In the name of God
Summary of the scientific-research certificate of the faculty members and researchers
Endocrinology and Metabolism Research Institute
Shahid Beheshti University of Medical Sciences

Name: Mahsa **Family name:** Noroozzadeh	**Scopus ID number:** 55822842100
H-Index: Scopus: 13 (February 2024) **Google scholar:**13 (February 2024)	**Total number of citations to articles:** Scopus: 565 Google scholar: 868 **Number of citations to articles in 2024:** Scopus: 7 Google scholar: 13
Total number of research projects: 52 **Number of research projects in the role of executor:** 25	**Total number of articles:** 55 **Number of articles by the first author/responsible:** 21 **Number of articles in 2024:** 1

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Summary of the scientific-research certificate of the faculty members and researchers
Endocrinology and Metabolism Research Institute
Shahid Beheshti University of Medical Sciences

1. Personal Information

Name: Mahsa **Last name:** Noroozzadeh	**Date of birth:** 1984/Nov/20	**National Code:** 2002281246
Identity Card No: 1916	**Place of Birth**: Dezful	**Father Name:** Rahim
Emails: noroozzadeh@endocrine.ac.ir mahsa_asal82@yahoo.com	**Mobile phone no:** +989166410782	

2. Academic records / training courses

Grade	Education / orientation	Duration of study		University name	Country / city of study	GPA
		Start	End			
Bachelor's degree	Biology	2002	2006	Shahid Chamran University	Ahvaz, Iran	18/26
M.Sc.	Developmental Biology (Embryology)	2007	2010	Islamic Azad University	Tehran, Iran	18

3. Employment Status

Faculty members and formal researchers: Formal researcher			
Contract researchers			
Work start date	**contract type**	**Researcher rank**	**Last upgrade date**
2010		Advanced	2020

4. Research Activities:

Publications:

Full Articles
International articles:

1. Saei Ghare Naz M, Mousavi M, **Noroozzadeh M**, Farahmand M, Azizi F, Ramezani Tehrani F. To what extent the weight changes impact the risk of hypertension among menopausal women: insights from Tehran lipid and glucose study. BMC Women's Health. 2024; 24 (1):128. doi: 10.1186/s12905-024-02974-8. https://pubmed.ncbi.nlm.nih.gov/38373927/

2. Ramezani Tehrani F, Sheidaei A, Rahmati M, Farzadfar F, **Noroozzadeh M**, Hosseinpanah F, Abedini M, Hadaegh F, Valizadeh M, Torkestani F, Khalili D, Firouzi F, Solaymani-Dodaran M, Ostovar A, Azizi F, Behboudi-Gandevani S. Various screening and diagnosis approaches for gestational diabetes mellitus and adverse pregnancy outcomes: a secondary analysis of a randomized non-inferiority field trial. Randomized Controlled Trial BMJ Open Diabetes Res Care. 2023; 11 (6):e003510. https://pubmed.ncbi.nlm.nih.gov/38164706/

3. **Noroozzadeh M**, Rahmati M, Farhadi-Azar M, Saei Ghare Naz M, Azizi F, Ramezani Tehrani F. Maternal androgen excess increases the risk of metabolic syndrome in female offspring in their later life: A long-term population-based follow-up study. Arch Gynecol Obstet. 2023; 308 (5):1555-1566. doi: 10.1007/s00404-023-07132-3. https://pubmed.ncbi.nlm.nih.gov/37422863/

4. Farhadi-Azar M, **Noroozzadeh M**, Ghahremani M, Rahmati M, Saei Ghare Naz M, Azizi F, Ramezani Tehrani F. Maternal androgen excess increases the risk of pre-diabetes mellitus in male offspring in later life: a long-term population-based follow-up study. J Endocrinol Invest. 2023 Sep; 46(9):1775-1785. doi: 10.1007/s40618-022-01972-7. https://pubmed.ncbi.nlm.nih.gov/37081228/

5. Changaei M, Javidan M, Ramezani Tehrani F, Mosaffa N, **Noroozzadeh M**, Hosseinzadeh R, Rajaei S. Reduced expression of Il10, Stat3, Hoxa10, and Itgb3 in the embryo implantation site of rat model with prenatal androgen-induced polycystic ovary syndrome. Am J Reprod Immunol. 2023; 90 (1):e13702. doi: 10.1111/aji.13702. https://pubmed.ncbi.nlm.nih.gov/37062956/

6. **Noroozzadeh M**, Salehi Jahromi M, Gholami H, Amiri M, Ramezani Tehrani F. Ovarian expression of follicle stimulating hormone and activin receptors genes in a prenatally-androgenized rat model of polycystic ovary syndrome in adulthood. Mole Boil Rep. 2022. doi: 10.1007/s11033-022-07601-z. https://pubmed.ncbi.nlm.nih.gov/35668149/

