OMICS Group Conferences
Accelerating Scientific Discovery

International Conference on
Radiology & Imaging
August 14-16, 2013 Holiday Inn Chicago-North Shore, IL, USA

Normal pituitary gland height in Nigerians on magnetic resonance imaging

Irurhe N. K
University of Lagos, Nigeria

Background: Pituitary gland also known as the "Master gland" is an important endocrine organ in the human body, as it helps in controlling the secretion of hormones from a number of other glands and organs in the body.

Objectives: To establish the normal height of the pituitary gland in Nigerians and provide reference values. To determine the relationship between the mean Pituitary height, Age and Sex.

Materials and Method: A total of 220 subjects with normal pituitary gland were evaluated by using Magnetic Resonance (MR) Imaging. Pituitary height (PH) was observed on mid sagittal section. Data collection was obtained from the patients' record collated and analyzed.

Results: The pituitary height increased gradually to reach its peak in the third decade of life in both male and females and decreased gradually thereafter. The height was significantly higher in females than males in every decade of life.

Conclusion: This study provided the reference values for the Pituitary height, which may contribute to establish credible reference values in Nigeria, Africa and globally.

Biography

Irurhe N. K obtained his MBBS degree in 1989 from University of Lagos, fellowship (F.M.C.R. Nigeria) in Radiology in 2006 and M.Sc Anatomy in 2009 from University of Lagos. Currently he is a senior lecturer in Radiology department in College of Medicine of the University of Lagos, Consultant Radiologist to Lagos University Teaching Hospital (LUTH) and in charge of breast imaging unit in the department.

nick3irurhe@yahoo.com