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Department of Medical laboratory Science, Unizah Community College, Qassim University, Kingdom of Saudi Arabia.

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**Education:**

**PhD in Pathology. College of Medicine, Nottingham University, UK, 2021**

Master of Science in Medical laboratory Science with specialization in Cytopathology, University of Rhode Island. USA,

Bachelor of Science in Veterinary Medicine. College of Agriculture and Veterinary Medicine, Qassim University, KSA, 2009.

**Clinical internship in the field of cytopathology 2013-2014**

- Processed specimens according to established procedures and screened non-gynecological, gynecological and fine needle aspiration specimens
- Conducted test methodically and ensured the accuracy, acceptability and confidentiality of test results
- Responsible for sending the test samples to the laboratory for the determination of abnormal conditions or possible malignancy
- Handled the tasks of preparing and maintaining quality control and assurance
- Coordinated and supervised staff activities of the cytology department
- Prepared microscopic slides of blood samples, body exudates, scrapings and enhance cells visibility under microscope
- Examined cerebral spinal fluid to determine infections like meningitis

**Training locations**

- Massachusetts General Hospital, Pathology laboratory, Boston MA.
- Rhode island Hospital, Pathology laboratory, Providence. RI.
- Women and infant Hospital, Pathology laboratory, Providence RI
- Milford Regional Medical Center, Pathology laboratory, Milford, MA
- Our Lady of Fatima Hospital. Pathology laboratory. Providence RI.
- Quest diagnostic Laboratory. Johnston, RI.
- Memorial Hospital of RI, Pawtucket, RI
- Connecticut Pathology laboratory, Willimantic. CT.

Training courses

- The Thin Prep Pap Test training program.7/ 2012.
- BD Sure Path liquid-based Pap test training program. 11/2012.
- The introduction to the Cytoreparation laboratory online course .7/2013.

### **Teaching Experience**

Lecturer in the Medical Laboratory science department at Unizah Community College. Qassim University (2010-present)

Courses Taught and Monitored: Histology and Molecular Pathology.

### **Grants/Award**

3<sup>rd</sup> place winner Cytology Poster award presentation, ASCLS-CNE, 2013.

### **Professional Affiliation**

Certified Cytotechnologist and a member of American Society of Clinical Pathology (ASCP).

### **Peer-Reviewed Publications**

1. Chitra Joseph, Athanasia Papadaki, Maryam Althobiti, **Mansour Alsaleem**, Mohammed A Aleskandarany, Emad A Rakha. “Breast cancer intratumour heterogeneity: current status and clinical implications”. (Histopathology 2018).
2. **Mansour Alsaleem**, Michael S Toss, Chitra Joseph, Mohammed Aleskandarany, Sasagu Kurozumi, Ibrahim Alshankyty, Angela Ogden, Padmashree CG Rida, Ian O Ellis, Ritu Aneja, Andrew R Green, Nigel P Mongan, Emad A Rakha. “The molecular mechanisms underlying reduced E-cadherin expression in invasive ductal carcinoma of the breast: high throughput analysis of large cohorts”. Modern Pathology (2019).
3. **Mansour Alsaleem**, Graham Ball, Michael S Toss, Sara Raafat, Mohammed Aleskandarany, Chitra Joseph, Angela Ogden, Shristi Bhattarai, Padmashree CG Rida, Francesca Khani, Melissa Davis, Olivier Elemento, Ritu Aneja, Ian O Ellis, Andrew Green, Nigel P Mongan, Emad Rakha. “A novel prognostic two-gene signature for triple negative breast cancer”. Modern Pathology (2020).

