

### **Curriculum vitae**

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- <https://scholar.google.com/citations?hl=ar&user=ptMUyRAAAAAJ>
- H index 16.
- I index 22.

#### **Employment Grades in Egypt:**

- Rotating house officer in Mansoura University Hospitals from Mar. 1998 till Feb. 1999.
- Member of the Egyptian Syndicate of Medicine from March 1999.
- Demonstrator in Clinical Pharmacology Department–Faculty of Medicine – Mansoura University from May 1999.
- Assistant Lecturer in Clinical Pharmacology Department–Faculty of Medicine – Mansoura University from May 2004.
- Lecturer in Clinical Pharmacology Department–Faculty of Medicine –Mansoura University from 27 April 2010.
- Associate professor in Clinical Pharmacology Department– Faculty of Medicine – Mansoura University from 26/4/2017.
- Professor in Clinical Pharmacology Department– Faculty of Medicine – Mansoura University from 26/4/2022.
- Worked as an associate professor (from 1/4/2019 until 1/5/2022), as a professor (from 1/5/2022 until 30/9/2023), and as Head of the clinical pharmacy department (from 1/9/2022 until 30-9-2023) at the clinical pharmacy department, Delta University for Science and Technology, Egypt.
- [Head of the clinical pharmacology department, Faculty of Medicine, Horus University from 1-10-2023 until now.](#)

#### **Published papers and books:**

- 1) Effect of single IV dose of frusemide on cardiac autonomic activity (experimental study), Mansoura Medical Journal, 2003.
- 2) Effect of Pioglitazone on Adenine-induced Renal Failure in Rats, Mansoura Medical Journal 2011.
- 3) Effect of Artesunate on Atherosclerosis in Experimentally Induced Nephrotic Syndrome in Rats. Indian journal of applied research, Volume: 4, issue: 2, Feb 2014, pages.
- 4) Potential antioxidant and anti-inflammatory effects of Hyphaena thebaica in experimentally induced inflammatory bowel disease. African journal of pharmacy and pharmacology, vol 7(26); 1834-1840; 2013.
- 5) Effect of high dose of vitamin D on a rabbit model of atherosclerosis. International journal of immunopathology and pharmacology, Vol. 27, no. 2, 2014, page 189-195.
- 6) Ameliorating effect of combination of simvastatin and residronate on glucocorticoid induced osteoporosis model in rats. African journal of pharmacy and pharmacology, Vol. 9 (28), pp. 701-710, 29 July, 2015.
- 7) Biochemical and Histological Impact of Direct Renin Inhibition by Aliskiren on Myofibroblasts Activation and Differentiation in Bleomycin induced Pulmonary Fibrosis in Adult Mice. Tissue and cell 47 (2015) 373-381.
- 8) Pregabalin, gabapentin and nifedipine in pentylenetetrazol-kindled mice. Asian journal of biochemical and pharmaceutical Sciences, 5(50), 2015, 21-24.S0), 2015, 21-24.
- 9) Potential impact of urocortin I on sperm count, motility and sex hormone profiles in normal adult rats. African journal of pharmacy and pharmacology, Vol. 10 (32), pp 665-669, 2016.

