Curriculum Vitae (CV)



Prof. Dr. Melad Naim Boshra Eskender Kelada
Melad N. Kelada
Professor of Human Anatomy & Embryology.
Department of Human Anatomy & Embryology
Faculty of Medicine, Alexandria University.
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Faculty of medicine, Beirut Arab University, Beirut, Lebanon.

Personal Information:

Name: Melad Naim Boshra Eskander Kelada
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- ORCID: 0000-0001-9065-4523.
- Scopus author`s ID: 57202229021

- Google scholar profile link:

  https://scholar.google.com/citations?hl=ar&user=Ou9dOgoAAAAJ&view_op=list_works&gmla=AJsN-F4tGnYoVyoE0TGT6-rKH8lFSjhEPLhvdYPWBYwLB_eE57B6VcHo6uWhOCb-StJwNLlNyqk6fJLvxyzrUL2epLDXDeqgxAQM0SFHyTZMYjqZVDgJhUk.

- **Web of Science Researcher ID: AGS-1962-2022**

Education:

- **Ph. D** degree of basic medical sciences in anatomy, accurate specialty is Cytogenetics. Thesis "In vitro assessment of the cytotoxicity and genotoxicity of methyl mercury chloride " discussion of the thesis on 15 July 2012.
- Master degree of Basic Medical Sciences in Anatomy.
  June 2008. With general grade Very good. Thesis "Anatomical study of the radial artery "discussion of the thesis on 21st April 2008. Was accepted from faculty of medicine council on 15 – 7-2008 and accepted from Alexandria university council on 23 – 9 – 2008.
- M.B., CH.B. In September 2001 with general grade Excellent with honor.
- General Secondary School Certificate in 1995 with 385/400 marks; 96.25%.

Title of Master Thesis:

"Anatomical study of the radial artery"

Title of Ph.D. Thesis:

"In vitro assessment of the cytotoxicity and genotoxicity of methyl mercury chloride."

Teaching Experience:

- Teaching Human Anatomy and Embryology for undergraduate medical students at Faculty of Medicine, Alexandria University. Since 2004 till 2024.
- Teaching Human Anatomy and Embryology for post-graduate medical students at Alex. Faculty of Medicine. Since 2004 till 2024.
- Course coordinator for neurosurgery master students from 2014 till 2024.
- Course coordinator for emergency master students from 2014 till 2024.
- Teaching Human Anatomy and Embryology for undergraduate medical students at Faculty of Medicine, Beirut Arab University, Beirut, Lebanon since 2024 till now.
- Teaching Human Anatomy and Embryology for postgraduate medical students at Faculty of Medicine, Beirut Arab University, Beirut, Lebanon since 2024.
- Teaching Human Anatomy and Embryology for undergraduate Dentistry students at Faculty Dentistry, Beirut Arab University, Beirut, Lebanon since 2024 till now.

Research Expertise:

A. Anatomy: Cadaveric vascular injection, casting & teratology studies.
Embalming techniques, dissection experience since2003 till now especial as regards vascular anatomy, arterial perforators in head and neck and thoracic areas with a respected plastic surgery researches published in impacted international journals.

B. Cytogenetics: Chromosomal analysis (Karyotyping) from: Lymphocyte culture; With a special experience in the banding technique gained from three years' work for the ph D thesis in " Alexandria regional centre for women`s health and development" under supervision and heading of professor Dr. Shawky Mahmoud Tayel .

C. Experimental research. Worked as a director of the animal house of anatomy department, Faculty of medicine, Alexandria University since 2014 till now and worked as assistant director for experimental embryology lap. In the same department since 2014 till now.

D. Main investigator in three projects of researches

1. **Anatomy Dissection** researches with researches published (annals of plastic surgery, anatomy research international, Egyptian journal of anatomy and world journal of surgical oncology, BMC Musculoskeletal Disorders)
2. **Experimental animal** researches with researches published in (Egyptian journal of histology, Biological trace element research
3. **Medical education researches** (recent ongoing research)

N.B. Further details are shown in publication section.

E. Master thesis supervision:

I. Anatomy master thesis supervision.

1. "TERATOGENICITY AND GENOTOXICITY OF FORMALDEHYDE IN PREGNANT MICE" by Aliaa Mohamed Tawfik Abdel-motaleb El-Alkamy. Accepted and discussed at 2017.

