



Abstracts and Posters of

**The 8th
International Clinical
Oncology Congress**

The 18th Iranian Annual Clinical Oncology Congress



poster number	Title	Author	Field	Monitor	day	time
1	Comparison of received dose from three iodine radionuclides (I123, I125 and I131) in thyroid cell model using Gate Monte Carlo simulation	Sahar Ahmadian	Medical Physicists	1	Jan-24	14.00-14.10
2	Deep-Learned Classification of Bone Lesions in Proximal Femur/Pelvis X-ray Radiographs	Elaheh Tarighati	Medical Physicists	2	Jan-24	14.00-14.10
3	Comparison of dosimetry of left and right parotid for the treatment of nasopharyngeal cancer using two methods of helical tomotherapy and Three Dimensional Conformal Radiation Therapy	Zahra Pourparvar	Medical Physicists	3	Jan-24	14.00-14.10
4	Iron oxide nanoparticles coated with polydopamine as a potential nanophotothermal agent for treatment of melanoma cancer	Fahimeh Hossein Beigi	Medical Physicists	4	Jan-24	14.00-14.10
5	Investigating the Effects of Radiation Dose on Brain Tumor Treatment Efficacy using Monte Carlo Modeling	Mohsen Mehrabi	Medical Physicists	5	Jan-24	14.00-14.10
6	Investigating the Effects of Radiation Dose on Brain Tumor Treatment Efficacy using Monte Carlo Modeling	Mohsen Mehrabi	Medical Physicists	1	Jan-24	14.10-14.20
7	Enhancement of ¹⁶¹ Tb radionuclide production by irradiation of Nano Gd target	Nafise Salek	Medical Physicists	2	Jan-24	14.10-14.20
8	Preparation and quality control of [^{113m} In]-In-PSMA: A novel SPECT agent for prostate cancer imaging	Leyla Akbari	Medical Physicists	3	Jan-24	14.10-14.20
9	How applicator diameter can influence the radiobiological characteristics of low-energy IORT X-rays?	Hamid Reza Baghani	Medical Physicists	4	Jan-24	14.10-14.20
10	Preparation of ⁸⁹ Zr-DFO-Cetuximab for imaging of EGFR-expressing tumors	Samaneh Zolghadri	Medical Physicists	5	Jan-24	14.10-14.20
11	Development of ⁸⁹ Zr-DFO-Bevacizumab for PET imaging of VEGF+ tumors	Fatemeh Mohammadpour-Ghazi	Medical Physicists	1	Jan-24	14.20-14.30
12	Design and development of ¹⁶⁶ Dy/ ¹⁶⁶ Ho generator to produce carrier-free ¹⁶⁶ Ho for use in nuclear medicine	Sara Vosoughi	Medical Physicists	2	Jan-24	14.20-14.30
13	Enhancing Cancer Therapy Through Nanomaterial-Based Radiosensitizers in Combined Photothermal and Radiotherapy	Arash Safari	Medical Physicists	3	Jan-24	14.20-14.30
14	A Survey on Quality of life Indicators During the Last Months of Terminally ill Cancer Patients in Iran; A Cross-Sectional Study in a Home-based Palliative Care Center	Kosar Hosseini	Medical Physicists	4	Jan-24	14.20-14.30

