Research Article

**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**

Published On: August 23, 2018 | Pages: 021 - 026

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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**

Published On: August 22, 2018 | Pages: 019 - 020

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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**

Published On: July 16, 2018 | Pages: 014 - 018

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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 ...
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. ...