2. "THE TERATOGENIC EFFECT OF VENLAFAXINE ON EMBRYOS OF ADULT PREGNANT ALBINO RATS AN ANATOMICAL AND BIOCHEMICAL STUDY" by Lobna Mohammed .M. Ali Abd El Mottelib. Accepted and discussed at 2017.

3. "Therapeutic effect of adipose derived mesenchymal stem cell transplantation on cuprizone model of multiple sclerosis" by MONA ABDELFATH MOKHTAR MOHMED BARKAT. Accepted and discussed at 2019.
4. “PROTECTIVE EFFECT OF PLATELET-RICH PLASMA ON CISPLATIN INDUCED NEPHROTOXICITY IN ADULT MALE ALBINO RATS: (HISTOLOGICALAND IMMUNOHISTOCHEMICAL STUDY)” by Mona Mohammed Rabah Mosa El-Mallah. Accepted and discussed at 29-6-2022.

5. “THE THERAPEUTIC EFFECT OF MESYNCHYMAL STEM CELLS AND ALFACALCIDOL ON CISPLATIN INDUCED NEPHROTOXICITY IN ADULT MALE ALBINO RATS” by Dina Saad Fahmy Dawood. 14-8-2024

6. “THE POSSIBLE PROTECTIVE EFFECT OF VITAMIN E AND MELATONIN ON CYCLOPHOSPHAMIDE INDUCED OVARIAN FAILURE IN ADULT FEMALE BLACK MICE” by Reham Abdelfatah Youssef Menesy. Accepted and discussed at 13-8-2024.

II. Neuro surgery master thesis supervision:

“STUDY OF THE SAFE ENTRY ZONES TO LUMBAR DISC THROUGH TRANSPSOAS APPROACH (CADAVERIC STUDY)”By Ahmed Mohamed Mohamed Abdelaziz Elrahmany.Accepted and discussed at 21-7-2020.

F. Ph D thesis supervision:

1. Anatomy ph. D. thesis supevision:

THE THERAPEUTIC EFFECTS OF INTRA-ARTICULAR INJECTION OF PLATELET-RICH PLASMA VERSUS CORTICOSTEROID IN INDUCED OSTEOARTHRITIC KNEES OF ALBINO RATS" by Basma Abd ElMoneim Mohamed Mady

Accepted and discussed 5/7/2021

2. **Plastic surgery ph. D. thesis supervision:**

"COMPARATIVE CLINICAL STUDY BETWEEN CONVENTIONAL AND VENOUS SUPER-DRAINED POSTERIOR INTEROSSEOUS ARTERY FLAP FOR HAND RECONSTRUCTION AND ANATOMICAL STUDY OF POSTERIOR INTEROSSEOUS ARTERY COURSE AND PERFORATORS" by Youssef Adel Youssef Eltohfa. Accepted and discussed 13-9-2020.

Employment and work experience:

- House Officer at Alexandria University Hospitals for one year from 1-3-2002 to 28-2-2003.
- General practitioner at Ministry of health from April 2003 to October 2010
- Anatomy demonstrator at faculty of medicine from 5 October 2003 to 23 September 2008.
- Assistant lecturer at faculty of medicine from 29 november 2008 to 30 September 2012.
- Lecturer at Anatomy department, Faculty of Medicine, Alexandria University from 30 September 2012.

- Assistant professor at anatomy department, Faculty of Medicine, Alexandria University from 28 October 2020 till 30 June 2026.
- Professor of Anatomy and Embryology, Anatomy department, Faculty of Medicine, Alexandria University from 30 June 2026.
- director of the animal house of anatomy department , Faculty of medicine , Alexandria university since 2014 till 2024.
- Assistant director for experimental embryology lap. of anatomy department , Faculty of medicine , Alexandria university since 2014 till 2024.

Conference and workshops experience:

- Successful completion of the Windows and Internet course. Sixteen hours course. February 2000, New Horizons Computer Learning Center Alexandria, Egypt.
- Satisfactory completion of Interactive Presentation workshop 21st – 22nd December 2005.
- Attendance of International Symposium on Plastination, being held in faculty of Veterinean Medicine, Zagazig University, Egypt 12-18 February, 2006.