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15	Preparation of MnO ₂ @poly-(DMAEMA-co-IA)-conjugated methotrexate nano-complex for MRI and radiotherapy of breast cancer application	Saba Ziyae	Medical Physicists	5	Jan-24	14.20-14.30
16	Exploring the Beam Modeling Algorithm in Patient-Specific IMRT Quality Assurance	Hadi keivan	Medical Physicists	1	Jan-25	10.20-10.30 AM
17	Changes in radiation dose distribution by a medical mask used during COVID-19 pandemic	Azan Janati Esfahani	Medical Physicists	2	Jan-25	10.20-10.30 AM
18	Advancements in Breast Cancer Risk Prediction Using Artificial Intelligence: A Systematic Review	Mostafa Jafari	Medical Physicists	3	Jan-25	10.20-10.30 AM
19	Stereotactic radiosurgery in brain metastasis; single or combined therapy?	Nima Rostampour	Medical Physicists	4	Jan-25	10.20-10.30 AM
20	Enhancing Precision Oncology for Advanced Uterine Cancer through Genomic Profiling and Biomarker-Directed Treatments	Mohamamdreza Elhaie	Medical Physicists	5	Jan-25	10.20-10.30 AM
21	Sensitivity Analysis of Field Width on quality and treatment time for brain hypo-fractional treatment	Farzaneh Hajalikhani	Medical Physicists	1	Jan-25	10.30-10.40 AM
22	Introducing a simple and cost effective phantom for fast and simple stereotactic radiosurgery end to end testing	Hadi Hasanzadeh	Medical Physicists	2	Jan-25	10.30-10.40 AM
23	The role of TiO ₂ nanoparticles in the individual dosimetry of Yttrium-90 Transarterial Radioembolization using Cherenkov Luminescence Imaging.	Asra Sadat Talebi	Medical Physicists	3	Jan-25	10.30-10.40 AM
24	Dosimetric effect of isocenter displacement simulation on 3D and IMRT plans in brain tumor patients	Sedigheh Taghizadeh	Medical Physicists	4	Jan-25	10.30-10.40 AM
25	Survival Rate Prediction in Glioblastoma Patients Using Radiomics Extracted from Post-Contrast Magnetic Resonance Images: Comparison of Multiple Machine Learning Models	Amirreza Sadeghi Nasab	Medical Physicists	5	Jan-25	10.30-10.40 AM
26	Novel Chemo-Photothermal Therapy in Breast Cancer	Hossein Rafta	Medical Physicists	1	Jan-25	10.40-10.50 AM
27	Sono-sensitivity and radio-sensitivity of methylene blue with apigenin-coated gold nanoparticles on MCF7 cells	Zeinab Hormozi	Medical Physicists	2	Jan-25	10.40-10.50 AM

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28	Evaluation of Monaco Treatment Planning System by Use of American Association of Physicists in Medicine Task Group-119 Test Cases	Vida Rezaei	Medical Physicists	3	Jan-25	10.40-10.50 AM
29	Ionometric scaling factors measurement inside a new water-equivalent plastic phantom for electron dosimetry purposes	Hamid Reza Baghani	Medical Physicists	4	Jan-25	10.40-10.50 AM
30	An Innovative Approach to Individual Dosimetry in Yttrium-90 Transarterial Radioembolization Utilizing Cherenkov Luminescence Imaging	Asra Sadat Talebi	Medical Physicists	5	Jan-25	10.40-10.50 AM
31	Zap-X: Advances in next-generation radiosurgery for brain tumors and benign brain conditions	Amirreza Lotfi Koshki	Medical Physicists	1	Jan-25	14.00-14.10
32	Evaluation of resveratrol-loaded polymeric based nanocapsule mitigation effect on radiation-induced hematopoietic system and intestine injury after whole body exposure to X-ray radiation in mice	Mohammad Mohammadi	Medical Physicists	2	Jan-25	14.00-14.10
33	Sensitivity Analysis of Field Width on quality and treatment time for brain hypo-fractional treatment	Farzaneh Hajalikhani	Medical Physicists	3	Jan-25	14.00-14.10
34	Individual dosimetry in radionuclide therapy with actinium-225, thorium-227, and radium-223 by the utilization of Cherenkov radiations	Asra Sadat Talebi	Medical Physicists	4	Jan-25	14.00-14.10
35	The knowledge-based organ at risk dose estimation in 3D conformal radiation therapy of breast cancer	Mostafa Robotjazi	Medical Physicists	5	Jan-25	14.00-14.10
36	Family Caregiver Experiences of Terminal Cancer Caregiving Trajectory: A Qualitative Study in Palliative Care Setting	Masoud Rezaei	Nurse	1	Jan-25	14.10-14.20
37	Effect of group therapy on anxiety, depression and stress of women with breast cancer; a systematic review	Mobina Imandust	Nurse	2	Jan-25	14.10-14.20
38	Personalized Cancer Care Journey, at Home	Fatemeh Kheiry	Nurse	3	Jan-25	14.10-14.20
39	How can we communication at terminal stage of cancer to patient?	Elham Mirshah	Nurse	4	Jan-25	14.10-14.20
40	The Effect of Spiritual Care on Posttraumatic Growth in Mothers of Children with Cancer: A mixed method study	Sherafat Akaberian	Nurse	5	Jan-25	14.10-14.20
41	Motor Exercises Effect on Improving Shoulders Functioning, Functional Ability, Quality of Life, Depression and Anxiety For Women With Breast Cancer	Vida Shafipour	Nurse	1	Jan-25	14.20-14.30