- 10) Phenytoin: Is it genotoxic in isolated cultured human lymphocytes without metabolic activation by S9? African journal of pharmacy and pharmacology Vol. 10(41), pp. 865-872, 8 November 2016.
- 11) Rifampicin for Idiopathic Granulomatous Lobular Mastitis: A promising alternative for treatment. World Journal of surgery 2017.
- 12) Impact of liraglutide versus atorvastatin on cardiovascular changes in rat model of adenine induced chronic renal failure. African journal of pharmacy and pharmacology, Vol. 11(3), pp. 53-61 29, January 2017.
- 13) Effects of Testosterone Replacement on Insulin Sensitivity, Blood Glucose, Serum Lipids and Vitamin D Concentration in a Rat Model of Andropause. International Journal of Clinical and Experimental Medical Sciences, 2017; 3(3): 30-35.
- 14) The possible beneficial effects of L- carnitine on the pregnancy outcome and fetal development in female rats with type 1 diabetes mellitus. Ain shams medical journal. Vol. 69, no., 7, 8 & 9 (2018).
- 15) The Possible Effect of DHEA on Hepatic and Metabolic Dysfunction in a Rat Model of Male Hypogonadism. Med. J. Cairo Univ., Vol. 87, No. 7, December: 4769-4776, 2019.
- 16) Modulatory effect of concomitant administration of sitagliptin and vitamin E on inflammatory biomarkers in rats fed with high fat diet: role of adiponectin. J Physiol Pharmacol. 2019 Dec;70(6). doi: 10.26402/jpp.2019.6.13. Epub 2020 Mar 20. PMID: 32203939.
- 17) Celastrol augments sensitivity of NLRP3 to CP-456773 by modulating HSP-90 and inducing autophagy in dextran sodium sulphate-induced colitis in rats. Toxicol Appl Pharmacol. 2020 Aug 1;400:115075. doi: 10.1016/j.taap.2020.115075. Epub 2020 May 26. PMID: 32470352.
- 18) Effect of Artesunate vs Memantine in Aluminum Chloride Induced Model of Neurotoxicity in Rats. Advances in Alzheimer's Disease, 2020, 9, 1-19.
- 19) Impact of Hydroxychloroquine on Fructose-induced Metabolic Syndrome in Rats: Promising Protective Effect. Open Access Macedonian Journal of Medical Sciences. 2020 Apr 15; 8(A):153-159.
- 20) Vildagliptin, a DPP-4 inhibitor, attenuates carbon tetrachloride-induced liver fibrosis by targeting ERK1/2, p38 $\alpha$ , and NF- $\kappa$ B signaling. Toxicol Appl Pharmacol. 2020 Nov 15; 407:115246. doi: 10.1016/j.taap.2020.115246. Epub 2020 Sep 19. PMID: 32956689.
- 21) Prophylactic effect of aquatic extract of stevia on acetic acid induced-ulcerative colitis in male rats: a possible role of Nrf2 and PPAR $\gamma$ . J Basic Clin Physiol Pharmacol. 2020 Oct 8:/j/jbcpp.ahead-of-print/jbcpp-2020-0039/jbcpp-2020-0039.xml. doi: 10.1515/jbcpp-2020-0039. Epub ahead of print. PMID: 33035185.
- 22) The protective effect of Lactobacillus versus 5-aminosalicylic acid in ulcerative colitis model by modulation of gut microbiota and Nrf2/Ho-1 pathway. Life Sci. 2020 Sep 1; 256:117927. doi: 10.1016/j.lfs.2020.117927. Epub 2020 Jun 8. PMID: 32526285.
- 23) Role of Renin Angiotensin System in Isoproterenol-Induced Myocardial Infarction in Male Rats', Bulletin of Egyptian Society for Physiological Sciences, (2021), pp. 316-330. doi: 10.21608/besps.2020.39860.1073
- 24) Thymoquinone, but not metformin, protects against gentamicin-Induced nephrotoxicity and renal dysfunction in rats. Appl. Sci. 2021, 11, 3981. <https://doi.org/10.3390/app11093981>
- 25) The therapeutic role of lactobacillus and montelukast in combination with metformin in diabetes mellitus complications through modulation of gut microbiota and suppression of oxidative stress. Int Immunopharmacol. 2021 May 13; 96:107757. doi: 10.1016/j.intimp.2021.107757. Epub ahead of print. PMID: 33991997.
- 26) A Novel Combination Therapy Using Rosuvastatin and Lactobacillus Combats Dextran Sodium Sulfate-Induced Colitis in High-Fat Diet-Fed Rats by Targeting the TXNIP/NLRP3 Interaction and Influencing Gut Microbiome Composition. Pharmaceuticals 2021, 14, 341. <https://doi.org/10.3390/ph14040341>.
- 27) Albendazole-loaded cubosomes interrupt the ERK1/2-HIF-1 $\alpha$ -p300/CREB axis in mice intoxicated with diethylnitrosamine: A new paradigm in drug repurposing for the inhibition of hepatocellular carcinoma progression, Biomedicine & Pharmacotherapy, Volume 142, 2021, doi.org/10.1016/j.biopha.2021.112029.
- 28) Blunting p38 MAPK $\alpha$  and ERK1/2 activities by empagliflozin enhances the antifibrotic effect of metformin and augments its AMPK-induced NF- $\kappa$ B inactivation in mice intoxicated with carbon tetrachloride, Life Sciences, Volume 286, 2021, 120070, ISSN 0024-3205, <https://doi.org/10.1016/j.lfs.2021.120070>.
- 29) Contribute in editing and composition of Mansoura Clinical Pharmacology book For Medical Students from 2011 until now.
- 30) Coomassie brilliant blue G-250 dye attenuates bleomycin-induced lung fibrosis by regulating the NF- $\kappa$ B and NLRP3 crosstalk: A novel approach for filling an unmet medical need, Biomedicine & Pharmacotherapy, Volume 148, 2022, 112723, ISSN 0753-3322, <https://doi.org/10.1016/j.biopha.2022.112723>.