- Attendance of **multidisciplinary sessions on the Heart on the** 1st and 2nd of November 2008. **Being held in medical photography hall, Faculty of Medicine, Alexandria University.**

- Attendance of workshop on **"An overview of the Grants Arena finding funding and writing winning proposals**" Wednesday 10th Jun, 2009. **Being held in medical photography hall, Faculty of Medicine, Alexandria University.**

- Attendance of **Association of Breast Surgery Conference** (**ABS)** being held in Belfast UK, May 15 and 16, 2017. Sharing with e poster titled "Design of mini latissimus dorsi flap based on thoracodorsal vascular patterns."

- Share as a member of the organizing committee in the "1st **annual international conference of human anatomy and embryology in collaboration with Egyptian Anatomical Society** (EAS) held on 14-15 September 2017. **Being held in the main conferences hall Faculty of Medicine, Alexandria University.**

- Share as a member of the organizing committee in the " **2nd annual international conference of human anatomy and embryology in collaboration with women`s health**

promotion society held on 10-11 September 2018. Being held in the main conferences hall Faculty of Medicine, Alexandria University.

- Attendance of **ENHCA 7th annual conference** being held in Hilton green plaza, Alexandria 27th -28th June 2019. Heading (Nutrition hot topics updates and debates in every day practice).

- Attendance and successful completion of hands on workshop titles
  "**2nd animal modeling workshop hands on** "held in physiology department laboratory, 12-13 October 2019.
- Attendance of the first international conference of Medical Biochemistry in collaboration with Hematology Department (7th Departmental Integrated Conference) on May 26th, 2022, main conference hall, Faculty of Medicine, Alexandria University.

- Attendance of workshop on **open access for Egypt**, being held on 30 may 2022. Under supervision of Egyptian Knowledge Bank (EKB) and Science, Technology and Innovation funding Academy (STDF).

- Attendance of conference of "**Advances in Reproductive Physiology and new technologies "15 Mars 2023. Being**

held in the main conference hall Faculty of Medicine, Alexandria University.

- Attendance of **Annual Scientific Conference of Alexandria Clinical Oncology Department**, 15-17 November 2023, being held in Alexandria library.

- Attendance of annual conference of Anatomy and Embryology Department 2024 "**Artificial Intelligence in Anatomy teaching and research"** held on 14 February 2024. Being held in the main conferences hall Faculty of Medicine, Alexandria University.

- Conducting and demonstrating the workshop of "**Albino Rat dissection**" held in 15 February in Experimental Anatomy lap, Anatomy and Embryology Department, Faculty of Medicine, Alexandria University. As part of the second day of annual conference of Anatomy and Embryology Department 2024 "**Artificial Intelligence in Anatomy teaching and research"**
- Attending the annual conference of Faculty of Medicine Alexandria university heading **"Alexandria Faculty of Medicine Centers of Excellence: between the present and the future**" being held in convention center Faculty of medicine Alexandria University 2-3 March 2024.

- Attendance of workshop “Artificial Intelligence Revolutionizing Health Professions Education Empowering Faculty for the Digital Era” Saturday and Sunday September 21 & 22, 2024 from 10.00 AM to 12.00 PM, CLT. Online on Zoom. Under the Patronage of Prof. Dr. Wael Nabil Abdel Salam, President of Beirut Arab University mediated by the medical education department at Alexandria Faculty of Medicine, Alexandria University, Egypt.

- attendance of “The 6th Annual Congress: The North Lebanon Pulmonary Society (N.L.P.S)” organized by The Lebanese Order of Physicians-Tripoli (LOPT), In collaboration with Beirut Arab University- Faculty of Medicine (BAUFM). Saturday February 22,2025. Beirut Arab University, Tripoli Campus, Lebanon.
- Attendance of “Trauma in Medicine” conference. 7th of May 2025, Jamal Abdel Nasser Hall- Beirut Campus- Faculty of Medicine, Beirut Arab University, Beirut, Lebanon.
- Attendance of the Fourth Medical Education conference "The Next Wave of Medical Education: Redefining Healthcare in the AI Era" September 19-20, 2025 at LAU Beirut and Byblos campuses.

Publications:

1. Melad Naim Bushra, Shawky Mahmoud Tayel, Shirley Hilal El-Maasarany, and Amany Mahmoud El-Agwany. In vitro assessment of cytotoxicity and genotoxicity of methyl mercury chloride. Egyptian journal of medical science. 33 (1) June 2012:21-37.

2. *Ehab Elzawawy*, *Melad Kelada*, *Ahmed Alkarmouty*. *New possible surgical approaches* for the *submammary adipofascial flap based* on *its arterial supply*. European Journal of Surgical Oncology (EJSO).Volume 42, Issue 5, May 2016, Pages S2–S3 (only the abstract is published her.)

