

Curriculum Vitae 2023

Personal Profile

Name: Rami S. Al-Azab.

Place and date of Birth: Jordan Dec.30th, 1969.

Mailing Address:

Department of Surgery-Division of Urology

King Abdullah University Hospital

Irbid -Jordan.

E-mail: rsazab@just.edu.jo

ramiazab@gmail.com

Current positions:

1. Associate professor of surgery-urology

Faculty of Medicine

Department of Surgery-Division of Urology

Jordan University of Science and Technology (JUST)

Irbid -Jordan.

2. Consultant urologist

King Abdullah University Hospital: 2005- present

3. President - Jordan Association of Urological Surgeons (JAUS)

March.2020 -present

4. Chair of the Graduate Medical Education Committee (GMEC) -

Faculty of Medicine- Jordan University of Science and Technology

2017- 2020

4- Jordanian urology board examiner: 2017-present

5- Member of the arab board of urology committee for training 2019-present

5. Arab Board examiner 2018- present
6. Chair of the scientific committee - Jordan Association of Urological surgeons (JAUS) 2014-2016, 2016-2020

Education:

High school: Salt Secondary School 1987 (rank 28 in Jordan in the General certification Exam).

Special Education: Pioneer Center for Gifted Students: 1984-1987, Rank 1.

Medical School MBBS degree: Faculty of medicine -University of Jordan 1987-1993.

Internship: Al-Hussein Hospital-Salt- Ministry of Health July.1993-June 1994.

Internal Medicine Locum: Jordan University Hospital Nov.1994-May 1995.

Surgical House Staff officer: Arab Medical Center-Amman May1995-June.1996.

Transitional year Resident: Seton Hall University -NJ-USA July 1996-June 1997.

Urology Training:

- **General Surgery Resident: - Jordan University of Science and Technology (JUST): July 1997-June 1998.**
- **Urology Resident: - Jordan University of Science and Technology (JUST): July 1998- June 2002.**

- **Urology Resident: -American University of Beirut (AUB):
July.2000-June.2001. Beirut-Lebanon**
- **Highest Specialty in Medicine: –Urology degree. Jordan
University of Science and Technology (JUST) June 2002.**
- **Jordanian board of Urology: - September 2002.**
- **Urological Oncology Fellow: Princess Margaret Hospital and
Cancer center, Toronto general Hospital, Toronto western
Hospital, University Health Network (UHN) University of
Toronto, Jan.2003- June. 2005. Society of Urological Oncology
(SUO) accredited program
Toronto-Canada
Clinical fellow of the year 2004**

Research:

- 1- Rami Al-Azab, Ants Toi, Neil Fleshner, Gina Lockwood, University of Toronto, ON Canada 2004;” Prostate volume is strongest predictor of cancer diagnosis at transrectal ultrasound-guided prostate biopsy with prostate-specific antigen values between 2.0 and 9.0 ng/mL” .

Urology. 2007 Jan; 69(1):103-7. , AUA 2004 and CUA poster presentation.

2- Rami Al-Azab, Hisham El-Ghamrawi, Neil Fleshner: “Predictors of Cancer Detection at second Trans-Rectal Ultrasound Prostate Biopsy” CUA poster presentation.

3- Rami Al-Azab, Hisham El-Ghamrawi, Neil Fleshner, University of Toronto, ON Canada;” The presence or the amount of PIN does not predict positive prostate rebiopsy”, 2005CUA podium presentation .

4- Neil Fleshner, Rami Al-Azab, Karen Hersey, University of Toronto, ON Canada,”the effect of supplementary soy on Bone mineral density in patients with advanced prostate cancer”, CUA 2004 poster presentation.

5-Neil Fleshner, Rami Al-Azab, Karen Hersey, University of Toronto, ON Canada,” the effect of supplementary soy on Quality of Life in patients with advanced prostate cancer”, CUA 2004 poster presentation.

6- Rami Al-Azab, Neil Fleshner, Joan Lipa , John Wiley, University of Toronto, ON Canada,” Feasibility of cavernous nerve grafting to restore sexual functions post radical cystectomy”.

7- Rami Al-Azab, Neil Fleshner, Karen Hersey,”Urinary proteomics as a marker of Transitional cell carcinoma” CUOG-Lilly Bladder Cancer Research Award 2003, Ongoing project.

8- Rami Al-Azab, Ants Toi, Gina Lockwood, and Neil Fleshner, Volume-Based Nomogram for Transrectal Ultrasound-Guided Prostate Biopsy

Among Patients with PSA levels between 2 and 10 ng/ml: Development and Internal Validation, Submitted for publication, and 2005 CUA poster presentation-Ottawa.

