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 ...

Abstract View | Full Article View | DOI: 10.17352/ijrro.000029

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

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In the United Kingdom since the late 1990s there has been both a shortage of and falling level in recruitment of breast radiologists/radiographers. Specimen radiography is a widely used intra-operative adjunct to aid margin assessment in patients undergoing wide local excision for early stage breast cancer. Aim: This study looks to determine accuracy and congruence ...

Abstract View | Full Article View | DOI: 10.17352/ijrro.000028

A retrospective study of SPECT/CT scans using SUV measurement of the normal pelvis with Tc-99m methylene diphosphonate

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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. ...