- 31) The dynamic interplay between AMPK/NFκB signaling and NLRP3 is a new therapeutic target in inflammation: Emerging role of dapagliflozin in overcoming lipopolysaccharide-mediated lung injury, *Biomedicine & Pharmacotherapy*, Volume 147, 2022, 112628, ISSN 0753-3322, <https://doi.org/10.1016/j.biopha.2022.112628>.
- 32) Nifuroxazide-loaded cubosomes exhibit advancement in pulmonary delivery and attenuate bleomycin-induced lung fibrosis by regulating the STAT3 and NF-κB signaling: A new challenge for unmet therapeutic needs, *Biomedicine & Pharmacotherapy*, Volume 148, 2022, 112731, ISSN 0753-3322, <https://doi.org/10.1016/j.biopha.2022.112731>.
- 33) Early forecasting of COVID-19 case progression with hematological and biochemical parameters of patients in Egypt. *Pak J Pharm Sci.* 2022 Mar;35(2):401-408. PMID: 35642394..
- 34) Carbocisteine as a Modulator of Nrf2/HO-1 and NFκB Interplay in Rats: New Inspiration for the Revival of an Old Drug for Treating Ulcerative Colitis. *Front. Pharmacol.*, 08 June 2022. <https://doi.org/10.3389/fphar.2022.887233>
- 35) Pimipitespib, an HSP90 inhibitor, augments nifuroxazide-induced disruption in the IL-6/STAT3/HIF-1α autocrine loop in rats with bleomycin-challenged lungs: Evolutionary perspective in managing pulmonary fibrosis. *Biomedicine & Pharmacotherapy*, Volume 153, 2022, 113487. <https://doi.org/10.1016/j.biopha.2022.113487>
- 36) Ambroxol, a mucolytic agent, boosts HO-1, suppresses NF-κB, and decreases the susceptibility of the inflamed rat colon to apoptosis: A new treatment option for treating ulcerative colitis. *FASEB J.* 2022 Sep;36(9):e22496. doi: 10.1096/fj.202200749R. PMID: 35947115.
- 37) A novel therapeutic combination of dapagliflozin, *Lactobacillus* and crocin attenuates diabetic cardiomyopathy in rats: role of oxidative stress, gut microbiota, and PPARγ activation. *European Journal of Pharmacology*. Volume 931, 15 September 2022, 175172. <https://doi.org/10.1016/j.ejphar.2022.175172>
- 38) Diacetyl-rhein, an anthraquinone antiarthritic agent, suppresses dextran sodium sulfate-induced inflammation in rats: A possible mechanism for a protective effect against ulcerative colitis. *Biomedicine & Pharmacotherapy* 154 (2022) 113651. <https://doi.org/10.1016/j.biopha.2022.113651>.
- 39) The effects of *Hyphaena thebaica* and *Lactobacillus* in dextran sodium sulphate-induced ulcerative colitis in rats. *Delta University Scientific Journal* Vol.05-Iss.02 (2022) 201-213.
- 40) Innovative challenge for the inhibition of hepatocellular carcinoma progression by combined targeting of HSP90 and STAT3/HIF-1α signaling, *Biomedicine & Pharmacotherapy*, Volume 158, 2023, 114196, ISSN 0753-3322, <https://doi.org/10.1016/j.biopha.2022.114196>.
- 41) Formulation and microbiological ancillary studies of Gemifloxacin proniosomes for exploiting its role against LPS acute pneumonia model. *Journal of Drug Delivery Science and Technology*, 2023.
- 42) Mirtazapine, an atypical antidepressant, mitigates lung fibrosis by suppressing NLRP3 inflammasome and fibrosis-related mediators in endotracheal bleomycin rat model, *Biomedicine & Pharmacotherapy*, Volume 161, 2023, 114553. <https://doi.org/10.1016/j.biopha.2023.114553>.
- 43) Valuable effects of *Lactobacillus* and citicoline on steatohepatitis: role of Nrf2/HO-1 and gut Microbiota. *AMB Express* (2023) 13:57 <https://doi.org/10.1186/s13568-023-01561-8>.
- 44) Vinpocetine and *Lactobacillus* improve fatty liver in rats: role of adiponectin and gut microbiome. *AMB Expr* 14, 89 (2024). <https://doi.org/10.1186/s13568-024-01731-2>

