

## **Dr. Maha Gharaibeh**

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### **About me**

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I have started my career as a breast imaging and general radiology consultant since 2015. Knowing that breast cancer is an area of global concern and being the only specialized breast imaging radiologist in north of Jordan, I felt the importance of offering the service for women in my region.

On top of my role as a medical doctor, I have also had the opportunity to volunteer in the Jordanian communities to help and educate women about this disease. In Jordan, being a female Dr. specialized in mammogram is an advantage to play the role of patient advocate.

### **Work Experience**

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***Associated Professor/Breast Imaging and General Radiology Consultant***  
*College of Medicine,  
Jordan University of Science and Technology (JUST)/Radiology Department, King Abdullah University Hospital, Irbid, Jordan  
February 2015 – Present*

***Teaching and Research Assistant***  
*College of Medicine, Jordan University of Science and Technology (JUST). Irbid, Jordan  
November 2009 – June 2011*

### **Education**

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***Breast imaging and general radiology training***  
*Royal Wolverhampton and Royal Shrewsbury Hospital, UK; 2013*

***Jordanian Board in radiology***  
*Jordan Medical Council, Jordan; 2009*

***High specialty degree in diagnostic radiology***  
*Jordan University of Science and Technology, Irbid, Jordan; 2009*

### ***Medical internship***

*King Abdullah University Hospital, Irbid, Jordan; 2005*

### ***Bachelor Degree of medicine and surgery***

*King Abdullah University Hospital, Irbid, Jordan; 2004*

### **Teaching courses**

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1. Diagnostic radiology for medical students 4<sup>th</sup> and 5<sup>th</sup> years
2. Diagnostic radiology for high specialty degree students in diagnostic radiology

### **Training courses**

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3. Radiologist specialist course, Nottingham Breast Institute. 2012
4. Breast Biopsy day, Nottingham Breast Institute. 2013
5. Multidisciplinary workshops in breast imaging, Jordan Breast Cancer Program/ King Hussein Cancer Foundation. 2015
6. Multidisciplinary workshops in breast imaging, Jordan Breast Cancer Program/ King Hussein Cancer Foundation. 2017
7. Multidisciplinary workshops in breast imaging, Jordan Breast Cancer Program/ King Hussein Cancer Foundation. 2019
8. Application training for use and operation of Hologic`s Selenia Dimensions with Iview, Affirm Upright and Suros, reference center, Dubai. 2021
9. One day Online Pack up For Mammography and Biopsy Application Training September 2021.
10. CT and MR of the Abdomen, Jordanian Radiology Society. 2019
11. Breast Imaging Multimodality workshop, Jordan Breast Cancer Program, 2023

### **Conferences**

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1. Introductory series of the multidisciplinary conference, Online with Jordan Breast Cancer Program. 2021
2. 8th international Medical conference, Jordan University Of science and Technology. 2016
3. 9th Scientific Conference of Faculty of Medicine, Jordan University Of Science And Technology. 2017
4. European Congress of Radiology. 2021

### **Extra-curricular activities**

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1. Lecture about the last update of breast cancer screening, Jordan Medical Association, October 2022.
2. Breast Cancer Awareness football match. Octob/ 2022

3. Jordanian medical radiology board examiner. August 2021 & Feb 2022
4. Invited Speaker on Social Media Webinar. Breast Cancer awareness. Jordan Breast Cancer Program. October 2020
5. Invited Speaker on Social Media Webinar. Breast Cancer awareness. Jordan Breast Cancer Program. October 2021
6. Free medical day for the awareness of breast cancer. King Abdullah University Hospital. Ajlun. October 2016
7. Free medical day for the awareness of breast cancer. King Abdullah University Hospital. Irbid. August 2016
8. Free medical day for the awareness of breast cancer. King Abdullah University Hospital. Jerash. March 2015
9. Jordanian breast cancer awareness marathon coordinator. October 2021
10. Referee of a book on breast cancer prevention. March 2022
11. Referee of a book on breast cancer prevention. November 2020
12. Referee of a book on breast cancer prevention. February 2020
13. Representative of the Department of Radiology in the Medical College Council 2016-2021
14. Mammographic machine purchase committee. 2022
15. MRI machine purchase committee. 2022
16. Lecturer: King Abdullah University Hospital Breast Cancer Cases and prevalence estimate from North of Jordan. 2018
17. Chief Resident. King Abdullah University Hospital. 2008-2009