3. **Ehab M. Elzawawy, Melad N. Kelada, and Ahmed F. Al Karmouty. New Possible Surgical Approaches for the Submammary Adipofascial Flap Based on Its Arterial Supply.** Anatomy Research International. Volume 2016, Article ID 7696010, 10 pages.

4. Ehab Elzawawy, Melad Kelada, Ahmed Alkarmouty. **Design of mini latissimus dorsi flap based on thoracodorsal vascular patterns.** European Journal of Surgical Oncology (EJSO). **May 2017**Volume 43, Issue 5, Page S12. DOI: https://doi.org/10.1016/j.ejso.2017.01.057 . (ONLY the abstract was published her)

5. Elzawawy EM, Kelada MN, Al Karmouty AF. Design of Mini Latissimus Dorsi Flap Based on Thoracodorsal Vascular Patterns. Ann Plast Surg. 2018 Jun; 80(6):607-615. Doi: 10.1097/SAP.0000000000001403.

6. Ahmed F. Al Karmouty, Ahmed E. Shaaban, Ehab M. Elzawawy, Melad N. Kelada. AN ONCOPLASTIC APPROACH USING INFRAMAMMARY TRANSPOSITION FLAP TO REPLACE PARTIAL MASTECTOMY DEFECTS. *Int. J. Adv. Res. 6(3), XX-XX* ArticleDOI:10.21474/IJAR01/xxxDOIURL:http://dx.doi.org/10.21474/IJAR01/xxx

7. Mona. A Barkat ,Amany El-Agawany ,Ayman Ahmed Khanfour, Melad N. Kelada ,Iman Nabil , Doaa Ali Abdelmonsif, Abeer. E Dief. The potential therapeutic effect of adipose tissue- derived mesenchymal stem cell transplantation on cuprizone model of multiple sclerosis in mice. The Egyptian journal of histology.2020: 43(1):122-43.

8. Melad N. Kelada; Fardous Ahmed Al-Kalaa; Aliaa Mohamed El-Alkamy; Magdy Mamdouh El-Bordiny . ASSESSMENT OF FORMALIN TERATOGENICITY ON EMBRYOS OF PREGNANT ALBINO RATS. The Egyptian journal of histology. 2020: 43(1):173-85.

9. Melad N. Kelada; .El Sayed Ali Metwaly; Maha Diaa ELl deen Safwat; Lobna Mohammed Abd El Mottelib. ASSESSMENT OF THE POTENTIAL GENOTOXICITY AND CARDIAC TERATOGENICITY OF VENLAFAXINE ON EMBRYOS OF PREGNANT BLACK MICE.The Egyptian Journal of Histology. 2020: 43(3):732-47.

10. Rasha R. Salem, Melad NB Kelada. A BIOCHEMICHAL AND ULTRASTRUCTURAL STUDY ON THE EFFECT OF TOLUENE ON THE PARS DISTALIS OF ANTERIOR PITUITARY GLANDS OF ADULT MALE ALBINO RATS. The Egyptian journal of histology. 2020: 43(3):948-59.

11. Melad N Kelada, Elsayed A M Metwally, Ahmed F Al Karmouty, Heba Allah M Z Jaheen. The anatomical basis for the possible internal mammary artery perforators flaps. The Egyptian Journal of Anatomy. ***2020; 43(1): 209-221. DOI: 10.21608/EJANA.2019.20141.1053***

12. Melad N Kelada, Elsayed A M Metwally. The posterior auricular flap: anatomical basis. The Egyptian Journal of Anatomy.

13. Ahmed M ElRahmany, Ehab H Zidan, Mohamed M Agamy,Melad NBE Kelada. The **Safe Entry Zones through the Transpsoas Approach to Lumbar Discs: A Cadaver Study. Egy spine j. 2020: 35: 75-84.**

14. Noha M. Zahran, wafaa A. Ahmed, Basma A. Mady, melad N. kelada**.** Effects of intra-articular corticosteroid versus platelet- rich plasma on induced knee osteoarthritis in adult albino rats. Histological and anatomical study**.** The Egyptian journal of histology. 2022: 45(2):468-587. DOI: 10.21608/EJH.2021.70354.1455
Received on 31 March 2021, Accepted on: 14 May 2021 and published on line: 29 July 2022.

