

# **Anwar Abdullah Rjoop, MD, FCAP**

Assistant Professor of Pathology and Microbiology

## **Personal**

**Date of Birth:** 25th October 1984

**Nationality:** Jordanian

**Address:** Department of Pathology and Microbiology, Faculty of Medicine, Jordan University of Science and Technology, Jordan.

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Research gate: <https://www.researchgate.net/profile/Anwar-Rjoop>

Google scholar: <https://scholar.google.com/citations?user=VJ-v1YgAAAAJ&hl=en>

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JUST web page: <https://www.just.edu.jo/~aarjoop/>

**Current position:** Assistant professor, Faculty of Medicine, Department of Pathology and Microbiology, Jordan University of Science and Technology, Jordan.

**Professional Registration Status:**

Jordan: Ministry of Health Licenses (Permit Numbers: 625/10039, 7/8/2014).

USA: American Board of Pathology (ABPath ID: 113655, 08/07/2017)

## **About me**

Dr.Rjoop is an assistant professor of Anatomic and Clinical Pathology at Faculty of Medicine at Jordan University of Science and Technology (JUST) in Irbid, Jordan and a consultant pathologist at king Abdullah University hospital (KAUH), in process of advancing to an associate professor. Specializing in transfusion medicine and hematopathology. I serve as the associate program director of the pathology residency program at KAUH, which is accredited by international ACGME, with passion for teaching and mentoring. My current clinical interests include therapeutic apheresis, leukaemia, lymphoma and multiple myeloma. I previously served as an instructor in the Collage of Medicine at University of Arkansas for Medical Sciences and earlier as an assistant professor in the College of Medicine at Yarmouk University in Jordan. I received my medical degree from Jordan University of Science and Technology in Jordan and completed anatomic and clinical pathology (AP/CP) residency at University of Arkansas for Medical Sciences. Then I completed a fellowship in hematopathology and trained in Transfusion medicine and blood bank at UAMS (where I also served as lab and pathology service line junior director). Prior to residency training in USA, I earned the Jordanian board in anatomic pathology after four years of residency at King Abdullah University Hospital in Jordan. I have many publications and presentations at national and international conferences and have participated in many internal inspections and external CAP inspections as a team member. I am board certified in Anatomic Pathology and Clinical Pathology by the American Board of Pathology, with subspecialty certification in Hematopathology. I am a registered Fellow of the Collage of American Pathologists (CAP) and a member of several professional societies including ASCP and AABB.

## Experience

<b>2020- present</b>	<b>Assistant Professor</b> , Department of Pathology and Microbiology, Faculty of Medicine, Jordan University of Science and Technology, Jordan
<b>2020- present</b>	<b>Consultant pathologist/hematopathologist</b> , King Abdullah University Hospital, Jordan
<b>2021- present</b>	<b>Director of the blood bank</b> , King Abdullah University Hospital, Irbid, Jordan
<b>2023- present</b>	<b>Consultant hematopathologist</b> , King Hussein Medical Center, Royal Medical services, Jordan
<b>2023-present</b>	<b>Associate program director</b> , Pathology residency program, Jordan University of Science and Technology, Jordan
<b>2022-2024</b>	<b>Board Examiner</b> , Clinical pathology Board Committee, Jordan Medical Council, Jordan
<b>2019-2020</b>	<b>Lab instructor</b> , Department of Pathology, Apheresis and blood bank, University of Arkansas for Medical Sciences, USA
<b>2018–2019</b>	<b>Assistant professor</b> , Department of Basic Medical Science, College of Medicine Yarmouk University, Jordan

## Education

<b>2019-2020</b>	<b><u>Advanced training in transfusion</u></b> University of Arkansas for Medical medicine, Little Rock, AR, USA
<b>2017-2018</b>	<b><u>Fellowship in Hematopathology</u></b> University of Arkansas for Medical Sciences, Little Rock, AR, USA
<b>2013-2017</b>	<b><u>Residency in Anatomic and Clinical Pathology</u></b> University of Arkansas for Medical Sciences, Little Rock, AR, USA
<b>2009-2013</b>	<b><u>Residency in Anatomic Pathology</u></b> King Abdullah University Hospital, Irbid, Jordan Master's degree in higher studies in Jordan University for science and Medicine (pathology)
<b>2008-2009</b>	<b><u>Internship in Medicine</u></b> Princess Bassma Hospital, Ministry of Health, Jordan.
<b>2002-2008</b>	<b><u>Bachelor of Medicine and Surgery</u></b> (Cumulative Average: 82.2%, Very Good) Faculty of Medicine, Jordan University of Science and Technology, Jordan.
<b>2001-2002</b>	<b><u>Jordanian Tawjahi:</u></b> High School; Assareih High School (Cumulative Average 96.7%).