7. **Noroozzadeh M**, Amiri M, Farhadi-Azar M, Ramezani Tehrani F. Bone Health in Women with Polycystic Ovary Syndrome: A Narrative Review. J Clin Densitom. 2022; S1094-6950 (22) 00011-7. doi: 10.1016/j.jocd.2022.02.005. https://pubmed.ncbi.nlm.nih.gov/35430131/

8. **Noroozzadeh M**, Rahmati M, Behboudi-Gandevani S, Ramezani Tehrani F. Maternal hyperandrogenism is associated with a higher risk of type 2 diabetes mellitus and overweight in adolescent and adult female offspring: a long-term population-based follow-up study. J Endocrinol Invest. 2022; 45 (5):963-972. doi: 10.1007/s40618-021-01721-2. https://pubmed.ncbi.nlm.nih.gov/35043365/

9. Farhadi-Azar M, Ghahremani M, Mahboobifard F, **Noroozzadeh M**, Yaghmaei P, Ramezani Tehrani F. Effects of Rosa damascena on reproductive improvement, metabolic parameters, liver function and insulin-like growth factor-1 gene expression in estradiol valerate induced polycystic ovarian syndrome in Wistar rats. Biomed J. 2022; S2319-4170(22)00076-2. doi: 10.1016/j.bj.2022.05.003. https://pubmed.ncbi.nlm.nih.gov/35605922/

10. Javidan M, Changaei M, Ramezani Tehrani F, Mosaffa N, **Noroozzadeh M**, Hosseinzadeh R, Rajaei S. Altered expression of leukemia inhibitory factor (LIF), LIFR, gp130, and IL11 in the embryo implantation site of rat model with prenatal androgen-induced polycystic ovary syndrome. Biochem Biophys Res Commun. 2022; 605:24-30. doi: 10.1016/j.bbrc.2022.03.053. https://pubmed.ncbi.nlm.nih.gov/35306361/

11. Rostami Dovom M, **Noroozzadeh M**, Mosaffa N, Piryaei A, Zadevakili A, Abdollahifar MA, Ramezani Tehrani F. Induction of a rat model of premature ovarian insufficiency using D-galactose feeding during the critical periods of development: A pilot study. Int J Reprod BioMed. 2022, 20(4): 319-330. http://ijrm.ir/article-1-2143-en.html

12. Rostami Dovom M, **Noroozzadeh M**, Mosaffa N, Piryaei A, Zadeh-Vakili A, Aabdollahifar MA, Rahmati M, Farhadi-Azar M, Ramezani Tehrani F. Maternal Exposure to D-galactose Reduces Ovarian Reserve in Female Rat Offspring Later in Life. Int J Endocrinol Metab. 2022; 20 (2):e123206. https://pubmed.ncbi.nlm.nih.gov/35993036/

13. Rostami Dovom M, **Noroozzadeh M**, Mosaffa N, Zadeh-Vakili A, Piryaei A, Rahmati M, Farhadi Azar M, Ramezani Tehrani F. Continued exposure to D-galactose in postnatal period may inhibit excessive primordial follicle reduction in rats exposed prenatally to D-galactose. Birth Defects Res. 2022; 114 (17):1112-1122. doi: 10.1002/bdr2.2083. https://pubmed.ncbi.nlm.nih.gov/36054434/

14. Sarahian N, **Noroozzadeh M**, Saei Ghare Naz M, Eskandari-Roozbahani N, Mahboobifard F, Ramezani Tehrani F. Is there any association between migraine headache and polycystic ovary syndrome (PCOS)? A review article. Mol Biol Rep. 2021; doi: 10.1007/s11033-021-06799-8. https://pubmed.ncbi.nlm.nih.gov/34651295/

15. **Noroozzadeh M**, Raoufy MR, Bidhendi Yarandi R, Faraji Shahrivar F, Moghimi N, Ramezani Tehrani F. Cardiac function and tolerance to ischemia/reperfusion injury in a rat model of polycystic ovary syndrome during the postmenopausal period. Life Sciences. 2020; 1; 262:118394. https://www.sciencedirect.com/science/article/abs/pii/S0024320520311474

16. Rostami Dovom M, **Noroozzadeh M**, Mosaffa N, Zadeh-Vakili A, Piryaei A, Ramezani Tehrani F. Induced premature ovarian insufficiency by using D galactose and its effects on reproductive profiles in small laboratory animals: a systematic review. J Ovarian Res 2019; 12 (1): 96. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/31619267

