

# CURRICULUM VITAE

## Personal Information

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## Current Academic Position

### **Professor of Pathology**

Department of Pathology, Faculty of Medicine, Minia University, Egypt

2025 – Present

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## Academic Qualifications

- **MD (Doctorate) in Pathology**, Faculty of Medicine, Minia University, Egypt  
Joint supervision program with Harvard University, USA — **2014**
- **MSc in Pathology**, Faculty of Medicine, Minia University, Egypt — **2006**
- **MBBCh**, Faculty of Medicine, Minia University (Very Good) — **December 2001**

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## Previous Academic and Clinical Positions

- Associate Professor of Pathology, Faculty of Medicine, Minia University (2019–2025)
- Lecturer of Pathology, Faculty of Medicine, Minia University (2014–2019)
- Assistant Lecturer of Pathology, Minia University (2007–2014)
- Fellow, Molecular Genetic Research Unit, Department of Pathology, Brigham and Women's Hospital, Harvard Medical School, USA (Oct 2009 – Oct 2011)
- Demonstrator of Pathology, Faculty of Medicine, Minia University (2003–2007)
- House Officer (Internship), Minia University Hospital (2002–2003)

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## Teaching Experience

- Teaching undergraduate medical students (Years 1–3), Faculty of Medicine, Minia University
  - Teaching postgraduate residents and assistant lecturers in pathology and clinical departments
  - Teaching undergraduate students of:
    - Faculty of Dentistry
    - Faculty of Pharmacy
    - Faculty of Clinical Pharmacy
    - Faculty of Nursing
    - Minia National University (Medicine, Dentistry, Pharmacy, Physiotherapy)
  - Teaching theoretical pathology, gross pathology, and histopathology interpretation
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## Clinical and Diagnostic Experience

- Histopathology consultant, Minia University Hospital
  - Histopathology consultant, Minia University Hospital for Obstetrics & Gynecology and Children
  - Surgical pathology specimen handling and reporting
  - Immunohistochemistry interpretation
  - Gynecological and obstetric pathology
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## Research and Laboratory Experience

- PCR, qPCR, RT-PCR, TaqMan copy number assays
  - NanoString nCounter CNV assays
  - Genome-Wide Human SNP Array 6.0
  - Copy number variation (CNV) analysis
  - Genotyping Console (GTC), Golden Helix, and Nexus software
  - DNA extraction and purification
  - Tissue culture techniques
  - Molecular genetics and cancer research
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## Computer Skills

- Microsoft Word, Excel, PowerPoint, Access
- Microsoft Windows

- Adobe Photoshop
  - Internet and communication tools
  - International Computer Driving License (ICDL)
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## Languages

- Arabic: Native
  - English: Very good (TOEFL iBT)
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## Professional Memberships

- Egyptian Society of Pathology
  - Egyptian Society of Laboratory Medicine
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## Research Interests

- Molecular pathology of human neoplasia
  - Immunohistochemistry
  - Surgical histopathology
  - Cytogenetics
  - Tissue culture
  - PCR-based molecular techniques
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## Publications

1. Toni ND, Abd El-Meguid RF, Abd El-Moneim HM and Tawfik HM (2013). BRCA1 Immunohistochemical Study of Serous Ovarian Cancer. *Minia Journal of Medical Research* 24(4): 70-83.
2. Abdel-Hafeez EH, Ahmed AK, Abdellatif MZM, Kamal AM and Toni NDM (2016). The Efficacy of Pomegranate (*Punica granatum*) Peel Extract on Experimentally Infected Rats with Blastocystis Spp. *Journal of Infectious Diseases & Preventive Medicine*; 4(1):1-6.
3. Abdelzaher WY, Abdel-Gaber SA and Toni NDM (2016). The effect of diacerein versus sulfasalazine on acetic acid induced ulcerative colitis in rats. *MJMR*; 27(2):1-8.
4. Abdelzaher WY, Labib DAA, Toni NDM (2017). The Role of Zileuton in Indomethacin-Induced Gastric Ulceration in Pyloric-Ligated Diabetic Rats. *Egyptian Journal of Basic and Clinical Pharmacology*; 7(1): 1-13. Abdelzaher WY, Bahaa HA, Toni NDM, Sanad AS. (2018). Protective effect of montelukast in prevention of endometrial hyperplasia in rats. *International Immunopharmacology* 62:326–333.