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42	Effect of remote training and support on sleep quality and insomnia severity of cancer patients undergoing chemotherapy	Elahe Sarlak	Nurse	2	Jan-25	14.20-14.30
43	The Impact of Acupressure on P6 and K-K9 Points on Nausea and Vomiting in Chemotherapy Patients: A Review Study	Zahra Arbabi	Nurse	3	Jan-25	14.20-14.30
44	A review of patients' and treatment team's viewpoints about home chemotherapy	Sanaz Abdolrezapour	Nurse	4	Jan-25	14.20-14.30
45	Assessing the compliance of educational curricula of selected disciplines with the content standards of cancer-related palliative care	Zahra Ebadinejad	Nurse	5	Jan-25	14.20-14.30
46	The Relationship between Uncertainty in Illness and Social Support among Elderly with Prostate Cancer	Ahmad Mahdizadeh	Nurse	1	Jan-26	10.20-10.30 AM
47	Health-Promoting Lifestyle among the Survivors of Colorectal Cancer: An Integrative Review	Elahe Ramezanzade Tabriz	Nurse	2	Jan-26	10.20-10.30 AM
48	Evaluating the psychometric properties of the Persian version of the Healthy Lifestyle Instrument for Breast Cancer Survivors (HLI-BCS)	Elahe Ramezanzade Tabriz	Nurse	3	Jan-26	10.20-10.30 AM
49	Sexual Experience of Iranian Women with Cancer: A Qualitative Content Analysis	Seyedeh Esmat Hosseini	Nurse	4	Jan-26	10.20-10.30 AM
50	Exploration of the Strategies of Iranian Nurses in Providing Palliative Care to Children with Cancer: A Qualitative Study	zahra ebadinejad	Nurse	5	Jan-26	10.20-10.30 AM
51	Challenges and educational needs of Clinical oncology and surgical oncology Residents in tumor board meetings, a qualitative study	Parnian Boroonsara	Oncology	1	Jan-24	10.20-10.30 AM
52	Prevalence of Depression and Related Factors in Patients with Colorectal Cancer in Mashhad, Iran, 2022-2023	Parnian Boroonsara	Oncology	2	Jan-24	10.20-10.30 AM
53	A Phase III Randomized Clinical Trial Study of Chemoradiation using Lovastatin/Cisplatin in Patients with Head and Neck Squamous Cell Carcinoma	Sasan Razmjoo	Oncology	3	Jan-24	10.20-10.30 AM
54	Therapeutic and prophylactic effects of radiation therapy in the management of recurrent granulation tissue induced tracheal stenosis: a review on the role of Endobronchial brachytherapy and external beam radiation therapy	Sasan Razmjoo	Oncology	4	Jan-24	10.20-10.30 AM