4. Teresa Gagliano, Kalpit Shah, Sofia Gargani, Liyan Lao, **Mansour Alsaleem**, Jianing Chen, Vasileios Ntafis, Penghan Huang, Angeliki Ditsiou, Viviana Vella, Kritika Yadav, Kamila Bienkowska, Giulia Bresciani, Kai Kang, Leping Li, Philip Carter, Graeme Benstead-Hume, Timothy O'Hanlon, Michael Dean, Frances MG Pearl, Soo-Chin Lee, Emad A Rakha, Andrew R Green, Dimitris L Kontoyiannis, Erwei Song, Justin Stebbing, Georgios Giamas. "PIK3C $\delta$  expression by fibroblasts promotes triple-negative breast cancer progression". The Journal of Clinical Investigation (2020).
5. Angela Ogden, Shristi Bhattarai, Bikram Sahoo, Nigel P Mongan, **Mansour Alsaleem**, Andrew R Green, Mohammed Aleskandarany, Ian O Ellis, Sonal Pattni, Xiaoxian Bill Li, Carlos S Moreno, Uma Krishnamurti, Emiel A Janssen, Kristin Jonsdottir, Emad Rakha, Padmashree Rida, Ritu Aneja. "Combined HER3-EGFR score in triple-negative breast cancer provides prognostic and predictive significance superior to individual biomarkers". Scientific reports (2020).
6. Michael S Toss, Islam Miligy, Abdubaqi Al-Kawaz, **Mansour Alsaleem**, Hazem Khout, Padmashree C Rida, Ritu Aneja, Andrew R Green, Ian O Ellis, Emad A Rakha. "Prognostic significance of tumor-infiltrating lymphocytes in ductal carcinoma in situ of the breast". Modern Pathology (2018).
7. Sasagu Kurozumi, Chitra Joseph, Sultan Sonbul, Mohammed A Aleskandarany, Marian Pigera, **Mansour Alsaleem**, Sami Alsaeed, Yousif Kariri, Christopher C Nolan, Maria Diez-Rodriguez, Simon Johnston, Nigel P Mongan, Takaaki Fujii, Ken Shirabe, Stewart G Martin, Ian O Ellis, Andrew R Green, Emad A Rakha. "Clinicopathological and prognostic significance of Ras association and pleckstrin homology domains 1 (RAPH1) in breast cancer". Breast Cancer Research and Treatment (2018).
8. Sasagu Kurozumi, Chitra Joseph, Sultan Sonbul, Sami Alsaeed, Yousif Kariri, Abrar Aljohani, Sara Raafat, **Mansour Alsaleem**, Angela Ogden, Simon J Johnston, Mohammed A Aleskandarany, Takaaki Fujii, Ken Shirabe, Carlos Caldas, Ibraheem Ashankyty, Leslie Dalton, Ian O Ellis, Christine Desmedt, Andrew R Green, Nigel P Mongan, Emad A Rakha. "A key genomic subtype associated with lymphovascular invasion in invasive breast cancer". Breast Cancer Research and Treatment (2019).
9. Sasagu Kurozumi, Chitra Joseph, Sara Raafat, Sultan Sonbul, Yousif Kariri, Sami Alsaeed, Marian Pigera, **Mansour Alsaleem**, Christopher C Nolan, Simon J Johnston, Mohammed A Aleskandarany, Angela Ogden, Takaaki Fujii, Ken Shirabe, Stewart G Martin, Ibraheem Alshankyty, Nigel P Mongan, Ian O Ellis, Andrew R Green, Emad A Rakha. "Utility of ankyrin 3 as a prognostic marker in