## Publications

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1. Gharaibeh M, El-Obeid E, Khasawneh R, Karrar M, Salman M, Farah A, Ahmmed S, Al-Omari M, Elheis M, Abualigah L. Impact of the COVID-19 pandemic on imaging case volumes in King Abdullah University Hospitals (KAUH). *Front Med (Lausanne)*. 2023 Feb 9;10:1103083.
2. **Gharaibeh MM**, Elobeid EA, El-Heis MA, Bataineh LA, Alorjani MS. Radiological and Histological Correlation in Small Cell Neuroendocrine Carcinoma of the Breast: A Case Report. *Am J Case Rep*. 2021 Sep 27;22:e932274.
3. **Gharaibeh, Maha**, MothannaAlmahmoud, Mostafa Z. Ali, Amer Al-Badarneh, Mwaffaq El-Heis, Laith Abualigah, Maryam Altalhi, Ahmad Alaiad, and Amir H. Gandomi. 2022. "Early Diagnosis of Alzheimer's Disease Using Cerebral Catheter Angiogram Neuroimaging: A Novel Model Based on Deep Learning Approaches" *Big Data and Cognitive Computing* 6, no. 1: 2.
4. **Gharaibeh, Maha**, Dalia Alzu'bi, Malak Abdullah, Ismail Hmeidi, Mohammad R. Al Nasar, Laith Abualigah, and Amir H. Gandomi. 2022. "Radiology Imaging Scans for Early Diagnosis of Kidney Tumors: A Review of Data Analytics-Based Machine Learning and Deep Learning Approaches" *Big Data and Cognitive Computing* 6, no. 1: 29.

5. **Gharaibeh M**, Elheis M, Khasawneh R, Al-Omari M, Jibril M, Dilki K, El-Obeid E, Altalhi M, Abualigah L. Chest Radiograph Severity Scores, Comorbidity Prevalence, and Outcomes of Patients with Coronavirus Disease Treated at the King Abdullah University Hospital in Jordan: A Retrospective Study. *Int J Gen Med*. 2022;15:5103-5110
6. Rawashdeh, Mohammad, MahaZaitoun, Mark F. McEntee, Mostafa Abdelrahman, **MahaGharaibeh**, Suha Ghoul, and Charbel Saade. "Knowledge, attitude and practice regarding clinical and self breast examination among radiology professionals." *Breast Cancer Management* 7, no. 3 (2019): BMT16.
7. Ruba A. Khasawneh, Ziyad Mohaidat, Firas A. Khasawneh, Ahmad Farah, **MahaGharaibeh**, Mwaffaq El-Heis. Extraplural findings prevalence and clinical significance in 4250 lumbar spine MRI exams. *Sci Rep* 11, 1190 (2021).
8. Khasawneh RA, Mohaidat ZM, **Gharaibeh MM**, Hdeeb A. Post-Traumatic Hemosiderotic Synovitis of the Knee Mimicking Pigmented Villonodular Synovitis on Magnetic Resonance Imaging (MRI) in a Child: A Case Report. *Am J Case Rep*. 2021 Jun 29;22:e931992.
9. Al-Omari MH, Obeidat N, Elheis M, Khasawneh RA, **Gharaibeh MM**. Factors Affecting Pregnancy Rate Following Fallopian Tube Recanalization in Women with Proximal Fallopian Tube Obstruction. *J Clin Med*. 2018 May 10;7(5):110.
10. El-Heis M, **Gharaibeh M**, Al-Omari M, Khasawneh R. The centre edge angle of wiberg of acetabulum in adult jordanian population. *MOJ OrthopRheumatol*. 2018;10(2):168-170.
11. El Heis, Mwaffaq, **MahaGharaibeh**, Mammon Al-Omari, and RubaKhasawneh. "The Radiographic Features of Mycobacterium Malmoense Infection." *BioMedical. Age* 8 (2018): 33-33.
12. Mwaffaq El-Heis, **MahaGharaibeh**, Mammon Al-Omari, RubaKhasawneh. Multiple Sclerosis and Neurofibromatosis Type 1. *Research Journal of Medical Sciences* 100 (5-6), 203-207.
13. Rami J. Yaghan, Nehad M. Ayoub, ShadiHamouri, Alia Al-Mohtaseb, **MahaGharaibeh**, Lamees Yaghan, Mahmoud Al-Dari, Hiba Al-Kaff, Nabil A. Al-Zoubi, "The Role of Establishing a Multidisciplinary Team for Idiopathic Granulomatous Mastitis in Improving Patient Outcomes and Spreading Awareness about Recent Disease Trends", *International Journal of Breast Cancer*, vol. 2020, Article ID 5243958, 9 pages, 2020.
14. Mwaffaq El-Heis, **MahaGharaibeh**, Mammon Al-Omari, QusaiAljarrah and RubaKhasawneh, 2018. The Non-Urological Findings of CT Urography. *Research Journal of Medical Sciences*, 12: 75-77.
15. El-Heis MA, Al-Kamil EA, Kheirallah KA, Al-Shatnawi TN, **Gharaibia M**, Al-Mnayyis A. Factors associated with osteoporosis among a sample of Jordanian women referred for investigation for osteoporosis. *East Mediterr Health J*. 2013 May;19(5):459-64. PMID: 24617125.

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### Accepted research pending publication

1. **MahaGharaibeh**, MwaffaqElheis, MothannaAlmahmoud, SayelAbualigah, Omar Elayan, 2022. Machine Learning for Alzheimer's Disease Detection Based on Neuroimaging Techniques: A Review. *The 13th International Conference OnInformation And Communications Systems. IEEE*.

## References

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- Dr. Marie Matelko  
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