

Browser window showing the URL: <http://www.atmph.org/printarticle.asp?year=2017&volume=10&issue=3&page=726&page=730&author=Emelele&emeterstype=0>

Search bar: Search...

Navigation icons: Back, Forward, Home, Stop, Refresh, Print, Share, More

Google search bar: Search, Share, More

Taskbar: Amazon.co.uk - Online S..., Priceline.com, TripAdvisor



CASE REPORT

Year : 2017 | Volume : 10 | Issue : 3 | Page : 726-730

The challenges of antenna modification in medical practice: The MRI machine

ME Emelere¹, ES Sanni²

¹Department of Physics, Covenant University, Ota, Nigeria

²Department of Chemical Engineering, Covenant University, Ota, Nigeria, Nigeria

Correspondence Address:

M E Emelere
Physics Department, Covenant University, P.M.B. 1023, Ota-Ogun State
Nigeria

The challenges of modifying the antenna of imaging systems, e.g. MRI, are enormous. The electromagnetic principles for the non-ionizing radiation technique to view internal structures in the human body depend on many factors such as the ratings of the magnetic field, computer, digitizer, RF source, and electrical field. An incorporation of the Bloch NMR flow equation alongside the electromagnetic principles is quite complex. However, the modality was successfully developed to predict the radiofrequency appropriate for the successful imaging session. It was observed that the patient is currently under severe danger of excess exposure to electromagnetic fields.

How to cite this article:

Emelere M E, Sanni E S. The challenges of antenna modification in medical practice: The MRI machine. *Ann Trop Med Public Health* 2017; 10:726-730

How to cite this URL:

Emelere M E, Sanni E S. The challenges of antenna modification in medical practice: The MRI machine. *Ann Trop Med Public Health [serial online]* 2017 [cited 2017 Nov 10];10:726-730

Windows taskbar showing icons for Windows, Edge, File Explorer, Task View, Amazon, Firefox, Chrome, VLC, Word, and system tray with date/time: ENG 17:48, UK 10/11/2017