

## RADIOTHERAPY

| S. No.                             | Topic   |
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| <b>Observational (Descriptive)</b> |   |
| 1.                                 | Health related Quality of life in patients of anal cancer treated with chemo radiation.   |
| 2.                                 | Audit of clinical outcomes and toxicity in patients of Head & Neck cancer treated with definitive chemo-radiation.  |
| 3.                                 | Prevalence of Human Papilloma Virus in head & neck cancers.   |
| 4.                                 | Survival outcomes in young patients with breast cancer.   |
| 5.                                 | Audit of clinical outcomes and toxicity in patients of breast cancer treated with hypofractionation.  |
| 6.                                 | Exploring role of magnetic resonance imaging in accurate delineation of targets in brain tumors.  |
| 7.                                 | Clinical outcomes after radiotherapy in breast cancer patients.   |
| 8.                                 | Inclusion of patients with pancreatic cancers who may benefit from radiotherapy.  |
| 9.                                 | Pathological complete response rates and compliance to treatment in patients of rectal cancers treated with short course radiotherapy with delayed surgery. |
| 10.                                | Taste sparing radiotherapy in head and neck cancer.   |
| 11.                                | Comparison of Radiotherapy techniques in sellar and suprasellar tumors.   |
| 12.                                | Outcome analysis of adjuvant radiotherapy in glioblastoma.  |
| 13.                                | Brachytherapy for early buccal mucosa cancers.  |
| 14.                                | Cost effectiveness study on adjuvant radiotherapy in breast cancer: comparison of various techniques.   |
| 15.                                | Quality of life studies: Quality of life in breast cancer post adjuvant radiotherapy.   |
| 16.                                | Bone marrow sparing radiotherapy in pelvic tumors.  |
| 17.                                | Long-term clinical outcomes and toxicity of carcinoma esophagus treated with definitive chemoradiation.   |

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| 18. | Outcomes of Image based brachytherapy treated with Computerized Tomography (CT), Magnetic Resonance Imaging (MRI) or Ultrasound Guided (USG) based on different environments as per Indian Brachytherapy Society (IBS) guidelines. |
| 19. | Quality of life and toxicity outcomes of patients with pelvic malignancies treated with radiotherapy.  |
| 20. | Outcomes of Non-Small Cell Lung Cancer (NSCLC) treated with Stereotactic Ablative Radiotherapy/Stereotactic Body Radiation Therapy (SABR/SBRT).  |
| 21. | Outcome of interstitial brachytherapy in soft tissue sarcoma.  |
| 22. | Frequency and predictors of radiation pneumonitis in breast cancer patients after receiving radiotherapy.  |
| 23. | Inclusion of patients with pancreatic cancers who may benefit from radiotherapy.   |
| 24. | Health related quality of life in patients with non-small cell cancer.   |
| 25. | Quality of life after metastatic brain tumours after radiation.  |
| 26. | Prevalence of retropharyngeal and retro stilar lymph node metastatic in pharyngeal carcinoma.  |
| 27. | Magnetic Resonance Imaging (MRI) in accurate delineation of targets in brain prostate tumors for radiotherapy.   |
| 28. | MRI in accurate delineation of targets in nasopharyngeal tumours for radiotherapy.   |
| 29. | Quality of life after radiation therapy in breast cancer among young women.  |
| 30. | Quality of life after radiation therapy in brain cancer among older adults.  |
| 31. | A qualitative study of health challenges faced by patients after receiving radiotherapy for oral cancer.   |
| 32. | Long term adverse effects of radiotherapy for head & neck cancers.   |

| <b>Observational ( Analytical)</b> |  |
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| 33.                                | Correlation of radiation dose to motor and sensory areas using functional Magnetic Resonance Imaging in Glioma patients.   |
| 34.                                | A prospective study to evaluate the response and quality of life with palliative quad shot radiotherapy in locally advanced inoperable head neck cancer.   |
| 35.                                | A prospective comparative study of the dose distribution and acute toxicity of three-dimensional conformal radiation therapy (3D-CRT) with Intensity Modulated Radiation Therapy (IMRT) for post mastectomy hypo fractionated. |
| 36.                                | Cost effectiveness study hypofractionated radiotherapy compared to standard fractionation in breast cancer.  |
| 37.                                | A prospective observational study on clinical outcomes of high dose brachytherapy in locally advanced cervix cancers undergoing chemotherapy based planning.   |
| 38.                                | Longitudinal swallowing function status in pharyngeal cancers treated by definitive radiotherapy.  |
| 39.                                | Comparison of sexual and erectile function in Indian male cancer patients receiving pelvic and non-pelvic radiotherapy in adjuvant or radical setting.   |
| 40.                                | A comparative prospective study by use of indigenous template, immobilisation, 3 D printing Bolus, Mouth bite, Planning or positioning Technique) in comparison with standard commercial available things.                     |
| 41.                                | Metastasis alone Radio therapy Versus whole brain radiotherapy in 4 to 10 cerebral metastases.   |
| 42.                                | Prospective study of safety and effectiveness of contralateral submandibular glands radiation therapy for oral cancers.  |
| <b>Experimental</b>                |  |
| 43.                                | Intensity-modulated radiotherapy of head & neck cancer aiming to reduce dysphagia: early dose-effect relationships of the swallowing structures.   |

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| 44.                    | Prospective study to assess the effectiveness of total neoadjuvant chemotherapy with short course radiotherapy in the management of locally advanced rectal cancers.                     |
| 45.                    | Phase III randomized controlled trial of concurrent docetaxel Versus concurrent cetuximab/placebo for locally advanced head & neck carcinoma deemed unsuitable for concurrent cisplatin. |
| 46.                    | Phase III randomized controlled trial of dysphagia optimized versus standard intensity modulated radiotherapy for locally advanced head and neck cancers and impact on quality of life.  |
| 47.                    | Definitive chemoradiotherapy in patients of middle thoracic squamous cell carcinoma of oesophagus/compare it with neo-adjuvant chemoradiotherapy followed by surgery.                    |
| 48.                    | Safety and effectiveness of contralateral submandibular gland sparing radiotherapy for oral cancers.   |
| 49.                    | Hypo fractionated radiotherapy with concurrent and adjuvant temozolomide in Glioblastoma Multiforme.   |
| 50.                    | Effectiveness of brachytherapy for early small primary oral tumours.   |
| <b>Systemic Review</b> |  |
| 51.                    | A systematic review of radiation protection measures in radiotherapy for radiation oncologists.  |