## **Certifications**

- Advanced training in transfusion medicine (UAMS) 15/9/2020
- American board of Hematopathology 27/9/2018
- American Board of Pathology (ABP) of Anatomic Pathology  
And Clinical Pathology 7/8/2017
- Jordanian Board in Anatomic Pathology 16/9/2013
- M.B.B.S in Medicine and Surgery 11/6/2008

## **M.D. Licensure**

2019- present      Arkansas state (USA) medical license (E-12367)  
2013 - present      Jordan medical council (Anatomic pathology) (625/10039)  
2008 – present      Jordan medical council (General physician)

## **Service with National Professional Organizations**

**Inspection Team Member, Collage of American Pathologists (CAP)    June 2016 – present**  
Performed One inspection of outside laboratories and two self-inspections: Anatomic Pathology, Immunology, Transfusion Medicine, Virology, Special Chemistry & Microbiology checklists.

## **Research Interests**

I have professional expertise in the areas of:

- Anatomic pathology
- Clinical pathology
- Hematopathology
- Blood bank and transfusion medicine.
- Medical education
- Cytology
- Forensic pathology
- Leukemia
- Lymphoma
- Multiple myeloma
- Hematology
- Lab quality assurance
- Laboratory inspections

My research interest is hematopathology and blood bank, the main research interest is acute leukemia, lymphoma, and multiple myeloma.

## **Research Grants**

1. Jordan University of Science and Technology: “Gene expression of Lymphoid Enhancer binding Factor 1 isoforms in acute leukemia patients in Jordan” - 6500 JD (2024-2026).
2. Jordan University of Science and Technology: ‘Genetic expression of RUNX1, C-Myc, and XRCC5 in Acute Leukemia in Jordanian Patients.’ - 8850 JD (2024-2026).
3. Jordan University of Science and Technology: ‘Investigating LTT1 and CD161 expression in Hodgkin Lymphoma: Relation to Tumor Microenvironment cells and Patient's Outcomes’ - 5960 JD (2024-2026).

## **Research Experience**

- Knowledge and experience in research fields (University of Arkansas for Medical Sciences, USA) including reading and writing research proposals related to areas of pathology and hematology.
- Gain experience in techniques related medical sciences (biochemistry, and molecular pathology; University of Arkansas for Medical Sciences, USA) including:
  - Immunohistochemistry.
  - Electron microscope
  - Flowcytometry
  - FISH
  - DNA extraction
  - RNA extraction.
  - Western blot.
  - ELISA.
  - qPCR.
  - HPLC

## Teaching

My Teaching Philosophy: As I progressed in my scientific career, I came to believe that teaching medical and postgraduate students combines knowledge, skill, passion, and compassion. I have always strived to improve both myself and my students. To be an effective instructor, I must employ a variety of tactics to create a secure and loving environment in which students may express themselves and voice their thoughts in order to accept each other's unique characteristics. I feel that each learner is unique and should not be taught in the same manner. Teaching graduate and undergraduate students allows me to ensure that they comprehend fundamental principles for their campus life and, more importantly, for their own actual life beyond college, in order to grow stronger, more confident, and effective members of their families and communities.

## Undergraduate Courses

- General Pathology (lecturer)
- General pathology, lab (lecturer)
- Endocrine System (lecturer)
- Cardiovascular System (lecturer)
- Urinary and Reproductive System (lecturer)
- Haemopoietic and Lymphatic System (Coordinator and lecturer)
- Research 1, in Pathology (Coordinator and lecturer)
- Research 1, in Pathology (Coordinator and lecturer)
- Research, writing and defense (Coordinator and lecturer)
  
- **Graduate Didactics:**
  - Clinical training in Pathology (PGY1-PGY4)  
Pathology resident's didactics include lectures, seminars, slide seminars and journal clubs.
  