5. Abdelzaher WY, Bahaa HA, Toni NDM, Sanad AS. (2018). Mechanisms underlying the protective effect of montelukast in prevention of endometrial hyperplasia in female rats. *Journal of International Immunopharmacology* 62; 326–333.
6. Mohammed MM, EL-Heiny AA, Zaazou MMT, Mohamed AAE, Toni NDM, Khalil ZI (2018). Nontraditional criteria for prediction of patient survival following pancreaticoduodenectomy for malignancy. *The Egyptian Journal of Surgery*, 37:368–374.
7. Huwait HF, Nassir AM, Abd Elmoneim HM, Kamel HFM, Toni NDM, Babtain NA, Barhamain AS, Malibari AS, Munassar SF, Rawa RS and Kufiah AZ (2018). Clinical Significance and Potential Utility of Cancer Stem Cell Markers: ALDH1A1 and CD133 in Prostate Tumors. *Int. J. Cancer Res*; 14 (1): 39-51.
8. Ali FF, Abdel-Hamid HA and Toni NDM (2018). H<sub>2</sub>S attenuates acute lung inflammation induced by administration of lipopolysaccharide in adult male rats. *Gen. Physiol. Biophys*; 37, 421–431.
9. Ghany HSA, Abu Samraa MF, El-Saieed M, Gerges AS, Hasan EI, Abdel Rahman A, Toni NDM (2018). Role of DW-MRI and ADC value in monitoring therapy of head and neck squamous cell carcinoma. *Egyptian Journal of Radiology and Nuclear Medicine*; 49: 1030-1035.
10. Ragy MM, Abdel-Hamid HA, Toni NDM (2019). Pathophysiological changes in experimental polycystic ovary syndrome in female albino rats: Using either hemin or L-arginine. *J Cell Physiol*. 234; 8426-8435.
11. Ragy MM., Ali FF, Toni NDM (2019). Comparing the preventive effect of sodium hydrosulfide, leptin, and curcumin against L-arginine induced acute pancreatitis in rats: role of corticosterone and inducible nitric oxide synthase. *Endocrine Regulations*, 53(4):221-230.
12. Abdel-Hamid HA, Zenhom NM and Toni NDM (2019). Melatonin reduced endometrial hyperplasia induced by estradiol in female albino rats. *General Physiology and Biophysics*; 38: 63-71.
13. Mohamed FEZA, Osman NAA and Toni NDM (2019). Evaluation of TLR9 and TRAF6 Expressions in Invasive Ductal Carcinoma of the Breast. *Egyptian Journal of Pathology*; 39: 171–179.
14. Abd-Elghany MI, Mohamed FEZA , Toni NDM and Boshra MS (2019). GATA binding protein 3 and androgen receptor expressions in invasive breast cancer : the relationship with molecular phenotypes, disease progression, and survival outcomes. *Egyptian Journal of Pathology*; 39:212–227.
15. Toni NDM, Tawfik HM, Abd El-Rehim DM and Marey HI (2019). Evaluation of SOX9 Expression in Hepatocellular Carcinoma: An Immunohistochemical Study. *MJMR*; 28(3):144-153.