9- Fleshner E. Neil, Al-Azab S. Rami, Prostate cancer: chemoprevention update 2005. Can J Urol. 2005 Jun;12 Suppl 2:2-4. Review.

10- Girish S. Kulkarni, Rami Al-Azab, Gina Lockwood, Ants Toi, Michael A.S. Jewett, Antonio Finelli, John Trachtenberg, Andrew Evans, Joan Sweet and Neil E. Fleshner, Evidence for a biopsy derived grade artifact among larger prostate glands. J Urol. 2006 Feb; 175(2): 505-9. , Feb.2005.

11- Recovery of erectile function after unilateral and bilateral cavernous nerve interposition grafting during radical pelvic surgery. Satkunasivam R, Appu S, Al-Azab R, Hersey K, Lockwood G, Lipa J, Fleshner NE. Department of Surgical Oncology (Division of Urology), University Health Network, University of Toronto, Toronto, Ontario, Canada Journal of Urology, 2009 Mar;181(3):1258-63. Epub 2009 Jan 18.

12- Prostate cancer: chemoprevention update 2005. Fleshner N, Al Azab R. Department of Surgery (Urology), University Health Network and University of Toronto, Toronto, Ontario, Canada. Canadian Journal of Urology, 2005 Jun;12 Suppl 2:2-4.

Publication list during Assistant professorship

| No | Title | Journal | Authors | Date of publication |
|----|--|---|---|--|
| 1 | <i>Involvement of the prostate by chronic lymphocytic lymphoma, clinical and pathological characterization</i> | <i>Canadian Urological Association Journal</i> | <i>RAMI AL-AZAB, MD, MAHMOUD AYESH,NAJLA DAOUD,IBRAHIM GHALAYINI,MOHAMMAD ALGHAZO</i> | <i>Accepted for Publication on March.4th,2016</i> |
| 2 | <i>Telenephrology application in rural and remote areasof Jordan: benefits and impact on quality of life</i> | <i>Rural and Remote Health 16: 3646</i> | <i>R AlAzab, Y Khader</i> | <i>7 January 2016</i> |
| 3 | <i>Advanced Uropathy in a Child With Underactive Bladder: Unusual Presentation, Treatment, and Long-term Follow Up</i> | <i>Urology Case Reports 3 (2015) 37e39</i> | <i>Rami S. Alazab, Rola S. Saqan, Faris Abu Shamma</i> | <i>Dec.2014</i> |
| 4 | <i>Prostate diseases in the Middle East, a Clinical and pathological review at King Abdullah University Hospital-Jordan</i> | <i>Jordanian Medical Journal</i> | <i>Rami AlAzab, Khaled Keirallah, Haitham Tahat, and Ismail Matalka</i> | <i>Accepted for Publication on March.4th,2016</i> |
| 5 | <i>Evidence for a Biopsy Derived Grade Artifact Among Larger Prostate Glands</i> | <i>The Journal of urology, Volume 175, Issue 2, Pages 505–509</i> | <i>Girish S. Kulkarni, Rami Al-Azab, Gina Lockwood, Ants Toi, Andrew Evans, John Trachtenberg, Michael A.S. Jewett, Antonio Finelli, and Neil E. Fleshner</i> | <i>Feb,2006</i> |
| 6 | <i>Prostate Volume Is Strongest Predictor of Cancer Diagnosis at Transrectal Ultrasound-Guided Prostate Biopsy with Prostate-Specific Antigen Values Between 2.0 and 9.0 ng/mL</i> | <i>UROLOGY, UROLOGY 69: 103–107</i> | <i>Rami Al-Azab, Ants Toi, Gina Lockwood, Girish S. Kulkarni, and Neil Fleshner</i> | <i>2007</i> |
| 7 | <i>Recovery of Erectile Function After Unilateral and Bilateral Cavernous Nerve Interposition Grafting During Radical Pelvic Surgery</i> | <i>THE JOURNAL OF UROLOGY, Vol. 181, 1258-1263</i> | <i>Raj Satkunasivam, SreeAppu, Rami Al-Azab, Karen Hersey, Gina Lockwood, Joan Lipa and Neil E. Fleshner</i> | <i>March 2009</i> |
| 8 | <i>Prostate cancer: chemoprevention update 2005</i> | <i>Can J Urol.;12 Suppl 2:2-4.</i> | <i>Fleshner N, Al Azab R.</i> | <i>June.2005</i> |
| 9 | <i>Urodynamic Detrusor Overactivity in Patients with Overactive Bladder Symptoms</i> | <i>IntNeurorol J 2011;15:48-54</i> | <i>Mohammed A. Al-Ghazo, Ibrahim Fathi Ghalayini, Rami Al-Azab, Osama Bani</i> | <i>2011</i> |