#### **Development programs for faculty members and leaders**

1. university teacher preparation course session (43) of 7/7/2001-7/8/2001
2. Effective communication skills program -15 hours of 28-30-/9/2004
3. Program Code of Ethics -15 hours of 2-3-/10 / 2004
4. Methods of scientific research program -20 hours of 25-27/9/2004
5. Leadership Development Institute in Helwan during 26/11-1/12/2004
6. Program system of credit hours -15 hours of 16-18/8/2009
7. Program quality standards in the teaching process -15 hours of 12-14/7 / 2009
8. Competitive research projects program -15 hours of 18-20/6/2012
9. The ethics of scientific research program -15 hours of 2-4/9/2012
10. Program financial and legal aspects in universities -15 hours of 7-9/10/2012
11. University administration program -15 hours of 4-7/11/2012
12. Strategic Planning Program -15 hours of 25-27/11/2012

13. Organizing scientific conferences -15 hours of 23-25/12/2012
14. Managing the research team-21, 22/9/2020.
15. Designing personal websites for faculty members on 26, 27/9/2020.
16. digital transformation on 23, 24/11/2020.
17. Managing and cataloging references electronically on 9,10/1/2021.
18. Exam systems and student assessment on 28, 29/11/2020.
19. Crisis and disaster management on 21, 22/2/2021.

#### **Supervision on thesis:**

- Master thesis titled "Updates in Pharmacotherapy of cerebral Ischemic Stroke" and discussed in 2014.
- MSc titled "Exploring the possible neuroprotective effects of a leukotrienes pathway inhibitor in mice model of Parkinson's disease"
- MD titled " Synergistic Effect of Curcumin and 5-Fluorouracil on MAPK Pathway in CaCo2 human Colon Cancer Cells".
- MD titled "Mitogen-Activated Protein Kinase 2 Relevance for the in-vitro Chemo-Sensitivity and Clinical Response in Children with Acute Lymphoblastic Leukemia in Mansoura University Hospitals".
- Msc in Clinical pharmacy" Clinical study evaluating the effect of Gabapentin on kidney function following laparoscopic sleeve gastrectomy for morbid obese patients"

#### **Discussion of thesis**

- MSc thesis titled" Evaluation of the ameliorative potential of some compounds against experimentally induced lung disease(s)" at June 2020.

