on rabbits, rats, and mice
- 5) Performing ultrasonography of rabbit liver
- 6) Blood sampling from the tail of a mice

7)Very familiar working with laboratory animals and how to care for them and nutritional requirements of animal lab.

8)Interpretation of rabbit liver MRI

#### Lab experiences & skills:

- 1) 18 months of clinical and research labs
- 2) Cultivation of various cell lines in the laboratory
- 3) Using flow cytometry device
- 4) Antibigram test
- 5) Cell staining
- 6) Urine analysis
- 7) Testing blood sugar

#### Award and honors:

-Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells, 1year results, Accepted as oral presentation (2023). RSNA congress, November 26-30: Chicago, Illinois

-Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells, ninth month results (2023). CIRSE congress, September 9-13: Copenhagen, Denmark.

- Process of inducing HCC In rabbits by intra-arterial injection of HEPG2 cells through auricular artery (2023). CIRSE congress, September 9-13: Copenhagen, Denmark.

- Second place in Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells, sixth month results (2023). GEST annual, May 18-21, 2023: NYC USA.

-Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells (2023). GEST MSK, January 20-21, 2023: Paris France.

- Process of inducing HCC In rabbits by intra-arterial injection of HEPG2 cells through auricular artery (2023). PAIRS annual meeting, February 11-14, 2023. Dubai, UAE.

-First author: Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells, Technique and primary results. PAIRS annual meeting, February 11-14, 2023. Dubai, UAE.

- Winner of the National IMC Math Competition Olympiad (2017).
- First place in the national Math Olympiad competition (2016).
- First place in the national Math Olympiad competition (2015).

Scientific Communications:

Articles:

- 1)**Rouzbahani M**, Ghanaati H, Varicose healing in Intra-Genicular artery Stem cell Injection (IGSI): an incidental finding (Submitted)
- 2) **Rouzbahani M**; Ghanaati H; Novel Intra-Arterial Stem Cell Injection Methods for Treating Various Diseases: A New Frontier in Interventional Radiology with Cell Therapy, CVIR Journal, (Revision requested), CVIR-D-24-00448
- 3)**Rouzbahani M**; Ghanaati H; Ghavamzadeh A et al. Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells. (Submitted)
- 4) **Rouzbahani M**; Ghanaati H. Simplifying Stem Cell Therapy for IRs: Exploring New Horizons in Interventional Radiology and Cell Therapy, published ,AJIR Journal DOI: 10.1055/s-0044-1787158
- 5) ) **Rouzbahani M**; Ghanaati H, Vascular Malformations: Understanding Origins, Diagnosis, and Treatment Advances,IJR,(submitted)

6) **Rouzbahani M**, Barkhordar M, Bagherian M, Using artificial intelligence for estimating the success rate of stem cell transplantation. (Submitted)

7) Valizadeh P; Jannat Doust P; Shahsavar Haghighi S; **Rouzbahani M**; Golozar M, Sadeghi N; Ultrasound-Guided Vacuum-Assisted Breast Biopsy for Breast Intraductal Lesions: a Meta-Analysis of Underestimation and Pathological Nipple Discharge Cure Rates, (published) <https://doi.org/10.32768/abc.202411113-26>

8) Jannatdoust.P, Valizadeh.P, Razaghi.M, **Rouzbahani.M**, Abbasi.A, Arian.A\_Role of abbreviated non-contrast-enhanced MR-enterography in the evaluation of Crohn's disease activity and complications as an alternative for full protocol contrast-enhanced study: A systematic review and meta-analysis. Research in diagnostic and interventional imaging journal, <https://doi.org/10.1016/j.redii.2023.100030>

9) Ahmadi Nejad N; Golozar MH; **Rouzbahani M**. Rastkar M. The diagnostic performance of magnetic resonance imaging (MRI) in the evaluation of breast ultrasound non-mass lesions: a systematic review: Evaluation of breast non-mass lesions. Archives of Breast Cancer journal, (published), pISSN: **2228-6527**, eISSN: **2228-5466**

10) **Rouzbahani M**; Ghanaati H; Ghavamzadeh A et al. The process of inducing HCC in rabbits is done by intra-arterial injection of HEPG2 cells through an auricular artery. Thieme Medical and Scientific Publishers Pvt. Ltd, AJIR journal, ,( conference paper, published) DOI: 10.1055/s-0043-1763376

11) **Rouzbahani M** Ghanaati H; Esaee M, Ahmad Zadeh A., Elahi R, Rouzbahani M. Comparison of FRED flow diverter with coiling methods in the treatment of cerebral aneurysms. (Under preparation)

Books:

- Alireza Kazemi; Maedeh Rouzbahani; Arezoo Farzi; Mohammad Amin Habibi.

A chapter of a radiology reference book that is in the queue to be printed (2022)

- Maedeh Rouzbahani; Javad Haj Esfandyari.