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|----|---|--|---|-------------------------|
| | | | <i>Hani, Yousef S. Matani, Yazan Haddad</i> | |
| 10 | <i>Erectile dysfunction in a Mediterranean country: Results of an epidemiological survey of a representative sample of men</i> | <i>INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH,22, 196–203</i> | <i>IF Ghalayini, MA Al-Ghazo, R Al-Azab, I Bani-Hani1, YS Matani, A-E Barham, MNA Harfeil and Y Haddad</i> | <i>JANUARY 2010</i> |
| 11 | <i>Does the duration of infertility affect semen parameters and pregnancy rate after varicoelectomy?: a retrospective study</i> | <i>International Brazilian journal of urology, Volume: 37 , Issue: 6</i> | <i>Al-Ghazo,Mohammed A; Ghalayini, Ibrahim F; Al-Azab, Rami S; Bani-Hani, Ibrahim; Barham, Alaa;Haddad, Yazan</i> | <i>Jan.2011</i> |
| 12 | <i>Clinical Comparison of Conventional Testicular Sperm Extraction and Microdissection Techniques for Non-Obstructive Azoospermia</i> | <i>J Clin Med Res • 2011;3(3):124-131</i> | <i>Ibrahim Fathi Ghalayini, , Mohammed A. Al-Ghazo, Osama Bani Hani, Rami Al-Azab, Ibrahim Bani-Hani, Faheem Zayed, Yazan Haddad</i> | <i>2011</i> |
| 13 | <i>Hypertension Prevalence, Awareness and Control Levels among Ghawarna: An African-Descendant Ethnic Minority in the Jordan Valley</i> | <i>Ethnicity & Disease, Volume 25, Number 3</i> | <i>Khalid A. Kheirallah, PhD; Mohammed Liswi, MD; Rami Alazab, MD; ZeyadBataineh, MD; SukainaAlzyoud, PhD; JomanaAlsulaiman, MD; Hashem Jaddou, MD</i> | <i>Summer 2015</i> |
| 14 | <i>Emergency versus elective ureteroscopic treatment of ureteral stones</i> | <i>CUAJ • Volume 7, Issues 7-8</i> | <i>Yousef S. Matani, MD, FRCS; Mohammed A. Al-Ghazo, MD, FRCS; Rami S. Al-Azab, MD; Osamah Bani Hani, MD; Ibrahim F. Ghalayini, MD, FRCS; Ibrahim Bani Hani, MD, FRCS</i> | <i>July-August 2013</i> |
| 15 | <i>Emergency double-J stent insertion following uncomplicated Ureteroscopy: risk-factor analysis and recommendations</i> | <i>International braz j urol: 39(2):203-208</i> | <i>Matani Yousef,Mohammed A Al-Ghazo, Rami Alazab, DaherRabadi</i> | <i>April 2013</i> |
| 16 | <i>Do all patients with newly diagnosed prostate cancer need staging radionuclide bone scan? a retrospective study</i> | <i>International braz j urol, , Volume 36, Issue 6</i> | <i>Al-Ghazo, Mohammed A; Ghalayini, Ibrahim Fathi; Al-Azab, Rami S; Bani-Hani, Ibrahim; Daradkeh, Mohammad S</i> | <i>12/2010</i> |
| 17 | <i>Emergency ureteroscopic lithotripsy in acute renal colic caused by ureteral calculi: a retrospective study</i> | <i>Urological Research, Volume 39, Issue 6</i> | <i>Al-Ghazo, Mohammed A; Ghalayini, Ibrahim Fathi; Al-Azab, Rami S; Bani Hani, Osamah; Bani-Hani, Ibrahim; AbuHarfil, Mohammad; Haddad, Yazan</i> | <i>12/2011</i> |
| 18 | <i>Vesicocutaneous fistula presenting as a thigh abscess</i> | <i>Singapore Medical Journal 50(9):e336</i> | <i>Banihani M N, AL-Azab R S, Waqfi N R, Kharashgah M N, AL Manasra AR A</i> | <i>2009</i> |