15. Melad N. Kelada, Rasha R. Salem, Youssef A. Eltohfa, Naser A. Ghozlan and Hassan M. Kholosy. Posterior interosseus artery flap for hand reconstruction: anatomical basis and clinical application. BMC musculoskeletal disorders. 2022: 23:662. https://doi.org/10.1186/s12891-022-05630-0

https://rdcu.be/cRvkL

Received on: 12 April 2022, accepted on: 4 July 2022 and Published on line: 12 July 2022.

16. Ehab M. Elzawawy and Melad N. Kelada. Posterior intercostal flap; an anatomical study and best flap design. World Journal of Surgical oncology 2022. 20: 244. https://doi.org/10.1186/s12957-022-02711-1

https://rdcu.be/cSBlI

Received19 : April 2022, Accepted 16 July 2022 and Published on line 28 July 2022. DOI: 10.1186/s12957-022-02711-1

17. Melad N. Kelada , Amany Elagawany, Nancy Mohamed El Sekily, Mona El mallah. Maha W. Abou Nazel. Protective effect of platelet-rich plasma on cisplatin induced nephrotoxicity in adult male albino rats: histological and immunohistochemical study. Biological Trace Element Research. 2023: 201 : https://doi.org/10.1007/s12011-023-03742-9

https://rdcu.be/dgpvg

Received22 April 2023, Accepted19 June 2023 and Published on line 07 July 2023. DOI https://doi.org/10.1007/s12011-023-03742-9

18. Melad N.Kelada, Marwa Mahmoud Mady, Sally Mahmoud Mohamed Hussein Omar. Assessment of the developmental toxicity of acrylamide in albino rats and the possible protective effect of vitamin E: A morphological animal study. Eur J Anat. 2025: 29 (1): 15-28. https://doi.org/10.52083/GPPU3994.

Submitted: March 3, 2024. Accepted: July 7, 2024.

19. Melad N. Kelada, Basma A. Mady, Eman I. Anwar, Marwa Abd ElAziz, Manal Ahmed Ali and Lobna M.M.A. Abd El Mottelib . The Possible Protective Role of Quercetin and Selenium alone versus in combination on carbamazepine-induced teratogenicity in albino rats: A morphological and histopathological study. The Egyptian journal of histology 2026:49 (1):262-280.

DOI: 10.21608/ejh.2025.335330.2169

Received on 19 November 2024, Accepted on: 17 March 2025.

20. Melad N. Kelada, Abdelghany Hassan Abdelghany, Dina Saad Dawood, Walaa Omar, Marwa Mahmoud Mady. The Possible Protective Effect of Mesenchymal Stem Cells and Alfacalcidol in Cisplatin Induced Acute Kidney Injury in Adult Male Albino Rats. Eur J Anat. 2026: 30(2):199-222. https://doi.org/10.52083/JBGQ7788

21. Ehab Mostafa Elzawawy, Hassan Reda Hassan Elsayed, Marwa Mahmoud Mady, Mennatallah H. Rizk, Saleh Riyadh Almuktar, Abdullah kamal Al-hajjar, Karim Ahmed Alsherbini, Melad N. Kelada. Perceived Effectiveness and Preferences of Medical Students Toward Blended Learning in Anatomy: A Multi-institutional cross-sectional study. BMC Med Educ 2025, 25:1688 https://doi.org/10.1186/s12909-025-08336-8.

https://rdcu.be/eTXvb.

22. Melad N. Kelada, Elsayed Aly Mohamed Metwally, Reham Abelfatah Menesy, Inass Ibrahim Zaki, Heba G. Ibrahim, Mohamed Gamal Ayoub. The possible protective effect of vitamin E and Melatonin on cyclophosphamide-induced ovarian failure in adult female C57BL/6 mice: Histological and immunohistochemical study. Int J Anat Res 2025;13(4):9395-9412. DOI: 10.16965/ijar.2025.263

Type of Publication	**Number of Publications**
Original research articles	22
Articles in International Refereed Journals	14
Conference Papers	2

Others (specify) share in writing, editing of Human Anatomy and Embryology Department books for students in Faculty of Medicine, Faculty of Pharmacy, Faculty of nursing and Faculty of dentistry.

Citation Source Number of Citations

Scopus 48

Google scholar 92

H-index - 6

I10 index - 3

Reviewer for the following journals:

1. **Microsurgery**
2. **Animal Models and Experimental Medicine**
3. **Surgical and Radiological Anatomy**
4. **Health Science Reports**