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55	Risk of relapse and death from colorectal cancer and its related factors using non-Markovian Multi-State model	Saeedeh Hajebi Khaniki	Oncology	5	Jan-24	10.20-10.30 AM
56	Uncovering the Intangible Heterogeneity of Gene Effects in the Survival Time of Cancer Patients	Saeedeh Hajebi Khaniki	Oncology	1	Jan-24	10.30-10.40 AM
57	18F-DCFPyL (PSMA) PET as a radiotherapy response assessment tool in metastatic prostate cancer	Mohammad Gouran-savadkoohi	Oncology	2	Jan-24	10.30-10.40 AM
58	Prostate Cancer Diagnosis with Transrectal Ultrasound-guided Biopsy: Results of Screening in Patients Supported by Relief Foundation in Guilan Province	Fateme Sheida	Oncology	3	Jan-24	10.30-10.40 AM
59	Prostate-Specific Membrane Antigen (PSMA) Expression Predicts Need for Early Treatment in Prostate Cancer Patients Managed with Active Surveillance	Mohammad Gouran-savadkoohi	Oncology	4	Jan-24	10.30-10.40 AM
60	Description of disease progression in pathologic complete response patients following rectal cancer surgery: A long-term study	Fatemeh Shahabi	Oncology	5	Jan-24	10.30-10.40 AM
61	Evaluation of Perceived Barriers and Benefits of breast cancer screening in women participated in the PERSIAN Guilan Cohort Study (PGCS)	Fateme Sheida	Oncology	1	Jan-24	10.40-10.50 AM
62	Cardiac safety of Trastuzumab in breast cancer patients with left ventricular dysfunction	Mina Mohseni	Oncology	2	Jan-24	10.40-10.50 AM
65	Current Insights into FLASH Radiotherapy Progress	Saeed Dabirifar	Radiobiology	1	Jan-26	10.30-10.40 AM
66	The effect of cobalt chloride (CoCl ₂)-induced hypoxia on radioresistance and hypoxia-related genes pattern in human glioblastoma cell line	Elham Khakshour	Radiobiology	2	Jan-26	10.30-10.40 AM
67	Prediction of attention decline toxicity after radiotherapy for brain metastasis patients in Velayat Zahedan Radiotherapy Center	Fatemeh Hashemzaei	Radiobiology	3	Jan-26	10.30-10.40 AM
68	The Role of Cu-Cy NPs, Cisplatin, and Radiation in Promoting Apoptosis and Preventing Migration in Cervical Cancer Cells	Mahsa Ejtema	Radiobiology	4	Jan-26	10.30-10.40 AM

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69	Cytotoxic and cytostatic study of the effects of antioxidants on lymphocytes of luminal A and luminal B breast cancer patients irradiated in vitro	Hossein Mozdarani	Radiobiology	5	Jan-26	10.30-10.40 AM
70	Patient radiation biological risk in dual-energy computed tomography procedure	Arash Safari	Radiobiology	1	Jan-26	10.40-10.50 AM
71	Magnetic Nanoparticles in hyperthermia	Fatemeh Moradi	Radiobiology	2	Jan-26	10.40-10.50 AM
72	Advancing Cancer Therapy: The Role of Diet-Derived Compounds in Radiotherapy	Saeed Dabirifar	Radiobiology	3	Jan-26	10.40-10.50 AM
73	Comparative between two nanoparticles, Biosynthesizing Selenium Nanoparticles by Gum Arabic and Poly Anionic Cellulose against radiation on Chinese Hamster Ovary (CHO) Cells	Mojgan Hasanzade	Radiobiology	4	Jan-26	10.40-10.50 AM
74	Altering Tumor Microenvironment of Colon Cancer by Intra-Tumor Injection of Serum Originating from EAE Animals; an In-vivo Study	Erfan Basirat	Radiobiology	5	Jan-26	10.40-10.50 AM
75	The effects of medical linear accelerator X-rays on human peripheral blood lymphocytes in the presence of glucosamine	Saeed Rezapoor	Radiobiology	1	Jan-24	14.30-14.40
76	Analysis and effectiveness of music therapy on stress, anxiety, and depression in cancer patients at Vasei Hospital in 1401	Saba Ordibeheshti	Radiobiology	2	Jan-24	14.30-14.40
77	A Randomized, Controlled, Parallel-Group, Trial on the Long-term Effects of Melatonin on Fatigue Associated With Breast Cancer and Its Adjuvant Treatments	Fateme Sheida	Oncology	3	Jan-24	14.30-14.40
78	Recent insight into the adaptive response effect induced by the stimulation of DNA double-strand break repair	Sonia Farhadi	Radiobiology	3	Jan-24	10.40-10.50 AM
79	Exploring the Impact of Delayed Postoperative Radiotherapy on Relapse and Metastasis in Female Breast Cancer Patients: Insights from Penalized Cox Regression	Saeedeh Hajebi Khaniki	Radiobiology	4	Jan-24	10.40-10.50 AM
80	Evaluating the relationship between erectile dysfunction and dose received by the penile bulb during definitive radiotherapy of low-risk prostate cancer; A prospective cross-sectional study	Masoumeh Nouri	Oncology	1	Jan-24	14.40-14.50