17. **Noroozzadeh M**, Raoufy MR, Bidhendi Yarandi R, Faraji Shahrivar F, Ramezani Tehrani F. The effects of prenatal androgen exposure on cardiac function and tolerance to ischemia/reperfusion injury in male and female rats during adulthood. Life Sciences. 2019; 15: 251-260. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/31112711

18. **Noroozzadeh M**, Behboudi-Gandevani S, Mosaffa N, Tohidi M, Ramezani Tehrani F. High prevalence of benign mammary tumors in a rat model of polycystic ovary syndrome during postmenopausal period. Gynecol Endocrinol: the official journal of the International Society of Gynecological Endocrinology 2019; 35 (8): 679-684. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/30990105

19. Ramezani Tehrani F and Gulf Study Cooperative Research Group. Cost effectiveness of different screening strategies for gestational diabetes mellitus screening: study protocol of a randomized community non-inferiority trial. Diabetol Metabol Syndr. 2019; 11:106. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/

20. Ramezani Tehrani F, Behboudi-Gandevani S, Rostami Dovom M, Farahmand M, Minooee S, **Noroozzadeh M**, Amiri M, Nazarpour S, Azizi F. Reproductive Assessment: Findings from 20 Years of the Tehran Lipid and Glucose Study. Int J Endocrinol Metab 2018; 16 (4 Suppl): e84786. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/30584446

21. Nazarpour S, Ramezani Tehrani F, Rahmati M, Minooee S, Simbar M, **Noroozzadeh M**, Azizi F. Validation of Billewicz Scoring System for Detection of Overt Hypothyroidism During Pregnancy. Int J Endocrinol Metab 2018; 16 (3):e64249. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/30323849

22. Sajadi M, **Noroozzadeh M**, Bagheripour F, Ramezani Tehrani F. Contractions in the Isolated Uterus of a Rat Model of Polycystic Ovary Syndrome Compared to Controls in Adulthood. Int J Endocrinol Metab 2018; 16 (2):e63135. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/30008759

23. Behboudi-Gandevani S, Amiri M, Bidhendi Yarandi R, **Noroozzadeh M**, Farahmand M, Rostami Dovom M, Ramezani Tehrani F. The risk of metabolic syndrome in polycystic ovary syndrome: A systematic review and meta-analysis. Clin Endocrinol 2018; 88 (2): 169-184. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/28930378

24. **Noroozzadeh M**, Behboudi-Gandevani S, Zadeh-Vakili A, Ramezani Tehrani F. Hormone-induced rat model of polycystic ovary syndrome: A systematic review. Life sciences 2017; 191: 259-272. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/29055801

25. Behboudi-Gandevani S, Ramezani Tehrani F, Cheraghi L, **Noroozzadeh M**, Farahmand M, Azizi F. Trends of contraception use among married reproductive age women: Tehran lipid and glucose cohort study 2002-2011. Sex Reprod Healthc: official journal of the Swedish Association of Midwives 2017; 12: 116-122. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/28477923

26. Behboudi-Gandevani S, Ramezani Tehrani F, Bidhendi Yarandi R, **Noroozzadeh M**, Hedayati M, Azizi F. The association between polycystic ovary syndrome, obesity, and the serum concentration of adipokines. J Endocrinol Invest 2017; 40 (8): 859-866. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/28332170

27. Salehi Jahromi M, Ramezani Tehrani F, Hill JW, **Noroozzadeh M**, Zarkesh M, Ghasemi A, Zadeh-Vakili A. Alteration in follistatin gene expression detected in prenatally androgenized rats. Gynecol Endocrinol: the official journal of the International Society of Gynecological Endocrinology 2017; 33 (6): 433-437. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/28277126

28. **Noroozzadeh M**, Ramezani Tehrani F, Bahri Khomami M, Azizi F. A Comparison of Sexual Function in Women with Polycystic Ovary Syndrome (PCOS) Whose Mothers Had PCOS During Their Pregnancy Period with Those Without PCOS. Arch Sex Behav 2017; 46 (7): 2033-2042. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/28070801

29. **Noroozzadeh M**, Tehrani FR, Mobarakabadi SS, Farahmand M, Dovom MR. Sexual function and hormonal profiles in women with and without polycystic ovary syndrome: a population-based study. Int J Impot Res 2017; 29 (1):1-6. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/27654035

30. Sareh Z, Azita Zadeh V , **Noroozzadeh M**, Razieh Bidhendi Y , Asghar G5 , Amir RA and Fahimeh Ramezani F. Prenatal Exposure of Kisspeptin Antagonist on the GonadotropinReleasing Hormone (GnRH) Expression in Rat Model of Polycystic Ovary Syndrome. Journal of Fertilization: In vitro - IVF-Worldwide, Reproductive Medicine, Genetics & Stem Cell Biology 2017; 5 (3): https://www.longdom.org/abstract