- **Clinical Rotation supervisor:**

Supervising and teaching pathology residents (PGY1-PPGY4) on these rotations:

  - Surgical pathology
  - Bone marrow
  - Flow cytometry
  - Blood bank

## **Graduate (Master) Student Supervision**

### **As PI:**

- Shaimaa Alhaj, M.Sc (2022- graduated)  
Thesis Title: : Informing the quality governance of the blood banking and transfusion processes through developing a process architecture
- Khadeja Abdel Hafeez Maasher (2023 - current student).  
Thesis Title: LEF-1 expression in acute leukemia- expression level and association with outcomes
- Rania Abdallah Samam'a (2024 - current student).  
Thesis Title: Investigating LLT1 and CD161 Expression in Hodgkin's Lymphoma: July 2023-present Relation to Tumor Microenvironment cells, and patient's outcome
- Gaith Qasim Aljadi (2024 - current student)  
Thesis Title: Investigating the Expression Level of MicroRNA-150 in Transfusion-Dependent Beta-Thalassemia Patients and the Clinical Outcomes

### **As co-advisor:**

- Yaqeen Rjoub, M.Sc ((2023- graduated)  
Thesis Title: Exploring the Absence of LMP1-XhoI Deletion in Jordanian Nasopharyngeal Carcinoma Patients: A Genetic Perspective
- Tasneem Alomari (2024- current student)  
Thesis Title: The correlation between PD-L1 expression and different immune cells infiltration in bladder cancer
- Ahmad Qadadeh (2024-current student)  
Thesis Title: Programmed death -1 (PD1) and Programmed death -Ligand 1 (PDL1) Gene Expressions and their Association with Epstein-Barr virus Infection in Lymphoma patients

### **As external examiner:**

- Mohamad Daboor, M.Sc  
Thesis Title: Using workflow modelling to investigate the readiness of HAI/CLABSI datasets for the development of CLABSI prediction platform
- Sawsan Mutlak, M.Sc  
Thesis Title: bi-BPA.GOV: studying the impact of Object-Oriented BPA on process governance in breast imaging context

## **Mentoring and Quality control activities:**

<b>AP/CP resident teaching at UAMS</b>	7/2013-6/2017
Pathology residents, lab technologists and medical students teaching through monthly didactics, medpath conference, seminars and supervising first year residents in transfusion medicine, orientation month	
<b>Lab and pathology service line junior director:</b>	2015-2016
Oversaw the clinical lab, reference lab, and cell saver service. Quality control project (cell saver) Staff training. Review and update general procedures and policies	
<b>Intraoperative cell salvage team supervisor</b>	2015-2016
<b>CD 41 immunohistochemical stain validation</b>	2016
<b>Automated nRBC correction</b>	2016
<b>Pathology Preceptor, Human Structure Module</b>	2015 -2016
Supervised anatomy lab for third year medical students and helped in examining lesion and taking biopsies and judged the final presentations	
<b>Pathology resident mentorship</b>	2016-2017
Supervised and mentored first year resident through the first year of their training	
<b>Cytology-hematology correlation (monthly)</b>	2017- 2018
<b>H&amp;E stain and Iron stain quality control (daily)</b>	2017-2018
<b>Hematopathology Fellowship</b>	7/2017-6/2018
Prepared and delivered didactic lectures for pathology. residents, hematology-oncology fellows and attending physicians (2/month). Prepared and presented multiple tumor boards including Myeloma Conference(1/month) and hematology tumor board(2/month).	

## Patent

Elhaj SA, Odeh Y, Tbaishat D, Rjoop A, Odeh M. (inventors with equal rights). Process Architectural Framework for Blood Banking and Transfusion (PArch.BB&T), patent number (JO-P-2023-103). The Jordanian Patent Office, part of the Ministry of Industry and Trade, Jordan.

## Editorial and Peer Review Responsibilities

- Guest Associate editor: Frontiers in Medicine (Q1 Journal) Special issue: "Process-based and Informatics-enabled Regulatory Healthcare" 2024-present
- Reviewer in:
  - Frontiers in Medicine 2024
  - SAGE Open Medical Case Reports 2024
  - PlosOne 2024
  - American Journal of Case Reports 2024