“Pharmacology in simple words” (2022). Ibn Sina editing.

#### Abstract Presentation in Congress:

1: Rouzbahani M; Ghanaati H; Golzarian J; et al. Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells, 1-year results, Accepted as an oral presentation (2023). RSNA congress, November 26-30: Chicago, Illinois

2: Rouzbahani M; Ghanaati H; Golzarian J; et al. Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells, ninth-month CVIR results (2023). CIRSE congress, September 9-13: Copenhagen, Denmark.

3: Rouzbahani M; Ghanaati H; Golzarian J; et al. Process of inducing HCC In rabbits by intra-arterial injection of HEPG2 cells through auricular artery (2023). CIRSE congress, September 9-13: Copenhagen, Denmark.

4: Rouzbahani M; Ghanaati H; Golzarian J; et al Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells, sixth month results (2023). GEST annual, May 18-21, 2023: NYC USA.

5: Rouzbahani M; Ghanaati H; Sarrami R; et al. Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells: Clinical and MRI findings at one month. GEST MSK, January 20-21, 2023: Paris France.

6: Rouzbahani M; Ghanaati H; Sarrami R; et al. Process of inducing HCC In rabbits by intra-arterial injection of HEPG2 cells through auricular artery (2023). PAIRS annual meeting, February 11-14, 2023. Dubai, UAE.

7: Ghanaati H; Rouzbahani M; Sarrami R; et al. Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells: Early results. PAIRS annual meeting, February 11-14, 2023. Dubai, UAE.

peer reviews:

- 1) <https://www.webofscience.com/wos/op/review-claim/collaborator-invite/bTP8ahA1ITfJCeTfj3m4kogD4VI>
- 2) [Another peer review is ongoing](#)

Invited Lecture:

- 1: Mesenchymal Stromal Cells: Intra-arterial injection technique and results? GEST MSK congress January 2024 ,Paris, France
- 2: Mesenchymal Stromal Cells: Intra-arterial injection technique and results? PAIRS congress 2024 February Dubai, UAE
- 2: Work/life balance in Medical School as a girl, IRIB News Agency ,April 2023
- 3: How to succeed in Medical School: Tehran University News Agency, November 2023
- 4: How to succeed in Medical School: Tehran University News Agency, December 2022
- 5: Workshop on “How to generate ideas and innovate in research?” Shahid Beheshti University, College of paramedical sciences, November 2022
- 6: Innovation and Work/life balance in Medical School: Tehran University News Agency, October 2022

Teaching experiences:

-Motamed Cancer Institute

Workshop on “How to find a good Idea?” (March 2022)

Workshop on “How to write articles?” (August 2022)

Workshop on “How to find a good idea (October 2022)

Workshop on “How to write articles?” (September 2022)

-Porsa academy (An institute for pre-university exam preparation)

Mathematics (2019-2020)

Biology (2019-2020)

Media and Interviews:

- 1) Work/life balance in Medical School as a girl, IRIB News Agency (April 2023)
- 2) How to succeed in Medical School: Tehran University News Agency (November 2023)
- 3) Speeding up research to cure cancer, IRIB News Agency (December 2021)
- 4) Implementation of the first joint cell therapy project of Motamed cancer institute and Tehran university of medical science IRIB News Agency (March 2022)
- 5) How to succeed in Medical School: Tehran University News Agency, December 2022
- 6) Innovation and Work/life balance in Medical School: Tehran University News Agency, October 2022

Management and supervisory experiences:

-CEO of Baniyan Teb Mana company from feb22 till now.

-Advanced Diagnostic and Interventional Radiology Research Center (ADIR) at Imam Khomeini Hospital

Head of Student Research Committee: March 2022 to present

-Motamed cancer institute

Head of Student Research Committee: November 2021 to present

Start-Up experiences:

- Shareholder and CEO of “Baniyan Teb Mana” company (2023)



Baniyan Teb Mana company was just established with the aim of treating knee osteoarthritis in patients. It has been formed using one of my ideas. New treatment ideas will be added to this company in the future.

#### Other skills:

- 1) Creativity
- 2) Communication skill with other team members
- 3) Decision making in critical situations in various projects
- 4) The ability to make the best use of the least resources to get the best results
- 5) Properly manage projects and clinical trials
- 6) Working in animals labs, prepping animals, and managing animal studies
- 7) Active listening and excellent communication with patients, their families

#### Patents:

-One Iranian patent on inducing liver cancer in a Rabbit model, international classification: A61D 7/00-Maedehe Rouzbahani-Hosseini Ghanaati, Ardeshir Ghavamzadeh (2022)

Pending: Treatment of Knee osteoarthritis with Genicular Artery injection of mesenchymal stem cells- Maedehe Rouzbahani-Hosseini Ghanaati

#### Charity:

- 1) Free training for university entrance exam for low-income students

2) Supporting and helping with staff needs in a west of Tehran orphanage

3) Providing stationery for low-income students









