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Research Article

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

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Author(s): Ruifeng Wang, Cong Shen, Dong Han, Zhaoguo Zhang, Yuhong Zeng, Hulin Wu, Xiaotong Xu, Tao Qin, Nan Yu, Yongjun Jia, Pengtian Zhang, Taiping He, Guo youmin and Yan Feng*

Objective: The aim of this study was to acquire the SUVs for each segment of the vertebral body to explore the rationale for the large variability of the SUVs in normal vertebrae. Methods: This retrospective study was performed using the images and data from 39 cancer patients who underwent bone SPECT/CT scans with Tc-99m MDP. The SUVmax and SUVmean of the anterior, ...

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Behavioral impairments and biochemical alterations in brain following exposure to WiFi radiation and aluminum in rats

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Today, WiFi radiofrequencies exposure is becoming almost unavoidable. Besides, aluminum is widely used in daily life despite its involvement in neurodegenerative diseases onset. In this study, we investigated the effects of a 14 day exposure to WiFi radiation for 2 hours a day and aluminum chloride (AlCl₃) at 200mg/Kg/day alone and associated on behavior, oxidative ...

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Review Article

Internal mammary node positivity and autologous mastectomy reconstruction: Implications for breast cancer treatment and aesthetic outcome

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Author(s): Brian P Dickinson*, Nikkie Vu-Huynh BS, Monica B Vu BS, Gregory Senofsky, Judy Pham RN, Ayushi Patel BS, Dennis R Holmes, Kelsey Shay, Rena Callahan and Peter Ashjian

Objective: To discuss how the results of internal mammary lymph node biopsy at the time of autologous flap reconstruction in both the immediate and delayed setting may impact breast cancer treatment and the aesthetic outcome of autologous mastectomy reconstruction. Background: The internal mammary vessels are primary recipient vessels for autologous breast reconstruc ...

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Effect of intraoperative radiotherapy for patients with low-risk early-stage breast cancer

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Author(s): Diego Carreño*, Camila Quirland, Pedro Ferrer, Luz María González and Badir Chahuán

Introduction: External Beam Radiation Therapy (EBRT), a type of whole breast radiation therapy, has been widely used in patients with early-stage breast cancer, however it is associated with longer treatment periods and higher toxicity. Intraoperative Radiotherapy (IORT) has emerged as an alternative, reducing treatment times, however, there is uncertainty about its e ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/ijrro.000043