## Publications

### Published Peer Reviewed Journal Articles

- Khaled J. Ata, Hani N. Farsakh, **Anwar Rjoop**, Ismail Matalaka, Liqa A. Rousan. Alveolar Soft Part Sarcoma of the Extremity: Case Report and Literature Review: World J Oncol 2014;5(1):47-51.
- Krishna Joshi, Kevin Kuriakose, Rahul Ravilla, Yogita Rochlani, **Anwar Rjoop**, Daisy Alapat, Appala Naidu Sasapu. Epstein-Barr Virus-Induced Polymorphic Nodal Lymphoproliferative Disorder Presenting as Recurrent Fever and Scrotal Swelling: A Case Report and Review of Literature: Journal of medical cases 7(8):354-357 · December 2015 3.
- **Anwar Rjoop**, Ericka Olgaard, Albert Johnson, Victoria Booker: Intraoperative Cell Salvage: A Unique Performance Model in a Large Academic Center: CAPArchives Sep 2016
- Post GR, Bell RC, **Rjoop A**, Lobo RH, Yuan Y, Post SR. Diagnostic Utility of Interleukin-6 Expression by Immunohistochemistry in Differentiating Castleman Disease Subtypes and Reactive Lymphadenopathies Ann Clin Lab Sci. 2016 Sep;46(5):474-9. PMID: 27650613



- **Anwar Rjoop**, Soumya Pandey, Rebecca A. Levy: A rare case of follicular lymphoma with transformation to diffuse large B-cell lymphoma and trans-differentiation to histiocytic sarcoma. *Case Reports in Clinical Pathology* 2016, Vol. 3, No. 4 6.
- Abigail Russ, **Anwar Rjoop**, Rebecca A. Levy, Ginell Post: A Female Infant with Vomiting and Failure to Thrive. *Clinical Pediatrics*· November 2017 DOI: 10.1177/0009922817738348
- **A Rjoop**, S Pandey, G Insuasti, RL Henrich, Molecular Subtypes of Plasma Cell Neoplasms with Circulating Neoplastic Plasma Cells. *Blood* 2017;130:438
- **A Rjoop**, RH Lobo, S Pandey, D Alapat: Plasma Cell Neoplasms (PCNs) With Low-Risk, Favorable Gene Expression Subtypes Are More Often Associated with Therapy-Related Myelodysplastic Syndrome (t-MDS). *American Journal of Clinical Pathology*, 2018
- **Anwar Rjoop**, Kimberley Sanderson, Victoria Booker, Diane Hopper, and Ericka Olgaard: Unique Model for Intraoperative Cell Salvage Staffing, *Annals of clinical pathology*, October 2018, ISSN: 2373-9282
- **Anwar Rjoop**: Tubular Adenoma with a Concurrent Fibroadenoma: A Rare Disease with a Rare Occurrence *Archives of Pathology and laboratory medicine*, Volume 145, Issue 9, September 2021 Anwar Rjoop
- **Anwar Rjoop**, Marwa Barukba, Omar Al Rousan: A rare case of post COVID-19 hemophagocytic lymphohistiocytosis in a pediatric patient. *American Journal of Clinical Pathology* 156(Supplement\_1): S93-S93. October 2021. DOI: 10.1093/ajcp/aqab191.198
- **Rjoop A**, Elhaj S, Tbaishat D, Odeh Y, Mansour A, Odeh M (2024) A generic blood banking and transfusion process-oriented architecture for virtual organizations. *PLoS ONE* 19(6): e0303970. <https://doi.org/10.1371/journal.pone.0303970>
- Obeidat RA, Alshwayyat S, Alshwayyat TA, **Rjoop A**, Sharqiah QM. Presentation and treatment of two cases of malignant struma ovarii. *BMC Womens Health*. 2024 Mar 5;24(1):158. doi: 10.1186/s12905-024-03002-5. PMID: 38443937; PMCID: PMC10913386.
- Elhaj SA, Odeh Y, Tbaishat D, **Rjoop A**, Mansour A, Odeh M. Informing the State of Process Modeling and Automation of Blood Banking and Transfusion Services Through a Systematic Mapping Study. *J Multidiscip Healthc*. 2024 Feb 1; 17:473-489. doi: 10.2147/JMDH.S443674. PMID: 38318487; PMCID: PMC10840532.
- **Rjoop A**, Obiedat R, Al-Oqaily A, Abu Baker S, Matalaka I. Ovarian collision tumour consisting of a fibroma and a serous cystadenoma: A case report. *Case Rep Womens Health*. 2024 Mar 28;42: e00602. doi: 10.1016/j.crwh. 2024.e00602. PMID: 38577170; PMCID: PMC10987316.

