

In the name of Allah, the Merciful

•Scientific biography of Dr
Hamid Reza Mirzaei

Curriculum Vitae:
DR.HR Mirzaei

Dr. Hamid Reza Mirzaei

Radiotherapy Oncology Specialist

Born: ۰۶/۱۱/۱۳۴۴, Tehran

۱۹۹۱ Year of obtaining a general practitioner license

:Year of obtaining PhD in Radiotherapy Oncology ۱۹۹۷

Academic rank: Associate Professor

Contact number : +۹۸(۲۱)۲۲۷۱۸۰۱۱

Email: Mirzaei۶۰@yahoo.com

Theses in which he has been present as an advisor:

- ۱) Social support and self-esteem with the level of depression and anxiety in patients with cancer
- ۲) Investigating the early effects of radiation on rat kidneys by studying the activities of GSH, MDA and LDH enzymes Comparing the protective effect of melatonin and captopril as two radioprotectors
- ۳) The relationship between prognostic markers and the likelihood of brain metastasis in breast cancer in Bu Ali, Kasra, Lavasani and Novin Institute hospitals during ۲۰۰۶-۲۰۱۲
- ۴) The effectiveness of stress coping skills training on reducing perceived stress, increasing self-efficacy, and quality of life in patients with breast cancer
- ۵) GSH and MDA enzymes and LDH Comparing the protective effect of melatonin and captopril as two radioprotectors
- ۶) Translation and psychometric evaluation of the post-traumatic growth instrument in cancer patients
- ۷) Investigating the relationship between dietary patterns and breast cancer risk in women aged ۳۰-۶۵
- ۸) Studying the relationship between dietary patterns and breast cancer risk in women aged ۳۰-۶۵
- ۹) Evaluation of the feasibility of simultaneous imaging, treatment planning and dosimetry during IORT of Patan tumors and comparison of the results

of preoperative and postoperative treatment planning in this treatment technique

- ۱۰) Developing the concept of post-traumatic growth in cancer patients
- ۱۱) Developing the concept of post-traumatic growth in cancer patients
- ۱۲) Studying the effect of ... and ۶MV X-rays on the amount of cellular and genetic damage caused by IUDR radiosensitivity in a spheroid culture model of glioblastoma cells using the neutral colonization and differentiation method
- ۱۳) Calculation of dose delivered to the thyroid in patients with breast cancer using direct dosimetry and simulation method with MCNP code
- ۱۴) MCT and ACT components and determining its effectiveness on metacognitive belief, acceptance and commitment, and psychological capital of patients with breast cancer == Consultant
- ۱۵) ^{۱۸۸}Re-HEDP radiopharmaceutical in the palliative treatment of disseminated bone metastases == Consultant Professor
- ۱۶) Microscopic examination of changes in normal oral mucosal epithelial cells affected by radiotherapy and chemotherapy in patients with head and neck cancer
- ۱۷) Microscopic examination of changes in normal oral mucosal epithelial cells affected by radiotherapy and chemotherapy in patients with head and neck cancer
- ۱۸) Determining the effectiveness and comparing two rational - emotional-behavioral approaches and the reality therapy approach, as well as the combination of these two approaches, on the hope of patients with grade II invasive tubular breast cancer in Tehran

١٩) Comparison of dose to the heart in deep breathing and free breathing conditions in left breast radiotherapy

٢٠) Comparison of dose to the heart in deep breathing and free breathing positions in left breast radiotherapy

٢١) a Dose Dense ,chemotherapy protocol including epirubicin cyclophosphamide, and then Docetaxel In breast cancer with lymph node involvement

٢٢) Investigating the early effects of radiation on rat lungs by studying the activity of GSH and MDA enzymes and LDH in comparing the protective effect of melatonin and captopril as two radioprotectors

Scientific articles that he has published in Persian—language scientific journals:

- ۱) Communication Receive Folate With Danger Cancer breast In Women
Tehrani Volume ۶ Issue ۴ Winter ۲۰۱۱
- ۲) . The relationship between breast cancer and dietary patterns in women
Journal Endocrine glands Iranian Microbiology and Metabolism , Volume
Issue ۱ , Page , ۱۴۶۲-۵۳-۲۰۱۲
- ۳) The effectiveness of reality therapy approach on increasing hope in
patients with colorectal breast cancer. Phase ۲ Iranian Breast Diseases
Quarterly, Year ۶, Issue, Summer ۲۰۱۳
- ۴) Psychometric evaluation of the Persian version of Posttraumatic Growth
in Cancer Patients ۲۰۱۵
- ۵) Study of the dimensions of growth after cancer trauma in cancer survivors
Comprehensive Nursing and Midwifery , Volume ۲۵, Issue ۷۶, Summer ۲۰۱۵

Scientific articles that he has published in English—language scientific journals:

۱) **Title: A multicentre cross-sectional study of arm lymphedema four or more years after breast cancer treatment in Iranian patients**

Journal , Breast cancer VOL,NO; ۱۷, ۴: ۲۸۱-۲۸۵

۲) **Title:**

Journal , Pajoohandeh Journal VOL,NO; ۱۵, ۴

۳) **Title: "Survival of colorectal cancer in Iran**

Journal, Asian Pac J Cancer Prev VOL,NO;

۴) **Title; Overall Survival and Related Prognostic Factors in Metastatic Brain Tumors Treated with Whole Brain Radiation Therapy**

Journal , Research Journal of Medical Sciences VOL,NO; ۴, ۳ (۲۰۱۰): ۲۱۳-۲۱۶

۵) **Title; Comparing the dosimetric characteristics of the electron beam from dedicated intraoperative and conventional radiotherapy accelerators**

Journal ,Journal of Applied Clinical Medical Physics VOL,NO,;

۶) **Title; Effectiveness and complications of ^{188}Re -HEDP in palliative treatment of diffuse skeletal metastases**

Journal , Iranian Journal of Nuclear Medicine VOL,NO; ۲۳, ۱ : ۴۴-۴۸

٧) Title; Dosimetric evaluation of Gafchromic EBT^٧ film for breast intraoperative electron radiotherapy verification

Journal , Physica Medica VOL,NO; ٣١, ١: ٣٧-٤٢

٨) Title: Comparing the impact of melatonin and captopril on early effects of radiation on the heart tissue by studying glutathione, malondialdehyde, and lactate dehydrogenase enzyme activity in rats.

