A comparative evaluation of two head and neck immobilization devices using verification film for head and neck cancer patients receiving radiation therapy at Ocean Road Cancer Institute (ORCI) aero-digestive tract

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Background: Accurate and reproducible patient positioning is fundamental to the success of fractionated radiotherapy. To achieve accurate daily treatment delivery, various immobilization devices are used in radiotherapy departments. At ORCI the mostly used immobilization devices for radiotherapy treatment of head and neck cancer patients are thermoplastic mask and LS- ...

The Need to Deepen the Abscopal Effect and Synergy among Radiotherapy and Immunotherapy

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Emerging data that radiotherapy can potentially convert the patient’s own tumor into an in situ vaccine have raised significant interest for testing radiation in combination with immunotherapy. Moreover, the immune responses to localized irradiation may be the mediator of systemic effects (called the abscopal effect). ...
Brief palliative radiotherapy course for advanced and incurable head and neck cancer

Purpose: Palliative radiotherapy schedule for inoperable Squamous cell carcinoma of head and neck (SCCHN) will evaluated in terms of palliation of cancer-related symptoms and acute toxicities. Materials and Methods: This study included fifty patients with inoperable SCCHN. All patients received 30 Gy / 10 fractions / 5 fractions per week. Treatment-related toxicity w ...

Breast conserving surgery and intra-operative specimen radiography: Margin assessment by the surgeon or the radiologist?

Aim: This study looks to determine accuracy and congruence ...
Objective: This study aimed to perform the quantitative measurement based on the standardized uptake value (SUV) of Tc-99m methylene diphosphonate (MDP) in normal pelvis using a single-photon emission tomography (SPECT)/computed tomography (CT) scanner. ...

Case Report

Hyperprogression after immunotherapy in HNC: literature review and our experience

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Checkpoint inhibitors demonstrate salutary anticancer effects, including long-term remissions. PD-L1 expression/amplification, high mutational burden, and mismatch repair deficiency correlate with response. Champiat et al for the first time described a small subset of patients that could actually have tumor growth accelerated when given PD1/PDL1-targeting agents. ...