- androgen-receptor-positive breast cancer”. Breast Cancer Research and Treatment (2019).
10. Chitra Joseph, Sara Al-Izzi, **Mansour Alsaleem**, Sasagu Kurozumi, Michael S Toss, Maariya Arshad, Fang Qin Goh, Ibraheem M Alshankyty, Mohammed A Aleskandarany, Simak Ali, Ian O Ellis, Nigel P Mongan, Andrew R Green, Emad A Rakha. “Retinoid X receptor gamma (RXRG) is an independent prognostic biomarker in ER-positive invasive breast cancer”. Breast Cancer Research and Treatment (2019).
  11. Yousif A Kariri, Chitra Joseph, Sasagu Kurozumi, Michael S Toss, **Mansour Alsaleem**, Sara Raafat, Nigel P Mongan, Mohammed A Aleskandarany, Andrew R Green, Emad A Rakha. “Prognostic significance of KN motif and ankyrin repeat domains 1 (KANK1) in invasive breast cancer”. Breast Cancer Research and Treatment (2020).
  12. Chitra Joseph, **Mansour Alsaleem**, Nnamdi Orah, Pavan L Narasimha, Islam M Miligy, Sasagu Kurozumi, Ian O Ellis, Nigel P Mongan, Andrew R Green, Emad A Rakha. “Elevated MMP9 expression in breast cancer is a predictor of shorter patient survival”. Breast Cancer Research and Treatment (2020).
  13. Emad A Rakha, **Mansour Alsaleem**, Khlood A ElSharawy, Michael S Toss, Sara Raafat, Raluca Mihai, Fayyaz A Minhas, Andrew R Green, Nasir M Rajpoot, Leslie W Dalton, Nigel P Mongan. “Visual histological assessment of morphological features reflects the underlying molecular profile in invasive breast cancer: a morphomolecular study”. Histopathology (2020).
  14. Yousif A Kariri, **Mansour Alsaleem**, Chitra Joseph, Sami Alsaeed, Abrar Aljohani, Sho Shiino, Omar J. Mohammed, Michael S Toss, Andrew R Green, Emad A Rakha. “The prognostic significance of Interferon Stimulated Gene 15 (ISG15) in invasive breast cancer”. Breast Cancer Research and Treatment (2020).
  15. Sasagu Kurozumi, **Mansour Alsaleem**, Cintia J. Monteiro, Kartikeya Bhardwaj, Stacey E. P. Joosten, Takaaki Fujii, Ken Shirabe, Andrew R. Green, Ian O. Ellis, Emad A. Rakha, Nigel P. Mongan, David M. Heery, Wilbert Zwart, Steffi Oesterreich & Simon J. Johnston. “Targetable ERBB2 mutation status is an independent marker of adverse prognosis in estrogen receptor positive, ERBB2 non-amplified primary lobular breast carcinoma: a retrospective in silico analysis of public datasets”. Breast Cancer Research and Treatment (2020).
  16. Chitra Joseph, **Mansour Alsaleem**, Michael S. Toss, Yousif A. Kariri, Maryam Althobiti, Sami Alsaeed, Abrar I. Aljohani, Pavan L. Narasimha, Nigel P. Mongan, Andrew R. Green, Emad A. Rakha. “The ITIM-containing Receptor:

- Leukocyte-associated immunoglobulin-like receptor-1 (LAIR-1) modulates immune response and confers poor prognosis in invasive breast carcinoma”. *Cancers* (2020).
17. Reem Ali, Adel Alblihy, Islam Miligy, Muslim Alabdullah, **Mansour Alsaleem**, Michael S Toss, Meshael Algethami, Tarek Abdel-Fattah, Paul Moseley, Stephen Chan, Nigel P Mongan, Satya Narayan, Emad A Rakha and Srinivasan Madhusudan. "Molecular disruption of DNA polymerase  $\beta$  for platinum sensitization and synthetic lethality in epithelial ovarian cancers". *Oncogene*, (2020).
  18. Adrian Sanz-Moreno; Sonia Palomeras, Kim Pedersen; Beatriz Morancho, Tomas Pascual, Patricia Galván, Sandra Benítez, Jorge Gomez-Miragaya, Marina Ciscar; Sonia Pernas, Anna Petit, Maria Teresa Soler-Monsó, Gemma Viñas, **Mansour Alsaleem**, Emad A Rakha, Andrew R Green, Patricia G Santamaria, Celine Mulder, Simone Lemeer, Joaquin Arribas, Aleix Prat, Teresa Puig and Eva Gonzalez Suarez. . “RANK signaling increases after anti-HER2 therapy contributing to the emergence of resistance in HER2-positive breast cancer”. *Breast Cancer Research* (2020).
  19. Sami Alsaeed, Michael S Toss, **Mansour Alsaleem**, Mohammed A Aleskandarany, Chitra Joseph, Sasagu Kurozumi, Graham Ball, Nigel P Mongan, Andrew R Green and Emad A Rakha. “The prognostic significance of Heat Shock Protein 90AA1 (HSP90 $\alpha$ ) in invasive breast cancer”. *Journal of Clinical Pathology*(2020).