Research publications during Associate professorship

| | <i>Title</i> | <i>Journal</i> | <i>Authors</i> | <i>Date of publication</i> |
|---|--|---|--|----------------------------|
| 1 | Adherence to guidelines in the follow-up of non-muscle-invasive bladder cancer among urology trainers and trainees in Jordan: a cross-sectional study New Article | Annals of Medicine and Surgery DOI: 10.1097/MS9.0000000000000413 | Rami Alazab Mohammad Al- Zubi, Saddam Al Demour | April 2023 |
| 2 | Does post-void residual urine volume affect potential recurrence risk for non-muscle invasive bladder cancer? | Future Science OA DOI: 10.2144/fsoa-2022-0045 | Mohammad Talal Al-Zubi Saddam Al Demour Samer Fathi Al-Rawashdah, Rami AlAzab [...] | January 2023 |
| 3 | Kidney Tumor Detection and Classification Based on Deep Learning Approaches: A New Dataset in CT Scans | Journal of Healthcare Engineering 2022(1):1-22 DOI: 10.1155/2022/3861161 | Dalia Alzu'bi Malak A. Abdullah Ismail Hmeidi Laith Abualigah Rami Alazab[...] | October 2022 |
| 4 | Repeated microdissection testicular sperm extraction in patients with non-obstructive azoospermia: Outcome and predictive factors | Arab Journal of Urology 20(4):1-7 DOI: 10.1080/2090598X.2022.2028066 | Ibrahim Ghalayini Rami Alazab Omar Halalsheh Mohammed Al-Ghazo | January 2022 |
| 5 | Stress urinary incontinence among Jordanian women living in rural areas: Prevalence, associated factors and self-management behaviours | Arab Journal of Urology 19(4):1-4 DOI: 10.1080/2090598X.2021.1926751 | Rami Alazab Reema Alomari Yousef Saleh Khader Muntaha Gharaibeh | May 2021 |

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| 6 | Recommendations and algorithm to deal with urological surgeries in the Middle East during COVID-19 Pandemic: Review article and regional expert opinion | Palestinian Medical and Pharmaceutical Journal 5(2):133-139 DOI: 10.59049/2790-0231.1080 | Faris Abushamma Ahmad Jaradat Rami Alazab Omar Aboumarzouk [...] | April 2020 |
| 7 | Metastatic Perivascular Epithelioid Cell Tumor of the Kidney: A Case Report with Emphasis On Response to The Tyrosine-Kinase Inhibitor Sunitinib | Research and Reports in Urology Volume 11:311-317 DOI: 10.2147/RRU.S226005 | Rami Alazab Mohammed Alorjani Firas E Sahawneh Sana Al-Sukhun | November 2019 |
| 8 | ERG expression in prostate cancer biopsies with and without high-grade prostatic intraepithelial neoplasia: a study in Jordanian Arab patients | Research and Reports in Urology Volume 11:149-155 DOI: 10.2147/RRU.S207843 | Najla Helmi Aldaoud Ashley Graboski-Bauer, Nour Abdo Kiril Trpkov | May 2019 |
| 9 | Overactive bladder and associated psychological symptoms: A possible link to vitamin D and calcium: | Neurourology and Urodynamics 38(3) DOI: 10.1002/nau.23975 | Khalid Abdul-Razzak Osama Y. Alshogran Shoroq Altawalbeh, Rami AlAzab Feras E. Sahawneh [...] | March 2019 |
| 10 | Testicular histopathology as a predictor of sperm retrieval, quality of sperm and ICSI outcome in patients with non-obstructive azoospermia: In addition to correlation to FSH as a strong non-invasive and independent predictor | European Urology Supplements 16(13): e3001-e3004 DOI: 10.1016/S1569-9056(17)32132-2 | Faris Abushamma Rami Alazab Mohammed Z Allouh R. Abu Shamleh | December 2017 |

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|----|--|---|---|-----------------------|
| 11 | THE IMPACT OF USING BOTULINUM TOXIN-A ON URINARY TRACT INFECTION IN PATIENTS WITH OVERACTIVE BLADDER | Research Journal of Medical Sciences 11(4):186-190 | Rola Saqan Ameer Alaraji Rami Alazab Wasim Khasawneh | September 2017 |
| 12 | Case of Compartment Syndrome in the Scrotum and Inguinal Area Complicating Idiopathic Nephrotic Syndrome of Childhood | Urology Case Reports 15(C):5-7 DOI: 10.1016/j.eucr.2017.07.005 | Rola Saqan Rami Alazab Mohammed Z Allouh | August 2017 |
| 13 | Xanthogranulomatous Orchitis: Rare Case with Brief Literature Review | Urology Case Reports 13(C):92-93 DOI: 10.1016/j.eucr.2016.12.006 | Rami Alazab Hamzah Ghawanmeh Radwan Al-Okour Mohammad Al-Ghazo | July 2017 |
| 14 | Prostate cancer in Jordanian-Arab population: ERG status and relationship with clinicopathologic characteristics. | Virchows Archiv A Pathological Anatomy and Histology DOI: 10.1007/s00428-017-2160-9. | Najla Helmi Aldaoud Nour Abdo Samir M Al Bashir Kiril Trpkov | May 2017 |
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ONGOING RESEARCH:

- 1. PSA-Dynamics post transurethral ultrasound guided prostate biopsy as a predictor of biopsy outcome.**

A prospective study started October 2008, division of urology-King Abdullah University Hospital-Jordan University of Science and Technology.