#### **Memberships:**

- Egyptian Society of Clinical Pharmacology.

#### **Teaching Experience:**

- Undergraduate:
  - Experimental course, Clinical cases and therapeutic programs in clinical pharmacology for Medical student in 3rd year, Faculty of Medicine, Mansoura University.
  - PBL for Semester 3 (respiratory disorders) & 4 (neurological disorders) and 5 (Endocrinal and metabolic disorders) in Manchester-Mansoura Medical Program 2010/2011, 2011/2012, 2012/2013, 2018/2019
  - Clinical pharmacology for clinical pharmacy program in Mansoura Faculty of Pharmacy, level 5, Semester 9 with clinical training 2011/2012, 2012/2013.
  - Pharmacology for students of faculty of dentistry
  - Pharmacology for faculty of nursing
  - Pharmacology diploma for faculty of nursing
  - Hospital pharmacy, pathophysiology, pharmacy practice 1 and 2, Pharmacoeconomics, therapeutic 1 and 2, Drug information, community pharmacy, management of renal and endocrine disorders, management of oncological disorders, Clinical Pharmacokinetics, Management of Neuropsychiatric Diseases, Management of critical care Patients, Management of dermatological, reproductive and musculoskeletal diseases, Management of Pediatric diseases, Management of Cardiovascular Disease, Management of Gastrointestinal Diseases, Management of Respiratory Diseases, Clinical Research and Pharmacovigilance, Professional Practice and Clinical Skills, Geriatric pharmacotherapy, Pharmacogenomics and precision pharmacy for level 3, 4 and 5 at Faculty of pharmacy, Delta university for science and technology.
- Postgraduate:
  - Curriculum for 1st part of Msc in Internal Medicine, pediatrics, general surgery, critical care, orthopedics and urology in Faculty of Medicine, Mansoura University.
  - Endocrine and GIT course for GIT and endocrine PhD.
- Coordinator of scientific file of clinical pharmacology Department pertaining seminars, training courses and workshop

#### **Attendance of:**

1. Symposium of Diabetes and its complication held at Mansoura- Kafr Elsheikh. Egypt on 8-9/6/2000.
2. Conference on Quality assurance in scientific research held at Mansoura-Alexenderia on 17-19/3/2004.
3. The 9th Egyptian French Seminar and workshop on Immunology and Molecular biology. Advances in immune and cell therapy hold on March 2-7, 2005, in Mansoura faculty of Medicine.

