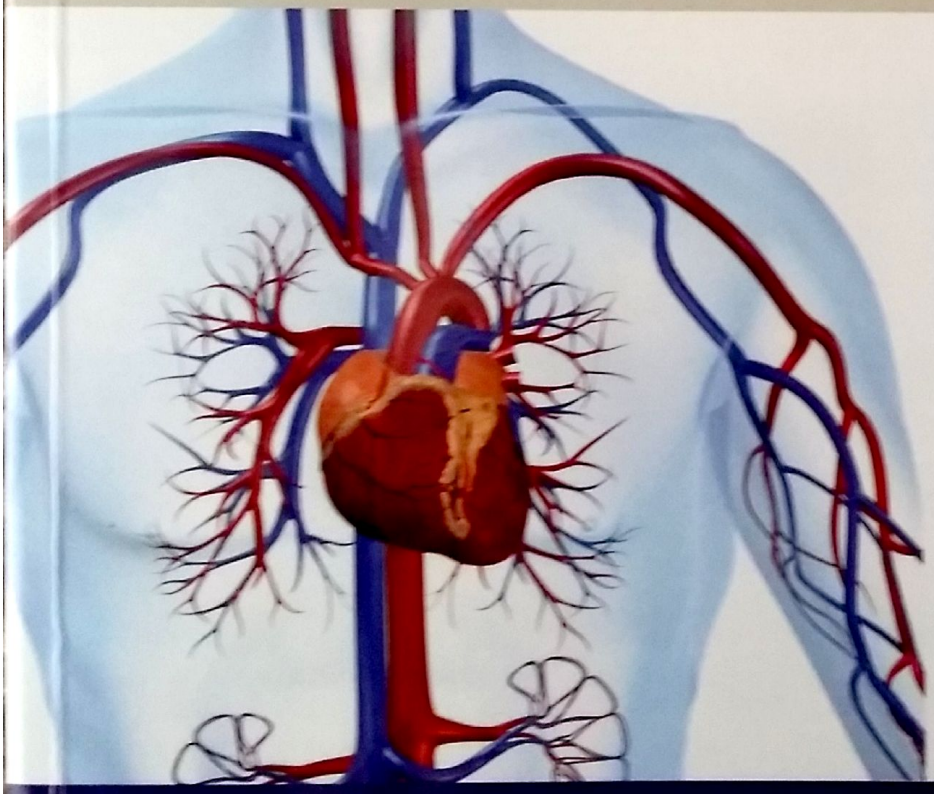
Cardiovascular Imaging

Malaysian Congress of Radiology (MCoR)

Incorporating

2014 Annual Scientific Meeting
KSR-MCoR Friendship Symposium



Date
3 - 5 April 2014

Venue
Putrajaya Marriott Hotel & Spa

ABSTRACT BOOK

COLLEGE OF RADIOLOGY
Academy of Medicine of Malaysia

대한영상의학회
The Korean Society of Radiology

KSCI
대한심장혈관영상의학회
KOREAN SOCIETY OF CARDIOVASCULAR IMAGING

PP37

BREAST DENSITY ESTIMATION ON FULL-FIELD-DIGITAL MAMMOGRAPHY (FFDM) BY GENERAL RADIOLOGISTS: COMPARISON OF BI-RADS AND TABAR CLASSIFICATION SYTEMS

Hassan R[1], Ab Rahman J[2], Zaini IZ[1], Mohammed Saeed Abdulateef R[1], Yahiya AZ[1]

[1]Department of Radiology and IIUM Breast Centre

[2]Department of Community Health, Kulliyyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang

PURPOSE OF STUDY

The aim of the study is to compare inter-observer agreement between general radiologists in classification of mammographic breast density using TABAR's pattern and BI-RADS classification systems on Full-Field Digital Mammography (FFDM).

MATERIALS AND METHOD

A 400 data set of mammograms in mediolateral and craniocaudal views was independently evaluated by three radiologists. Breast density was classified using BI-RADS and TABAR classification systems. The three radiologists interpreting the mammogram images were general radiologists with three, four and one years' experience respectively. There was no special coaching conducted prior to data interpretation.

RESULTS

Inter-observer agreement for the BI-RADS are slight to fair (reviewer 1 vs reviewer 2: k=0.19, reviewer 1 vs reviewer 3, k=0.07 and reviewer 2 vs reviewer 3, k=0.49) and for TABAR is fair to moderate (reviewer 1 vs reviewer 2: k=0.23, reviewer1 vs reviewer 3, k=0.31 and reviewer 2 vs reviewer 3, k=0.50).

CONCLUSION

Our study demonstrates that the assessment and classification of the breast density is difficult with slightly better performance using TABAR classification system compared to BI-RADS classification. If breast density is to be used as part of risk predictors of breast cancer, a consistent, quantitative and observer-independent method for characterizing mammographic breast density is needed in local clinical practice.