- 2- Prostate disease data base: generating prostate disease data base in northern Jordan for future analysis. Division of urology-King Abdullah University Hospital-Jordan University of Science and Technology.**
PSA-Campaign " Prevalence of prostate cancer in Jordan, A prospective population based screening program started August.2009, Division of urology-King Abdullah University Hospital-Jordan University of Science and Technology.
- 3- Sexual dysfunction in the Middle East, An epidemiological questionnaire based surveillance, Division of urology-King Abdullah University Hospital-Jordan University of Science and Technology.**
- 4- Relation between the duration of infertility and the outcome of varicocele surgery. Division of urology-King Abdullah University Hospital-Jordan University of Science and Technology.**
- 5- Chronic Lymphocytic Leukemia recurring as Prostate gland infiltrate, Case- series Division of urology and Department of medicine-King Abdullah University Hospital-Jordan University of Science and Technology.**
- 6- B-cell Lymphoma presenting as an isolated adrenal mass, Division of urology and Department of medicine-King Abdullah University Hospital-Jordan University of Science and Technology.**
- 7- Incidence of urethral stricture post open heart surgery: prevention and characterization of risk factors.**
- 8- Cavernosogram in patients with erectile dysfunction: a paradigm for diagnosis and treatment.**
- 9- Erectile dysfunction after pelvic surgery; should Cavernosogram be incorporated in the initial post operative work-up?**
- 10- Case report: a case of kesselman syndrome presenting as a left adrenal mass.**

11. Metastatic Perivascular Epithelioid Cell Tumor of The Kidney: A Case Report with Emphasis on Response to The Tyrosine-Kinase Inhibitor Sunitinib

Research and Reports in Urology, Research and Reports in Urology 2019:11 311–317

Rami S AlAzab¹ Mohammed S Alorjani² Firas E Sahawneh¹ Sana Al-Sukhun³ ¹ Urology Division, Department of Surgery, Faculty of Medicine, Jordan University of Science and Technology, Irbid, Jordan; ² Department of Pathology and Microbiology, Faculty of Medicine, Jordan University of Science and Technology, Irbid, Jordan; ³ Oncology Practice, Hyatt Medical Center, Amman, Jordan,

Academic Activities :

- 1- Introductory Course coordinator for fourth year medical students 2005-2016**
- 2- Surgery Rotations coordinator –fourth year medical students, 2005-2006, 2006-2007, 2008-2009. Sixth year surgery coordinator 2009-2010.**
- 3- Scientific and conferences committee- faculty of Medicine-Jordan University of Science and Technology.**
- 4- Urology annual workshop Moderator, faculty of Medicine-Jordan University of Science and Technology 2005-2006.**
- 5- Surgery fourth and sixth year Examination committee 2005-Present.**
- 6- Department of Surgery social committee. September.2005-present.**

- 7- King Abdullah University Hospital JCIAA committee, General policies committee, Patient education Committee.**
- 8- Tumor committee- King Abdullah University Hospital: Responsible for Cancer treatment protocols, medications and multidisciplinary committee for selected cases.**
- 9- Faculty of Medicine-Jordan University of medicine self-assessment report editor and reviewer.**
- 10- Educational development center- task force and foundation committee.**
- 11- Medical filing and documentation committee- King Abdullah University Hospital.**

Awards:

- 1- CUOG-LILLY Bladder Cancer research award on 2003. “Urinary proteomics as a marker of Transitional cell carcinoma”.**
- 2- Clinical Fellow of the year: Robson research day award for clinical Fellows Categories, Department of Surgery-urology, University of Toronto, Toronto –Canada, April 1, 2004.**

References:

1- Professor Neil E. Fleshner, MD FRCS(C), MPH, Chief – Department of urology, University Health Network-University of Toronto, Ontario-Canada.

Neil.fleshner@uhn.on.ca

2- Professor Michael Jewett, MD FRCS(C), Urology division, University Health Network-University of Toronto, Ontario-Canada.

Michael.jewett@uhn.on.ca

3- Mohammed. A. Bulbul, MD FRCS(C), American University of Beirut, Beirut – Lebanon. mb14@aub.edu.lb