4. Conference on new trends in medical education and evaluation held at Mansoura-Alexenderia on 18-20/5/2006.
5. Conference on New trends in Mansoura Medical School held at Mansoura-Alexenderia on 24-28/4/2007.
6. 1st Annual conference of MERC, (Stem cell and regeneration Medicine) in Mansoura faculty of Medicine held on 8/4/2010.
7. 2nd international conference of sleep medicine held on 28-29/7/2010, SDBU, Faculty of Medicine, Mansoura University.
8. 6th annual scientific conference of Anesthesia and Surgical intensive care Dep. Mansoura University. Update in Anesthesia, ICU and pain for Geriatric pateints held at Hawar Sporting Club. Mansoura 28-29-2010.
9. 2nd Annual conference of MERC, (Nanotechnology and Stem cell transplantation in regenerative Medicine). 28-29/9/2010
10. 4th international Delta conference in pediatric, Menufia-Egypt in collaboration with Pediatric department of faculty of medicine and pediatric department –National Liver institute, Menufia University held on 12/7/2011.
11. 5th annual scientific conference of Mansoura Physiology department "recent advances in obesity" held on 5/4/2011 in Mansoura faculty of Medicine
12. 14th international conference of clinical oncology Alex Dept ACOD in Alexandria Four seasons Hotel, Alexandria, Egypt, held on 26-28/10/ 2011.
13. 4th annual Mansoura Rheumatology and Immunology Conference "Immunology of rheumatic diseases" Mansoura faculty of Medicine held on 13-14/10/ 2011.
14. Continuous medical education unit, "chronic renal failure" held on the 19th of December 2011 in Mansoura faculty of Medicine
15. 6th annual scientific conference of Mansoura Physiology department "Neovascularization from basic science to clinical application" held on 10/4/ 2012 in Mansoura faculty of Medicine
16. Continuous medical education unit, "approach to cancer patients" held on the 1st of April 2012 in Mansoura faculty of Medicine
17. First E-Learning conference "Frontiers and Challenges". held on 19/1/ 2012, in Mansoura faculty of Medicine
18. Regular scientific meeting of Hemodialysis unit, section 3, Mansoura University Hospital entitled "Renal emergencies". held on 14-15/3/2012 in Mansoura faculty of Medicine
19. The 14th Egyptian-French Seminar of Immunology and Molecular biology; Recent Advances in autoimmune Diseases. Educational course hold on 27-29th 2011 in Mansoura faculty of Medicine.
20. workshop of laboratory accreditation in toxicological analysis hold on 4/4/ 2012 in Mansoura faculty of Medicine
21. Regular scientific meeting of Dept 3 Rheumatology and immunology unit, Mansoura university Hospital "Lupus Day" held on 16-17/5/ 2012 in Mansoura faculty of Medicine
22. 7th annual conference, Mansoura faculty of Medicine, Internal Medicine Dept. Specialized Medical Hospital "recent diagnostic and therapeutic modalities of some hepato-endocrinal diseases" hold on Mansoura-Portsaid 12-13/4/ 2012.
23. Scientific meeting of Oncology center-Mansoura university (OCMU) "Cancer prevention day" held on 16/5/2012 in Mansoura faculty of Medicine
24. 1st Delta Multiple sclerosis Day in collaboration with the Egyptian society of neurology, psychiatry and neurosurgery society hold on 31/5/ 2012 in Ramada Hotel, Mansoura faculty of Medicine.
25. 15th Meeting of Delta association of dermatology and andrology diseases holds in Mansoura faculty of medicine, at 22/6/2012.
26. Continuous medical education unit, "Female sexual arousal dysfunction" held on the 26/6/2012 in Mansoura faculty of Medicine
27. 1st Delta Stroke Day in collaboration with the Egyptian society of neurology, psychiatry and neurosurgery society hold on 28/6/2012 in Ramada Hotel, Mansoura faculty of Medicine.
28. Continuous medical education unit "psychosomatic disorders" held on the 4/7/2012, in Mansoura faculty of Medicine
29. Regular scientific meeting of Dept 3 Rheumatology and immunology unit, Mansoura university Hospital "chronic kidney disease" held on 11-12/7/ 2012 in Mansoura faculty of Medicine

