

# Curriculum Vitae



## **Azadeh Amraee, Ph.D.**

Assistance Professor of Medical Physics

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Year and place of birth: 1990 (1369), Kuhdasht, Lorestan, Iran

## **Educational Summary**

Ph.D. (Medical Physics)      Iran University of Medical Sciences, Tehran, Iran

2017-2022

M.Sc. (Radiobiology)      Shiraz University of Medical Sciences, Shiraz, Iran

2012-2015

B.Sc. (Radiotherapy)      Jondi Shapur University of Medical Sciences, Ahvaz, Iran

2008-2012

## **Research Interests**

- Radiotherapy & Oncology
- Radiobiology
- gene expression
- Nanomedicine

- Cell culture
- Radiation Protection
- Dosimetry

## Publications

1. Radiation-induced non-targeted effect and carcinogenesis; implications in clinical radiotherapy. R Yahyapour, A Salajegheh, A Safari, P Amini, A Rezaey-An, **A Amraee**, M Najafi. Journal of Biomedical Physics and Engineering. 2018
2. Evaluation of thyroid gland as an organ at risk after breast cancer radiotherapy: a systematic review and meta-analysis. L Darvish, M Ghorbani, S Hosseini Teshnizi, N Roozbeh, F Seif, M Reza Bayatiani, C Knaup, **Azadeh Amraee** \*. Clinical and Translational Oncology. 2018
3. Influence of radiofrequency electromagnetic fields on the fertility system: protocol for a systematic review and meta-analysis. Nasibeh Roozbeh, Fatemeh Abdi, **Azadeh Amraee**, Zahra Atarodi Kashani, Leili Darvish. JMIR research protocols. 2018
4. Efficacy of nivolumab as checkpoint inhibitor drug on survival rate of patients with relapsed/refractory classical Hodgkin lymphoma: a meta-analysis of prospective clinical study. **Azadeh Amraee**, MR Evazi, M Shakeri, N Roozbeh, M Ghazanfarpour, M Ghorbani, J Ansari, L Darvish. Clinical and Translational Oncology. 2019
5. Color Doppler ultrasonography diagnostic value in detection of malignant nodules in cysts with pathologically proven thyroid malignancy: a systematic review and meta-analysis. L Darvish, M Khezri, S Hosseini Teshnizi, N Roozbeh, JG Dehkordi, **Azadeh Amraee** \*. Clinical and Translational Oncology. 2019
6. Dose-response relationship and normal-tissue complication probability of conductive hearing loss in patients undergoing head-and-neck or cranial radiotherapy: a prospective . Mohammad Amin Mosleh-Shirazi, **Azadeh Amraee**, Fathollah Mohaghegh. European Journal of Medical Physics. 2019
7. The impact of radiofrequency waves on male infertility: a systematic review. Leili Darvish, **Azadeh Amraee**, Marjan Akhavan Amjadi, Zahra Atarodi Kashani, Masoumeh Ghazanfarpour, Nasibeh Roozbeh, Fatemeh Abdi. Shiraz E-Medical Journal. 2021
8. Correlation between base transceiver station and the quality of sleep and life of nearby residents. **Azadeh Amraee**, Fatemeh Seif, Mohamad Reza Bayatiani, Mahsa Shakeri, Farideh Zakeri. Iranian Journal of Medical Physics. 2021
9. Curcumin Coated Ultra-Small Iron Oxide Nanoparticles as T1 Contrast Agents for Magnetic Resonance Imaging of Cancer Cells. **Azadeh Amraee**\*, Abolfazl Sarikhani, Leili Darvish, Zahra Alamzadeh, Rasoul irajirad, Seyed Rabie Mahdavi. Journal of Biomedical Physics and Engineering. 2022
10. Evaluation of ultra-small iron oxide nanoparticles as T1-weighted MRI contrast in cancerous tissues: a meta-analysis. **A. Amraee**, S. Khoei \*, MT. Bahreyni-Toossi, H. Azimian, F. Ansari, F. Fallahi, N. Robatmili, S. H. Teshnizi, L. Darvish. Clinical and Translational Imaging. 2022
11. Ultrasmall iron oxide nanoparticles and gadolinium-based contrast agents in magnetic resonance imaging: a systematic review and meta-analysis. **Azadeh Amraee**, Samideh Khoei, Seied Rabi Mahdavi, Mohammad Reza Tohidkia, Ali Tarighatnia, Leili Darvish, Saeed Hosseini Teshnizi, Ayuob Aghanejad. Clinical and Translational Imaging. 2022
12. The role of microRNA-induced apoptosis in diverse radioresistant cancers. Leili Darvish, Mohammad Taghi Bahreyni Toossi, Hosein Azimian, Mahsa Shakeri, Elham Dolat, Ali Ahmadizad

Firouzjaei, Samaneh Rezaie, **Azadeh Amraee**, Seyed Hamid Aghaee-Bakhtiari. Cellular Signalling. 2023

## **Papers presented in National & Int. conferences**

1. A prospective study of dose–response relationship and NTCP of conductive hearing loss in patients undergoing head and neck radiotherapy. **Azadeh Amraee**, M Amin Mosleh-Shirazi, Fathollah Mohaghegh
2. Effect of BTS on the quality of sleep and life of nearby residents. **Azadeh Amraee**, Fateme Seif, Mahsa SHakeri, Mohammad Reza Bayatiani

## **Journal Reviewer**

1. MedREAD Journal of Breast cancer
2. Journal of Advanced Clinical Case Reports

## **Clinical Lab & Work Experience**

Diagnostic nanoparticles and radiobiology laboratory

- Nanoparticle Synthesis and application in cancer diagnosis and treatment, Cell culture, MRI relaxometry

The Department of Radiation Oncology at Sinai Hospital, Arak, Iran

- 3D & IMRT Treatment Planning,
- Radiation Protection
- Dosimetry
- QC (Diagnostic radiology and radiotherapy equipments)

## **HONORS & AWARDS**

- Top student in Ph.D degree
- Member of Iran's National Elites Foundation
- Top speaker at national conference on optimization of radiation therapy

## **Membership**

- Iranian Association of Medical Physicists (IAMP)