31. Ghanbari M, Bagheripuor F, Piryaei A, Zahediasl S, **Noroozzadeh M**, Ghasemi A. Hemodynamic properties and arterial structure in male rat offspring with fetal hypothyroidism. Gen Physiol Biophys 2016; 35 (4): 397-405. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/27527724

32. Jahromi MS, Tehrani FR, **Noroozzadeh M**, Zarkesh M, Ghasemi A, Zadeh-Vakili A. Elevated expression of steroidogenesis pathway genes; CYP17, GATA6 and StAR in prenatally androgenized rats. Gene 2016; 593 (1):167-171. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/27511375

33. Behboudi-Gandevani S, Ramezani Tehrani F, Rostami Dovom M, Farahmand M, Bahri Khomami M, **Noroozzadeh M**, Kabir A, Azizi F. Insulin resistance in obesity and polycystic ovary syndrome: systematic review and meta-analysis of observational studies. Gynecol Endocrinol: the official journal of the International Society of Gynecological Endocrinology 2016; 32 (5): 343-353. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/27052492

34. Daneshian Z, Ramezani Tehrani F, Zarkesh M, **Noroozzadeh M**, Reza Mahdian , Azita Zadeh Vakili. Antimullerian Hormone and Its Receptor Gene Expression in Prenatally Androgenized Female Rats. Int J Endocrinol Metab 2015; 13 (1):e19511. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4338645/

35. Farahmand M, Ramezani Tehrani F, Bahri Khomami M, **Noroozzadeh M**, Azizi F. Surgical menopause versus natural menopause and cardio-metabolic disturbances: A 12-year population-based cohort study. J Endocrinol Invest 2015; 38 (7): 761-767. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/25722224

36. **Noroozzadeh M**, Ramezani Tehrani F, Sedaghat K, Godini A, Azizi F. The impact of prenatal exposure to a single dose of testosterone on insulin resistance, glucose tolerance and lipid profile of female rat's offspring in adulthood. J Endocrinol Invest 2015; 38(5):489-495. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/25527160

37. Rostami Dovom M, Ramezani Tehrani F, Abedini M, Amirshekari G, Hashemi S, **Noroozzadeh M**. A population-based study on infertility and its influencing factors in four selected provinces in Iran (2008-2010). Iran J Reprod Med 2014; 12 (8): 561-566. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/25408706

38. Ramezani Tehrani F, **Noroozzadeh M**, Zahediasl S, Piryaei A, Hashemi S, Azizi F. The time of prenatal androgen exposure affects development of polycystic ovary syndrome-like phenotype in

adulthood in female rats. Int J Endocrinol Metab 2014; 12 (2):e16502. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/24910644

39. Tehrani FR, **Noroozzadeh M**, Zahediasl S, Piryaei A, Azizi F. Introducing a rat model of prenatal androgen-induced polycystic ovary syndrome in adulthood. Exp Physiol 2014; 99 (5): 792-801. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/24532600

40. Hashemi S, Ramezani Tehrani F, **Noroozzadeh M**, Azizi F. Normal cut-off values for hyperandrogenaemia in Iranian women of reproductive age. Eur J Obstet Gynecol Reprod Biol 2014; 172: 51-55. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/24220143

41. Ramezani Tehrani F, **Noroozzadeh M**, Zahediasl S, Ghasemi A, Piryaei A, Azizi F. Prenatal testosterone exposure worsen the reproductive performance of male rat at adulthood. PLoS One 2013; 8(8): e71705. https://pmlegacy.ncbi.nlm.nih.gov/pubmed/23967236

National articles:

1. **Noroozzadeh M**, Amiri M, Ramezani Tehrani F. Alzheimer and its Underlying Factors in Patients with Polycystic Ovary Syndrome: A Narrative Review. Iran J Endocrinol Metab 2023; 25 (1): 65-77. http://ijem.sbmu.ac.ir/article-1-3080-en.html

2. Farhadi-Azar M, Saei GNM, **Noroozzadeh M**, Ramezani TF. The role of gut microbiota in the development of common metabolic disorders in polycystic ovary syndrome: a narrative review. Iran J Endocrinol Metab 2023; 24 (6):401-419. http://ijem.sbmu.ac.ir/article-1-3063-en.html

3. **Noroozzadeh M**, Tehrani FR. Bone health in endocrine diseases associated with androgen excess: a narrative review. Iran J Endocrinol Metab 2022; 23 (6): 426-436. http://ijem.sbmu.ac.ir/article-1-2960-en.html