- **Rjoop, A.**, Almohtaseb, A., Al Aruri, D. O., Hyari, D., & shugaer, M. A. (2024). Pure Leydig cell tumor of the ovary: a rare presentation of a rare entity in a pregnant patient. *Future Science OA*, 10(1). <https://doi.org/10.1080/20565623.2024.2424144>
- **Rjoop A**, Al-Qudah M, Alkhasawneh R, Bataineh N, Abdaljaleel M, Rjoub MA, Alkhateeb M, Abdelraheem M, Al-Omari S, Bani-Mari O, Alkabalan A, Altulaih S, Rjoub I, Alshimi R Awareness and Attitude Toward Artificial Intelligence Among Medical Students and Pathology Trainees:Survey Study *JMIR Med Educ* 2025;11:e62669 doi: 10.2196/62669 PMID: 39803949 PMCID: 11741511.
- Rjoop, W., **Rjoop, A.**, Almohtaseb, A. et al. Pathological and radiological assessment of benign breast lesions with BIRADS IVc/V subtypes. should we repeat the biopsy?. *BMC Women's Health* 25, 47 (2025). <https://doi.org/10.1186/s12905-025-03569-7>
- **Anwar Rjoop**; Mohammad A. Zaied; Bassel AlRabadi; Layla Gharib; Moath Naser; Reem A. Tayih., Rula A. AlShimi. "Navigating the Digital Landscape: Telemedicine and e-Health Utilisation in Non-Communicable Diseases in the Arab World: A Systematic Review," 2024 Global Digital Health Knowledge Exchange & Empowerment Conference (gDigiHealth.KEE), Abu Dhabi, United Arab Emirates, 2024, pp. 1-8, doi: 10.1109/gDigiHealth.KEE62309.2024.10761413.
- **Anwar Rjoop**; Bashar Al-Smadi; Mallak Abdalaziz Banihamad; Mirza Shabsough; Salahaldeen Alzyood; Mohammad Alorjani, Ahmed S. Shatnawi. "Navigating the Landscape of Building an Educational Pathology Digital Slide Library: An Institutional Experience," 2024 Global Digital Health Knowledge Exchange & Empowerment Conference (gDigiHealth.KEE), Abu Dhabi, United Arab Emirates, 2024, pp. 1-8, doi: 10.1109/gDigiHealth.KEE62309.2024.10761756.

## Conference Abstracts and Posters:

1. Aditya Chada · Krishna Siva Sai Kakkera · **Anwar Rjoop** · Nikhil Meena An Unusual Case of Cryptococcal Pleural Effusion. Oct 2016 · Chest annual meeting.
2. A. Prince, R. Purushothaman<sup>1</sup>, C. Colaco, **A. Rjoop**, R. Jagana; Recurrent Cough And Shortness Of Breath - An Interesting Case Of Disseminated Histoplasmosis In An Immunocompetent Patient American Thoracic Society 2016 International Conference Paper May 2016
3. **Anwar Rjoop**, Ericka Olgaard· Albert Johnson Victoria Booker Intraoperative Cell Salvage: A Unique Performance Model in a Large Academic Center. Collage of American Pathologists annual meeting 2016
4. **Anwar Rjoop**, Rebecca A. Levy Article: A rare case of follicular lymphoma with transformation to diffuse large B-cell lymphoma and trans-differentiation to histiocytic sarcoma. College of American Pathologists annual meeting 2016
5. **Anwar Rjoop**, Soumya Pandey, Giovani Insuasti, Rodolfo Lobo Henrich, Carolina D. Schinke, Maurizio Zangari, Frits van Rhee, Gareth J. Morgan, Faith E Davies, and Daisy Alapat: Molecular Subtypes of Plasma Cell Neoplasms with Circulating Neoplastic Plasma Cells. The American Society of Hematology annual meeting 2017
6. A Albashaireh, A Goel, A Kattoor, G Krishnan, **A Rjoop**, K Vyas: Secondary HLH in HIV patient with disseminated Histoplasmosis, Cryptococcosis and Toxoplasmosis. American college of physicians ACP Arkansas Chapter Sept 7th, 2018
7. **Anwar Rjoop**, Soumya Pandey, Rodolfo Henrich Lobo, and Daisy Alapat: Plasma Cell Neoplasms (PCN) with Low-risk, Favorable Gene Expression Subtypes Are More Often Associated with Therapy Related Myelodysplastic Syndrome (t-MDS). American Society for Clinical Pathology, October 3rd , 2018
8. **Anwar Rjoop**, Fatimah Al-qaisi, and Shaden Abu baker: Tubular Adenoma with a Concurrent Fibroadenoma: A Rare Disease with a Rare Occurrence. College of American Pathologists 2021 (CAP21), September 25, 2021
9. **Anwar Rjoop**, Marwa Barukba , Omar Al Rousan: A rare case of post COVID-19 hemophagocytic lymphohistiocytosis in a pediatric patient. American Society for Clinical Pathologists ASCP2021, October 27, 2021
10. **Anwar Rjoop**, Bashar Al-Smadi, Mallak Abdalaziz Banihamad, Mirza Shabsough, Salahaldeen Alzyood, Mohammad Alorjani, Ahmed S. Shatnawi. Navigating the Landscape of