16. Mohamed FEZA, Khalil EI and Toni NDM (2020). Caveolin-1 Expression Together with VEGF can be a Predictor for Lung Metastasis and Poor Prognosis in Osteosarcoma. *Pathology & Oncology Research* 26:1787–1795.
17. Abdel-Hamid HA, Abdel-Hakeem EA, Zenhom NM, Toni NDM (2020). C-peptide corrects hepatocellular dysfunction in a rat model of type 1 diabetes. *Journal of Physiology and Biochemistry*. 76; 417-425.
18. Ibrahim YF, Toni NDM, Thabet K, Hegazy AR, Bahaa HA (2020). Ameliorating effect of tocilizumab in letrozole induced polycystic ovarian syndrome in rats via improving insulin resistance and down-regulation of VEGF/ANGPT/PDGF. *Minia Journal of Medical Research* 31 (1), 336-353.
19. Hassan HF, Toni NDM, Meligi NM (2021). Toxicity Induced by Indoxacarb Exposure in Male Albino Rats and The Possible Protective Effects of Vitamin C and Zinc. *Egypt. Acad. J. Biolog. Sci.*, 13(2):155-176.
20. Ibrahim YF, Alorabi M, Abdelzاهر WY, Toni NDM, Thabet K, Hegazy A, Bahaa HA, Batiha GE, Welson NM, Morsy MA, Venugopala KN, Abdel-Aziz AM (2022). Diacerein ameliorates letrozole-induced polycystic ovarian syndrome in rats. *Biomedicine & Pharmacotherapy*, 149;1-13.
21. Abd Elmoneim HM et al. (2022). Identifying novel targetable chromosomal alterations in ovarian cancer : Using Germline Copy Number Variation Association Analysis. *Scientific Journal of King Faisal University*; 23(2):1-8.
22. Toni NDM, Saleh RK, Abdelhafeez DA, Aref WFM and Ismail W (2022). Assessment of the Renal Vascular Lesions in Diabetic Patients. *MJMR*: 33(4); 202-212.
23. Saleh RK, Toni NDM, Abd El-Rehim DM, Aref WFM, Ismail W (2022). Assessment of the Tubulointerstitial Lesions in Diabetic Patients. *NeuroQuantology*; 20(8): 1065-1072.
24. Fathi AM, Waz S, Alaaeldin E, Toni NDM, El-Sheikh AAK, Sayed AM, Abdelmohsen UR, Nazmy MH (2023). Blackberry-Loaded AgNPs Attenuate Hepatic Ischemia/Reperfusion Injury via PI3K/Akt/mTOR pathway. *Metabolites*. 13(3):419-443.
25. Abdel-Hamid HA et al. (2023). Leptin alleviated ovarian ischemia-reperfusion injury in rats via modulation of Sirt-1/Nrf2 and TLR4/NF-kB/caspase-3 signaling pathways. *Endocrine Regulations*. 57(1); 25-36.
26. Ibrahim ST, Kamel MF, Abd Elghany MI, Toni NDM (2023). Immunohistochemical Study of PDL-1 Expression in Urinary Bladder Carcinoma. *Minia Journal of Medical Research*. 34(2):107-115.

27. Kasem AW, Abdel Meguid RF, Tawfik H, Mohamed RK, Toni NDM (2023). Immunohistochemical Expression of CD44 in colorectal carcinoma. *Minia Journal of Medical Research*, 34(4):167-178.
28. Kasem AW, Abdel Meguid RF, Tawfik H, Toni ND, Mohamed RK (2023). Immunohistochemical Expression of ALDH1A1 & CD44 in Colorectal Carcinoma. *Eur. Chem. Bull.*, 12(Special Issue 4), 4095-4108.
29. Mohamed ND, Abdelhafeez DAH, Mohamed RK and Abd Elghany MI (2023). Immunohistochemical Study of ALDH1 in Colorectal Adenocarcinoma. *MJMR*: 34(1); 289-295.
30. Mohamed DMT, Tawfik HM, Gayyed M, Toni N, Ali ME (2024). Study of Immunohistochemical Expression of NUSAP1 in Clear Cell Renal Cell Carcinoma. *Minia Journal of Medical Research*, 2024.
31. El-Hussieny M, Thabet DM, Tawfik HM, Gayyed MF, Toni ND (2024). The Overexpression of NUSAP1 and GTSE1 Could Predict Unfavourable Prognosis and shorter Disease Free Survival in ccRenal Cell Carcinoma. *Asian Pac J Cancer Prev*, 25 (7), 2551-2559.
32. Moussa RA, Abdallah ZF, Aboalsoud M, Toni NDM (2024). Evaluation of KRAS, BRAF, PIK3CA Gene Mutations and MMR Deficiency in Colorectal Carcinoma Patients. Accepted (in press) *Egyptian Journal of Pathology*.
33. Abdelmeguid RF, Abd El-Rehim DM, Sayed HY, **Toni NDM** (2024). Immunohistochemical Analysis of ADAM8 Expression in Colorectal Adenocarcinoma. *Minia Journal of Medical Research*. (In press).
34. Toni NDM, Tawfik HM, Abdel Zaher AM (2025). Eyes Absent Homolog 2 (EYA2) in Breast Cancer: The Relationship with Molecular Phenotyping and Survival Outcomes. *Egyptian Journal of Pathology*. 45(2): 123–130.
35. Sayed HY, Abdelmeguid RF, Abd El-Rehim DM, Osman NAA, **Toni NDM** (2025). Role of Lyn Immunohistochemical Staining in Progression of Colorectal Carcinoma. *Asian Pacific Journal of Cancer Prevention*. 26(3): 943-948.