4. **Noroozzadeh M**, Sarahian N, Ramezani Tehrani F. Effect of fetal hyperexposure to testosterone on cardiac tolerance to ischemia-reperfusion injury in male rats in adulthood. Scientific journal of Kurdistan university of medical sciences 2022; 27 (1): 39-54. http://sjku.muk.ac.ir/article-1-5883-en.html

5. **Noroozzadeh M**, Jahromi MS, Gholami H, Tehrani FR. Expression of Luteinizing Hormone (LH) Receptor Gene in the Ovary of a Prenatally-Androgenized Rat Model of Polycystic Ovary Syndrome Following Androgen Exposure in the Prenatal Period. Iran J Endocrinol and Metab 2021; 23 (2): 92-101. http://ijem.sbmu.ac.ir/article-1-2888-en.html

6. Zadeh-Vakili A, Tehrani FR, Daneshian Z, **Noroozzadeh M**, Zarkesh M. Effect of prenatal hyperandrogenization on expression of adiponectin and its receptors in ovary and granulosa cells from the rat model of polycystic ovary. Iran J Endocrinol Metab 2021; 23 (2): 81-91. http://ijem.sbmu.ac.ir/article-1-2901-en.html

7. Sarahian N, **Noroozzadeh M**, Changaei M, Ramezani Tehrani F. The Role of Central Nervous System and Hypothalamic-Pituitary-Gonadal (HPG) Axis Changes in the Occurrence of Polycystic

Ovary Syndrome: A Narrative Review Article. Journal of Rafsanjan University of Medical Sciences 2020; 19 (7): 727-748. http://journal.rums.ac.ir/article-1-5468-en.html

8. **Noroozzadeh M**, Ramezani Tehrani F, Zadeh-Vakili A, Piryaei A, Azizi F. The effect of intrauterine injection of androgen on reproductive system and hormonal changes in adult female rat's offspring. Iranian Journal of Physiology and Pharmacology 2017; 1 (2):79-71. http://ijpp.phypha.ir/article-1-256-en.html

9. Farahmand M, Ramezani Tehrani F, **Noroozzadeh M**, Azizi F. The relationship between some risk factors of cardiovascular diseases in reproductive age women with duration of oral contraceptive pills use. Medical Sciences 2015; 24 (4): 242-247. http://tmuj.iautmu.ac.ir/article-1-874-en.html

10. **Noroozzadeh M**, Sarahian N, Bidhendi Yarandi R, Ramezani Tehrani F. Evaluation of cardiac hemodynamic parameters following ischemia-reperfusion injury in a rat model of polycystic ovary syndrome. J Mazandaran Univ Med Sci 30 (184), 73-85. http://jmums.mazums.ac.ir/article-1-14608-en.html

11. Hashemi S, Tehrani FR, **Noroozzadeh M**, Dovom MR, Azizi F. Infertility, the most adverse outcome among sexual function outcome affecting of Iranian women with polycystic ovarian syndrome. Iran J Endocrinol Metab 2014; 16:197-204.

12. Rashidi H, Ramezani Tehrani F, Bahri Khomami M, Rostami Dovom M, **Noroozzadeh M**, Azizi F. The Prevalence of Various Phenotypes of Polycystic Ovary Syndrome: a Community-Based Study in Southwest of Iran. Iran J Endocrinol Metab 2014; 16 (2):119-126. http://ijem.sbmu.ac.ir/article-1-1615-en.html

13. **Noroozzadeh M**, Ramezani Tehrani F, Zadeh Vakili A, Piryaei A, Ghasemi A, Azizi F. The effects of testosterone intrauterine disturbance on sperm quality and testis tissue in male rat's offspring after puberty. Iran South Medical Journal (ISMJ) 1395; 19 (3): 372-384. https://www.sid.ir/paper/33687/en

14. Sadeghian E, Momtaz Z, Sadoughi M, Azarnia M, Bahadoran H, **Noroozzadeh M**, Sahraei H. The effect of uncontrolled stress and morphine consumption on spinal cord development in Wistar rats' embryo. Journal of Kermanshah University of Medical Sciences 2012; 16 (3) e78800. https://brieflands.com/articles/jkums-78800

Research projects:

1. Relationship between weight changes with hypertension risk among postmenopausal women: Tehran Lipid and Glucose Study.

2. Prenatal androgen exposure and the risk of metabolic syndrome in women: Tehran Lipid and Glucose Study (TLGS).

3. Examination of cardiovascular risk factors in men participating in Tehran Lipid and Glucose Study (TLGS) with maternal hyperandrogenemia history.