PP37 BREAST DENSITY ESTIMATION ON FULL-FIELD-DIGITAL MAMMOGRAPHY (FFDM) BY GENERAL RADIOLOGISTS: COMPARISON OF BI-RADS AND TABAR CLASSIFICATION SYTEMS

Hassan R[1], Ab Rahman J[2], Zaini IZ[1], Mohammed Saeed Abdulateef R[1], Yahiya AZ[1]

[1]Department of Radiology and IIUM Breast Centre, International Islamic University Malaysia, Kuantan, Pahang
[2]Department of Community Health, Kulliyyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang

PP38 THE ROLE OF THE RADIO-OPAQUE MARKER IN BREAST CANCER MANAGEMENT: THE UKMMC EXPERIENCE

Norlia Abdullah[1], Sharifah Majedah Idrus Alhabshi[2], Zulfiqar Mohd Annuar[2], Nik Md Aslan Abdullah[3]

[1]Dept. of Surgery, Universiti Kebangsaan Malaysia Medical Centre, Jalan Yaacob Latiff, Bandar Tun Razak, Cheras, 56000, Kuala Lumpur
[2]Dept. of Radiology, Universiti Kebangsaan Malaysia Medical Centre, Jalan Yaacob Latiff, Bandar Tun Razak, Cheras, 56000, Kuala Lumpur
[3]Dept. of Oncology & Radiotherapy, Universiti Kebangsaan Malaysia Medical Centre, Jalan Yaacob Latiff, Bandar Tun Razak, Cheras, 56000, Kuala Lumpur

PP39 A RARE TUMOUR OF THE BREAST: INVASIVE CARCINOMA WITH NEUROENDOCRINE DIFFERENTIATION DETECTED ON COMPUTED TOMOGRAPHY

A Karim NK[1,3], Abdul Aziz YF[1], Cheah PL[2]

[1]University of Malaya Research Imaging Centre, Department of Biomedical Imaging, Faculty of Medicine, University of Malaya, Kuala Lumpur
[2]Department of Pathology, Faculty of Medicine, University of Malaya, Kuala Lumpur
[3]Cluster of Regenerative Medicine, Advanced Medical and Dental Institute, University of Science Malaysia, Bertam, Pulau Pinang

PP40 DIABETIC MASTOPATHY IN TYPE II NON_INSULIN DEPENDENT DIABETES MELLITUS - AN UNCOMMON CASE

Masiyati J[1], Zahurin I[1], Lenny SS[2], Sellymiah A[3]

[1]Department of Diagnostic Imaging, Hospital Serdang
[2]Department of Surgery, Hospital Serdang
[3]Department of Pathology, Hospital Serdang

PP41 POTENTIAL OF 82RB PET-CT AS AN ANGIOGENESIS MARKER IN EVALUATING TUMOUR AGGRESSIVENESS

Fathinul Fikri AS, Abdul Jalil N

Centre for Diagnostic Nuclear Imaging, Universiti Putra Malaysia, UPM Serdang, 14300 Selangor

PP42 AN EXPLORATION IN DEVELOPING A SHEAR WAVE ELASTOGRAPHY PHANTOM FOR QUALITY CONTROL

Ting HE, Yeong CH, Ng KH, Abdullah BJJ

Department of Biomedical Imaging and University of Malaya Research Imaging Centre, Faculty of Medicine, University of Malaya, Kuala Lumpur

PP43 MRI FEATURES IN PLACENTAL INVASION DISORDER: OUR INSTITUTION EXPERIENCE

Noor Aida MD, Mah YH

Department of Radiology, Hospital Sungai Buloh

PP44 WITHDRAWN

PP45 WALKING ON TIGHT ROPE - SPECTRUM OF CASES, HOSPITAL SUNGAI BULOH EXPERIENCE

Bazin SS, Bakin S, Yun SI

Department of Diagnostic Imaging, Hospital Sungai Buloh Malaysia

COLLEGE OF RADIOLOGY
Academy of Medicine of Malaysia

대한영상의학회
The Korean Society of Radiology

KSCI
KOREAN SOCIETY OF CARDIOVASCULAR IMAGING

Hassan R

is awarded a

Certificate of Merit

for the poster presentation on

BREAST DENSITY ESTIMATION ON FULL-FIELD-DIGITAL MAMMOGRAPHY (FFDM) BY GENERAL RADIOLOGISTS: COMPARISON OF BI-RADS AND TABAR CLASSIFICATION SYTEMS

Malaysian Congress of Radiology (MCoR)

Incorporating

2014 Annual Scientific Meeting
KSR-MCoR Friendship Symposium

Cardiovascular Imaging

at

Putrajaya Marriott Hotel & Spa

3 - 5 April 2014

Dr Amran Abdul Rahman
Organising Chairman

Dr Abdul Rahman Mohamad
CoR President

COLLEGE OF RADIOLOGY
Academy of Medicine of Malaysia

대한영상의학회
The Korean Society of Radiology

KSCI
KOREAN SOCIETY OF CARDIOVASCULAR IMAGING

Certificate of Attendance

This is to certify that

Dr Radhiana Binti Hassan

has attended

Malaysian Congress of Radiology (MCoR)

Incorporating

2014 Annual Scientific Meeting
KSR-MCoR Friendship Symposium

Cardiovascular Imaging

at

Putrajaya Marriott Hotel & Spa

4th & 5th April 2014

Dr Amran Abdul Rahman
Organising Chairman

Dr Abdul Rahman Mohamad
CoR President

15 Points for Participants in Category Core - A2 of the College of Radiology's CPD system