30. 1st Delta Headache Day in collaboration with the Egyptian society of neurology, psychiatry and neurosurgery society hold on 12/7/2012 in Ramada Hotel, Mansoura faculty of Medicine.
31. Continuous medical education unit "management of difficult respiratory disorders". held on the 26-27/8/2012, in Mansoura faculty of Medicine
32. Continuous medical education unit "obesity multidisciplinary approach". held on the Oct 2012, in Mansoura faculty of Medicine
33. 4th annual conference of cardiovascular department Mansoura University entitled acute cardiac care held from 6-7/12/ 2012.
34. Symposium Card Fund of Science and Technological Development, which was held at the University of Mansoura in 09/12/2012
35. Continuous medical education unit "nutrition and diseases" held on the 23/12/2012, in Mansoura faculty of Medicine.
36. The first laboratory scientific meeting of OCMU "laboratory and cancer"
37. The 2nd scientific MOA meeting on oropharyngeal malignancy held in 27/12/2012 in Mansoura International Hospital under supervision of Mansoura oncology Association (MOA) in collaboration with Egyptian society of head and neck oncology (ESHNO) and CME unite (mansoura faculty of medicine).
38. Immune fluorescence in clinical diagnosis of immunological diseases educational course and workshop held on 29-30/12/2012 at clinical immunology unit, clinical pathology department, Mansoura Faculty of medicine.
39. Continuous medical education unit "integrated management of low back pain" held on the 31/12/ 2012, in Mansoura faculty of Medicine
40. Psychological and ethical aspects of organ transplantation held in Liaison Unit psychiatric department, Mansoura faculty of medicine on 9-10/1/2013
41. Continuous medical education unit "updates in thyroid" held on the 10/1/2013, in Specialized Medical hospitals Mansoura faculty of Medicine
42. scientific meeting of venous thromboembolism held in international mansoura hospital with collaboration of vascular surgery unit, Mansoura faculty of Medicine on 17/1/2013
43. The preconference genetic workshop "updates in molecular diagnosis", Genetic unit, the 26th scientific annual congress of pediatric updates, mansoura faculty of medicine from 21-22/1/2013.
44. The 26th scientific annual congress of pediatric updates, Pediatric department, mansoura faculty of medicine from 23-24/1/2013.
45. Special day-CKD-MBD in meeting hall, new Mansoura general hospital on 4/2/2012 with collaboration of Dakahlia medical syndicate and Dakahlia nephrology group.
46. Conference of Vascular surgery and radiology department "peripheral vascular imaging, values and limitation" held in Mansoura faculty of medicine on 14/2/2013.
47. Webinar on Writing a teaching case study. 8-2-2021. By Emerald publishing. Online
48. CABI online platform webinar series. Professional peer review in 15-2-2021 in collaboration with Egyptian knowledge bank.
49. Webinar on Structuring publishable paper 26-1-2021 online.
50. For attending hands-on training webinar on Web of Science on January 12th, 2021. Online
51. Webinar on Blend and flip. Modern teaching strategies in New Hello. 19-4-2021
52. IET Inspec webinar on understanding the peer review and publication process on 7th April 2021.
53. One line webinar on Pediatric endocrinology in Nutshell wave 6; short stature from genes to clinical practice 8th April 2021.
54. Webinar by The Egyptian Medical Syndicate "Mucormycosis and COVID-19: all that you need to know about" in 3rd June 2021.
55. 4th Scientific Conference of Pediatric Endocrinology and Diabetes Unit" updates in pediatric diabetes and endocrine in 27th, 28th May 2021.
56. Webinar on Ushering in a New Era of Sustainable Weight Loss with Incretin-Based Therapies Monday, June 28, 2021 by clinical care options.
57. Nash core Curriculum. Imaging and Laboratory Tests for Diagnosis and Risk Stratification on April 2021.
58. Webinar on Pediatric Psoriasis: Informed Decisions That Improve Clinical Outcomes on 21 may 2021
59. Webinar on Expert Commentary: FAQs on RET-altered Cancers. May 2021.
60. Webinar - RSV in Older Adults: Understanding Risk, Diagnosis, and Evolving Prevention Strategies in 2 June 2021.

61. Webinar Pediatric Psoriasis: Informed Decisions That Improve Clinical Outcomes on May 2021.
62. Webinar on HF: ARNI, SGLT2 Inhibitors, and More on 21 may 2021.
63. Webcast: Precision Management of Late Endocrine Effects in Cancer Survivors in April 2021.
64. Webinar on person centered obesity management on 28 aug 2024.
65. Webinar on management of dyslipidemia in diabetic chronic kidney diseases 4 sep 2024
66. Webinar on obesity octopus in the room on 28 Aug 2024.
67. 1<sup>st</sup> conference of Horus Faculty of Medicine multidisciplinary approach held at 29, 30 Aug. 2024.
68. ISA webinar: Diabetes : unconventional causes and complications. 18 oct 2024.