4. Assessment of reproductive health indexes in TLGS.

5. Examination of cardiovascular risk factors in women participating in Tehran Lipid and Glucose Study (TLGS) with history of maternal clinical hyperandrogenism.

6. Evaluation of the prevalence of polycystic ovary morphology using ultasonography among reproductive age women participating in Tehran Lipid and Glucose Study.

7. The effects of prenatal androgen exposure on sexual function in women with polycystic ovary syndrome.

8. Sexual function and hormonal profiles in women with and without polycystic ovary syndrome: A population-based study.

9. Investigation of Cardiometabolic Profille Among Women with Idiopathic Hirsutism Over the Time: Tehran Lipid and Glucose Study (TLGS).

10. Effects of Rosa damascena extract on the clinical characteristics of mouse model of polycystic ovary syndrome.

11. Effect of Rosa damascena extracts on biochemical and histological parameters and gene expression of IGF-1 in Wistar rats model of polycystic ovary syndrome.

12. Inducing premature ovarian insufficiency experimental model through in utero exposure to galactose and comparison of the reproductive, metabolic, and immunological characteristics of female first-generation rats with controls.

13. Comparison of LH receptor gene expression profiling in the ovaries of normal and PCOS model rats.

14. Examination of cardiac function and tolerance to ischemia-reperfusion injury in a menopause rat model of polycystic ovary syndrome.

15. The comparison of myocardial ischemia-reperfusion injury in prenatally androgenized male and female rats compared to controls in adulthood.

16. Study and comparison of FSH-R and Activin-R genes expression profiling in the ovaries of normal and PCOS model rats.

17. Comparison of two models of surgically-induced (peritoneal and ovarian) endometriosis in NMRI mice.

18. Study and comparison of Aromatase gene expression profiling in the ovaries of normal and PCOS model rats.

19. Examination of appearance of breast tumor in a rat model of polycystic ovary syndrome.

20. The examination of myometrium contraction in rats with polycystic ovary syndrome compared to controls.

21. Study of Kisspeptin antagonist effect on gonadotropin-releasing hormone (GnRH1) gene expression in hypothalamus of rats with polycystic ovary syndrome.

22. Study and comparison of CYP17A and FST genes expression in theca cells of normal and PCOS model rats.

23. The examination of metabolic disorders in rats with polycystic ovary syndrome compared to control rats.

24. The effect of prenatal testosterone exposure on reproductive system performance in male rats after puberty.

25. Dose the time of prenatal androgen exposure affect development of polycystic ovary syndrome-like phenotype in adulthood in female rats?

26. Introducing a rat model of prenatally androgen-induced polycystic ovary syndrome in adulthood.

27. Study of Anti-Mullerian hormone, Adiponectin and their receptors gene expression by granulosa cells in a rat model of polycystic ovary syndrome.

28. The effect of maternal hypothyroidism on hemodynamic parameters of the adult offspring in male rats.

29. Bone metabolism in polycystic ovary syndrome: A narrative review.

30. Alzheimer and its underlying factors in patients with polycystic ovary syndrome: a narrative review.

31. Ovarian aging and metabolic disturbances: review study.

32. A narrative review on challenges in diagnosis and treatment of polycystic ovary syndrome in adolescents.

33. Ovarian Changes in induced premature ovarian failure animal models by Chemotherapy agents: A Systematic Review.

34. The relationship between Migraine Headache and Symptoms and Complications of Polycystic Ovary Syndrome: A Narrative Review.

35. The risk of metabolic syndrome in polycystic ovary syndrome: A systematic review and meta-analysis.

36. Rat models of polycystic ovary syndrome (Review).

37. To determine the insulin resistance and metabolic syndrome in women with polycystic ovary syndrome compared with women with polycystic ovary syndrome: a systematic review and meta-analysis.

Congress:

1. **Noroozzadeh M**, Rahmati M, Ramezani Tehrani F. A higher risk of type 2 diabetes mellitus and overweight in female offspring of women with androgen excess during their pregnancy period: A

long-term population-based follow-up study. 14th International Congress of Endocrine Disorders, Tehran, Iran. Presentation: Poster

2. **Noroozzadeh M**, Behboudi-Gandevani S, Farahmand M, Rostami Dovom M, Ramezani Tehrani F. Prenatal androgen exposure leads to occurrence of benign mammary tumors in female rats in later life. 12th International Congress of Endocrine Disorders, Tehran, Iran. Presentation: Poster