Building an Educational Pathology Digital Slide Library: An Institutional Experience. GDigiHealth.KEE2024 conference, Abu Dhabi. September 26-28, 2024

11. **Anwar Rjoop**, Mohammad A. Zaied, Bassel Al-Rabadi, Layla Gharib, Moath Naser, Reem A. Tayih, Rula A. Alshimi . Navigating the Digital Landscape: Telemedicine and e-Health Utilisation in Non-Communicable Diseases in the Arab World: A Systematic Review. GDigiHealth.KEE2024 conference, Abu Dhabi. September 26-28, 2024

### **Oral presentations at national and international conferences:**

1. **Anwar Rjoop**, Giovanni Insuasti-beltran, Daisy Alapat; Occult myeloid sarcoma with ASXL1 mutation. Society for Hematopathology/European Association for Haematopathology 2017 workshop Conference, September 2017, case number 28
2. **A Rjoop**, G Post, S Pandey, J Ramos, D Alapat: Pediatric Chronic myeloid leukemia (CML) in pediatric population: Two cases with unusual presentations. International Academy of Pathology XXXII congress, October 2018.

### **Invited speaker:**

1. Introduction to transfusion medicine. International Pathology School, The Royal College of Pathologists, in collaboration with the Jordan University of Science and Technology. 29th-30th January 2021.
2. Transfusion in cancer patients, International medical conference (X), Jordan, May 2022.
3. Patient safety: methods & tools for avoiding errors in the health system. The First International Conference of the Patient Protect Coalition (PPC), Jordan, June 2022.
4. Platelet Transfusion in adults: challenges and outcomes 10th International Conference of the Royal Medical Services. Dead sea, Jordan. March 2023
5. Overview of transfusion transmitted diseases and methods of prevention 1 st Jordanian international convention of transfusion and hematopoietic stem cells, Amman, Jordan, March/2023
6. 2022 Guidelines for the Management of Transfusion Dependent thalassaemia (TDT) Thalassaemia International Federation, Amman, Jordan, March/2023.

## Administration

### University Administration/Committees

- Member of Faculty's AI in medical education Committee (JUST) 2025-present
- Faculty representative at University Council (JUST) 2025-present
- Department representative at Medicine Faculty Council (JUST) 2024-Present
- Member of Faculty's medical conference Committee (JUST) 2024-present
- Member of the university Institutional Review Board (IRB) (JUST) 2024-present
- Member of the Faculty's initiatives and activities Committee (JUST) 2024-present
- Member of the Faculty's social Committee (JUST) 2023-2024
- Blood bank committee (KAUH) 2023-present
- Jordan Board of Pathology, exam sub-committee member 2022-present
- Transfusion service and blood bank medical director (KAUH) 2021- present
- Apheresis lab instructor (UAMS) 2019-2020
- Lab and pathology service line junior director 2015-2016

## Community services

- Jordan National television interview about blood donation in Jordan 7/1/2024
- Jordan radio interview about blood bank and blood donation 18/12/2023
- Blood donor international appreciation day at KAUH 22/6/2023
- Jordanian American Physician Association (JAPA) academy educator 8/2023
- Blood school: Platelet apheresis donation campaign- JUST 7/4/ 2023
- Medical awareness at King Abdullah II School For Excellence/ Irbid 1/11/2018

## Other Skills

### Languages

- **Arabic:** Native language.
- **English:** Speaks fluently and read/ write with high proficiency.