Journal , Radiation Protection and Environment VOL,NO; ٣٨, ٣: ٩٢,

٩) Title; Role of resveratrol on the cytotoxic effects and DNA damages of iododeoxyuridine and megavoltage radiation in spheroid culture of U^{٨٧}MG glioblastoma cell line

Journal , General physiology and biophysics, VOL,NO; ٣٤, ١

١٠) Title; The efficacy of Radachlorin-mediated photodynamic therapy in human hepatocellular carcinoma cells

Journal, Journal of Photochemistry and Photobiology B: Biology,
VOL,NO; ١٤٢: ٨٦-٩١

١١) Title; Frequency of Human Papillomavirus among Women with High-Grade Squamous Intraepithelial Lesions and Invasive Cervical Cancer Attending Shahid Beheshti University of Medical Sciences Clinics, Tehran, Iran

Journal , Iranian Journal of Public Health , VOL,NO;

١٢) Title; Posttraumatic growth and its dimensions in patients with cancer

Journal , Middle East Journal of Cancer VOL,NO; ٥, ١ : ٢٣-٢٩

۱۳) Title; Effectiveness of Sexual and Communicative Skills on Sexual Function in Breast Cancer

Journal , Procedia-Social and Behavioral Sciences VOL,NO ۱۰۹ (۲۰۱۴): ۲۷۸-۲۸۲

۱۴) Title; Effectiveness and complications of ^{۱۵۳}Sm -EDTMP in palliative treatment of diffuse skeletal metastase

Journal , Iranian Journal of Nuclear Medicine VOL,NO: ۲۳,۱ (۲۰۱۴): ۴۴-۴۸

Journal , Iranian Journal of Nuclear Medicine, VOL,NO; ۲۳,۱ (۲۰۱۴): ۴۴-۴۸

۱۶) Title; Dietary patterns and breast cancer risk among women

Journal , Public health nutrition VOL,NO; ۱۷,۰۵ : ۱۰۹۸-۱۱۰۶.

۱۷) Title; Dose-dense epirubicin and cyclophosphamide followed by docetaxel as adjuvant chemotherapy in node-positive breast cancer

Journal , International journal of breast cancer

۱۸) Title; Risk factors of lymph edema in breast cancer patients

Journal , International journal of breast cancer VOL,NO:

۱۹) Title; Effectiveness and complications of ^{۱۵۳}Sm -EDTMP in palliative treatment of diffuse skeletal metastases

Journal , Iranian Journal of Nuclear Medicine VOL,NO;

۲۰) Title; Effects of education based on the health belief model on screening behavior in high risk women for breast cancer, Tehran, Iran

Journal , Asian Pac J Cancer Prev VOL,NO;

۲۱) Title; Changes in Thyroid Functional Tests in Breast Cancer Patients under Tamoxifen Therapy

Journal ,. Iranian Journal of Cancer Prevention , VOL,NO; ۱,۳

۲۲) Title; Stage I seminoma recurrences in patients admitted to radiotherapy clinic of Shohada hospital between ۱۹۹۱ and ۲۰۰۲

Journal, Iranian Journal of Cancer Prevention , VOL,NO;

۲۳) Title; Burden of the central nervous system malignancies in Iran

Journal, Iranian Journal of Cancer Prevention , VOL,NO;

Books in which he has co–authored:

- ၁) National Health Guide, Book One
- ၂) National Health Guide, Book Two
- ၃) National Clinical Guidelines for Kidney Cancer
- ၄) National Clinical Guidelines for Bladder Cancer
- ၅) National Clinical Guidelines for Testicular Cancer
- ၆) National Prostate Cancer Clinical Guidelines

Research projects and studies that he has conducted:

- ١) Relationship Her- γ and longevity in breast cancer
- ٢) Microscopic examination of changes in epithelial cells of normal oral mucosa
- ٣) The relationship between ER and PR in esophageal cancer
- ٤) Investigating the effectiveness of cognitive behavioral therapy for stress management on the quality of life and mental health of patients with cancer
- ٥) Evaluation of the toxicity of weekly administration of Paclitaxel in patients with breast cancer with lymph node involvement
- ٦) VEGFR growth factor receptor and associated factors in transitional bladder cancer
- ٧) Studying the effect of hypnosis on reducing chemotherapy-induced nausea and vomiting in breast cancer patients
- ٨) Methylation of MMP- γ gene expression in glioblastoma
- ٩) Radioactive stent design and evaluation of its effectiveness in treating metastatic and recurrent esophageal cancer
- ١٠) Designing a predictive model for chemotherapy-induced neutropenia
- ١١) Studying the effect of probiotic diet on reducing chemotherapy-induced neuropathic pain in a rat model

Books he has written:

- ۱) Physics of Khan ۲۰۱۴
- ۲) Exercise in breast cancer and limb lymphedema
- ۳) Malignant damage
- ۴) Malignant pleural and pericardial effusion
- ۵) Protocol of the Intraoperative Radiotherapy Society in the Islamic Republic of Iran