

Role of magnetic resonance imaging in evaluation of adnexal masses: A cross sectional study at tertiary care hospital

Santosh K Dasar¹, Rajeev B Dibbad^{2*}, Vinayak Tonne³

^{1,2}Associate Professor, ³Assistant Professor, Department of Radiodiagnosis, SDM College of Medical Sciences and Hospital, Sattur, Dharwad-580009. Karnataka, India.

Email: drsantoshdasar@gmail.com, drrajeevdibbad@gmail.com, vinayak146@gmail.com

Abstract

Background: Magnetic resonance imaging helps in characterization of adnexal masses that are not completely evaluated by ultrasound as it can provide additional information on soft tissue composition of adnexal masses based on specific tissue relaxation times. **Aim:** To study the role of magnetic resonance imaging in evaluation of adnexal masses. **Material and Methods:** A total of 40 patients were studied, Magnetic resonance imaging of pelvis was performed with GE Signa 1.5 Tesla MRI machine. A pelvic phased array coil was used in most cases, in cases where lesions were large; a body coil was used for better coverage. Intravenous contrast was given as and when necessary. **Results:** MRI accurately diagnosed 5 indeterminate cases which correlated with histopathology report. **Conclusion:** MRI is helpful in detecting malignant potential of particular lesion and thus plays a role in oncological staging which to a great extent helps in treatment planning and management.

Keywords: Adnexal masses, magnetic resonance imaging, sensitivity, specificity, accuracy

*Address for Correspondence:

Dr Rajeev B Dibbad, Associate Professor, Department of Radiodiagnosis, SDM College of Medical Sciences and Hospital, Sattur, Dharwad-580009. Karnataka, India.

Email: drrajeevdibbad@gmail.com

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