### Computer Skills

- **Applications:** MS Word, MS Excel, MS PowerPoint.
- **Statistical Software:** IBM SPSS Statistics.
- **GraphPad software (Prism), Image Pro.**

## Professional Affiliations

- Jordanian Society of Pathology (JSP)
- College of American Pathologists (CAP)
- American Society for Clinical Pathology (ASCP)
- Association for the Advancement of Blood & Biotherapies (AABB)

## Scholarship and Honor Awards

- **5/2018** UAMS pathology research symposium (first place winner)
- **5/2014** Resident award/Queen of O&P
- **2011-2012** Group coordinator/medical school
- **2002-2008** 35<sup>th</sup> order from 350 students on Faculty of Medicine
- **2001/2002** First order on Assareih Secondary School during 12 levels (Irbid-Jordan)

## National and international workshops:

- Lung cancer and Artificial intelligence/ diagnostic and scientific updates, 21/7/2024, King Abdullah II university Hospital, Irbid, Jordan.
- Critical Value Management, 31/10/2024, King Abdullah II university Hospital, Irbid, Jordan.
- Glioma day, 11/10/2024, King Abdullah II university Hospital, Irbid, Jordan.
- Research Ethics in the Digital Age: Ethical Challenges Associated with Scientific Research in the Era of Technology and Big Data, 20-21/024, Jordan University of Science and Technology, Irbid, Jordan
- Artificial Intelligence Applications in Education: How AI Can Be Used to Enhance Learning and Teaching Experiences, 21-23/12/2024, Jordan University of Science and Technology, Irbid, Jordan
- Interprofessional Education in Health Sciences, 28-29/02/2024, Jordan University of Science and Technology, Irbid, Jordan
- Good clinical practice, NIDA Clinical Trial Networks, 22/11/2023, online course.
- 7<sup>th</sup> international congress for the Jordanian Society of Pathologists, 31 August-02 September 2023, Amman, Jordan.
- 10<sup>th</sup> international conference of the royal medical services, Platelets Transfusion: an update on challenges and outcomes, 7-10 March 2023, Dead Sea, Jordan.
- Interprofessional Education in Health Sciences, 28-29/02/2024, Jordan University of Science and Technology, Irbid, Jordan
- Optimizing Advanced NSCLC Biomarker Testing, Treatment and Management: A free virtual summit for interprofessional cancer care teams. American Society for Clinical Pathology, 02/21/2023
- E-learning media/website creating and hosting on JUST server, 13-15/10/2022, Jordan University of Science and Technology, Irbid, Jordan

- 2022 Pathology update, 09/10/2022, University of Arkansas for medical science, AR, USA, live activity.
- 2021 Pathology update, 09/11/2022, University of Arkansas for medical science, AR, USA, live activity.
- 20EL-529-L:AABB COVID Convalescent Plasma (CCP): Donor Recruitment Considerations, May,5, 2020, live activity.  
32nd International Congress of the International Academy of Pathology (IAP), 15-18 October 2018, Dead Sea, Jordan.
- 04th Annual Meeting of USCAP, 21 – 27 March 2015, Hynes Convention Center, Boston, MA, USA.
- Pediatric Pathology, the 18th King Hussein Cancer Center (KHCC) Symposium, a collaboration between KHCC and Arab Division of the International Academy of Pathology (AD-IAP), 12th July, 2009, Amman, Jordan.
- Liver Diseases: Diagnostic Pathology with Clinical Focus, a clinicopathological workshop. 8th-9th April 2009, King Abdullah University Hospital (KAUH), Irbid, Jordan.
- Basic life support 'BLS' course for 3 days, 2009, KAUH, Irbid, Jordan.

## **Referees**

### **Professor Jennifer Laudadio, M.D.**

Medical Director, Molecular Pathology

Director, Residency Training Program

Head of Department of Pathology

University of Arkansas for Medical Sciences

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### **Professor Ginell Post, M.D.**

Director, Hematopathology Fellowship Training Program

Department of Pathology University of Arkansas for Medical  
Sciences

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### **Gina Drobeno, M.D.**

Program Director, Culinary Medicine

Division Director, Transfusion Medicine

Associate Professor of Pathology, College of Medicine

University of Arkansas for Medical Sciences

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### **Professor Ismail Matalka, FRCPath**

School of Medicine & King Abdullah University Hospital

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