3. **Noroozzadeh M**, Faragi Shahrivar F, Raoufi MR, Ramezani Tehrani F. The effect of prenatal exposure to a single dose of testosterone on cardiac function in male and female rats in adulthood. International Congress of Gynecology & Endocrinology. Italy. Presentation: Oral

4. **Noroozzadeh M**, Ramezani Tehrani F. Correlations between Female Sexual Function Index and androgen levels in women with polycystic ovary syndrome and healthy women.10th International Congress of Endocrine Disorders, Tehran, Iran. Presentation: Oral

5. **Noroozzadeh M**, Farhadi Azar M, Ramezani Tehrani F. Cardiac tolerance to ischemia/reperfusion injury in a rat model of polycystic ovary syndrome. 13th International Congress of Endocrine Disorders, Tehran, Iran. Presentation: Poster

6. **Noroozzadeh M**, Ramezani Tehrani F, Zahediasl S, Piryaei A. The effects of prenatal androgen exposure on sperm quality in male rats in adulthood. 5th Yazd International Congress and Student Award in Reproductive Medicine, Yazd, Iran. Presentation: Poster

7. **Noroozzadeh M**, Ramezani Tehrani F. The effects of in utero androgen exposure on sexual function in women with PCOS. The 17th International Congress of Endocrinology Held in Conjunction With The 15th Annual Meeting of Chinese Society of Endocrinology, Beijing, China. Presentation: Poster

8. **Noroozzadeh M**, Ramezani Tehrani F. The effect of prenatal androgen excess on morphological disorders of reproductive system in female rats. A morphological study. 19th International Iranian Congress Physiology and Pharmacology. Presentation: Poster

9. **Noroozzadeh M**, Ramezani Tehrani F. The comparison of the effect of two different doses of testosterone on development of polycystic ovary syndrome-like phenotype in female rat's offspring in adulthood. The 10th International Congress of Endocrine Disorders. Presentation: Poster.

10. **Noroozzadeh M**, Ramezani Tehrani F, Sedigh Mobarakabadi S, Farahmand M, Rostami Dovom M. Comparison of the effects of androgen on sexual function in women with and without polycystic ovary syndrome (PCOS). The 2nd International Congress on Reproduction, Yazd, Iran. Presentation: Poster

11. **Noroozzadeh M**, Behboudi-Gandevani S, Farahmand M, Rostami Dovom M, Ramezani Tehrani F. Comparison of pre and postnatal rat model of polycystic ovary syndrome. International Congress on Reproductive Biomedicine, Yazd, Iran. Presentation: Poster

12. **Noroozzadeh M**, Rahmati M, Ramezani Tehrani F. Prenatal androgen exposure and overweight in female offspring in later life. Tehran lipid and glucose study. 8th national obesity congress, Tehran, Iran. Presentation: Poster

13. **Noroozzadeh M**, Ramezani Tehrani F, Zahediasl S, Piryaei A, Azizi F. Prenatal exposure to a single dose of testosterone leads to appearance of polycystic ovary syndrome in female rat's offspring in

adulthood. The 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress, Yazd, Iran. Presentation: Poster

14. Behboudi-Gandevani S, Ramezani Tehrani F, **Noroozzadeh M**, Rostami Dovom M, Farahmand M, Azizi F. Risk of metabolic syndrome in polycystic ovary syndrome: Tehran Lipid and Glucose Study. 10th International Congress of Endocrine Disorders, Tehran, Iran. Presentation: Oral

15. Nazarpour S, Teimoori L, **Noroozzadeh M**. Evaluation of cadmium concentration in Mother's milk. The 3rd International Congress on Biomedicine, Tehran, Iran. Presentation: Oral

16. Rostami Dovom M, **Noroozzadeh M**, Mosaffa N, Zadeh-Vakili A, Piryaei A, Ramezani Tehrani F. Ovarian histological profile by using D galactose induction for premature ovarian failure model in small laboratory animals: A systematic review. The 3rd International Congress on Biomedicine, Tehran, Iran. Presentation: Poster

17. Behboudi-gandevani S, Ramezani Tehrani F, **Noroozzadeh M**, Roatami Dovom M, Farahmand M, Azizi F. Risk of pre-hypertension and hypertension in polysystic ovary syndrom: Tehran Lipid and Glucose Study 10th International Congress of Endocrine Disorders, Tehran, Iran. Presentation: Oral

18. Behboudi- Gandevani S, Ramezani Tehrani F, **Noroozzadeh M**, Rostami Dovom M, Farahmand M, Amiri M, Azizi F. The risk of hypertension in polycystic ovary syndrome: long-term population-based cohort study. International Congress on Reproductive Biomedicine, Yazd, Iran. Presentation: Poster

Symposiums and Webinars:

1. Polycystic ovary syndrome in adolescents and adults, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2024).

2. Diabetes and nutrition (prevention and treatment), Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2024).

3. Hormone assay, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2024).

4. Laboratory Quality Control Workshop, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2019)

5. Principles of Working with Laboratory Animals, Experimental Medicine Research Center, Tehran University of Medical Sciences, Tehran, Iran (2018)

6. Hormone Therapy for Sexual Dysfunction, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran. (2015)

7. Application of Laboratory Animals in Embryology Research, Royan Institute, Tehran, Iran (2014)

8. Polycystic Ovary Syndrome, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran. (2014)

9. Treatment of Menstrual Cycle Disorders, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran. (2012)

10. Medical Paper Writing Workshop, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2012)

11. Preliminary Research Method Workshop, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2011)

12. Research Methods Workshop, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2011)

13. Scientific writing Workshop, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2011)

14. Scientific Presentation Workshop, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2010)

Grant support

1. 2023 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: Ramezani Tehrani F, and **Noroozzadeh M**) "Alzheimer and its underlying factors in patients with polycystic ovary syndrome: a narrative review"

2. 2023 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: Ramezani Tehrani F, and **Noroozzadeh M**) "Assessment of bone mass in polycystic ovary syndrome (PCOS) rats compared to controls"

3. 2023 NIMAD, Tehran, Iran (PIs: Ramezani Tehrani F, and **Noroozzadeh M**) "Assessment of bone mass in a rat model of polycystic ovary syndrome (PCOS)"

4. 2022 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: Ramezani Tehrani F, and **Noroozzadeh M**) "Examination of cardiovascular risk factors in women participating in Tehran Lipid and Glucose Study (TLGS) with history of maternal clinical hyperandrogenism"

5. 2022 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: **Noroozzadeh M,** and F Ramezani Tehrani, MD) "Comparison of LH receptor gene expression profiling in the ovaries of normal and PCOS model rats"

6. 2022 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: **Noroozzadeh M,** and F Ramezani Tehrani) "Study and comparison of FSHR and ActivinR genes expression profiling in the ovaries of nomal and PCOS model rats"

7. 2022 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: **Noroozzadeh M,** and F Ramezani Tehrani) "Study and comparison of Aromatase gene expression profiling in the ovaries of normal and PCOS model rats"

8. 2021 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: Ramezani Tehrani F, and **Noroozzadeh M**) "Examination of cardiac function and tolerance to ischemia-reperfusion injury in a menopause rat model of polycystic ovary syndrome"

9. 2018 Young Researcher Grant. International Congress of Gynecology & Endocrinology. Florence, Italy

10. 2017 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: Ramezani Tehrani F and **Noroozzadeh M**) "Examination of breast tumors in a rat model of polycystic ovary syndrome"

11. 2017 Shahid Beheshti University of Medical Sciences, Tehran, Iran (PIs: Ramezani Tehrani F and **Noroozzadeh M**) "Hormone-induced rat model of polycystic ovary syndrome"

5. Executive records (responsibilities):

No.	Title of responsibility	Organization / Institute	Year
1	Laboratory expert	Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran	2010 until now (2024)

6. Academic Awards:

1. Top Researcher. Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2019)

2. Top Researcher. Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2018)

3. Top Researcher. International Congress of Gynecology & Endocrinology. Florence, Italy (2018)

4. Top student in Bachelor's degree

5. Top student in Master's degree

7. Membership in scientific forums and associations:

Embryology forum (Iran)

8. Skills (mastering foreign languages, software or device, ...) (with full specifications):

1. Writing scientific-medical articles
2. Mastery of English language

3. Mastery of WORD and Excel software
4. Mastery of SPSS and PRISM software
5. Mastery of searching in reliable scientific databases
6. Working with the Langendorf device (isolated heart)
7. Working with a tissue microtome
8. Mastering the preparation of tissue sections for microscopic examination (histopathology)
9. Examination of rat ovarian tissue and ovarian follicles under light microscope
10. Animal (rat) modeling of polycystic ovary syndrome
11. Animal (rat) modeling of premature ovarian menopause
12. Working with a laboratory animal (rat) (surgery, intraperitoneal injection, subcutaneous injection, blood sampling)
13. Performing insulin tolerance test in rats
14. Performing glucose tolerance test by intraperitoneal and intravenous methods in rats
15. Isolation of bones in rats
16. Performing a behavioral test (water maze) in rats
17. Isolation of brain and hippocampus in rats
18. Hormone measurement by ELISA method
19. Determining sexual cycle phases in rats
20. Set up histology
21. Set up Langendorf system (isolated heart)
22. Real-time PCR