

Professor Harmeet Singh Rehan

Brief Description of Role and Duties

Teaching

Teaching MBBS, MD, PhD, BSc. (Nursing) & Post Trauma Training course students using various teaching learning tools and techniques *viz.* didactic lectures, interactive sessions, tutorials, students centered seminars, skill laboratory exercises and bedside discussions.

Research

- Supervision and facilitate MD/PhD student to conduct research and write dissertation
- Conduct period prescription audit for pattern and trends in prescribing and medicines use with a special emphasis on antibiotics.
- Promote Rational Use of Medicines, Generic prescribing and through conducting audit, seminars, discussion with prescribers, exhibiting posters/banners and pycards in the out and inpatient departments of the associated hospitals.
- Promote pharmacovigilance related activities for pharmaceutical, biological, hematological products and Vaccines to ensure patient safety.
- Promote Materiovigilance related activities for medical devices.
- Promote proper disposal of expired and unwanted medicines
- Promote recycling of unused medicines.
- Monthly feedback to the healthcare professionals on the trends of medicines use including antimicrobial with regard to microbial culture and sensitivity pattern to antibiotics.
- Periodic feedback to healthcare professionals on spontaneously reported adverse drug reactions.
- Prepare and update Hospital Drug Formulary, list of Emergency and Essential Medicines for OPDs and IPD of the associated Hospitals.
- Actively involved in Therapeutic Drug monitoring.

Administration

Head of the Department to supervise Teaching and Research related activities

In charge of Central Animal House Facility of the Lady Hardinge Medical College and Associated Hospitals to ensure animal welfare and care. Also to ensure that the related drug development research is conducted strictly as per guidelines of Committee for the Purpose of Control and Supervision of Experimentation on Animals, Ministry of Environment and Forest, Government of India.

Chairman of Institutional Animal Ethical committee and committee to procure Chemical & Glass ware items.

Convener of Hospital Formulary and Member of Hospital antibiotic policy committee

National

Health Program of India

Resource person and Coordinator of Adverse Drug Reaction Monitoring Center, at Lady Hardinge Medical College, New Delhi under the aegis of Pharmacovigilance Program of India, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Government of India.

Member National Expert Committee of Diagnosis and Management of Tuberculosis and Committee for Technical Specifications anti-tubercular drugs under Revised National Tuberculosis Control Program. Ministry of Health and Family Welfare, Government of India.

Expert Member National Adverse Events following Immunization (AEFI) Program, Co-Chairperson of its Causality Assessment Subcommittee & Member Investigation sub-committee for AEFI program, Ministry of Health and Family Welfare, Government of India.

Subject Expert

- Indian Council of Medical Research, Ministry of Health and family Welfare, Government of India.
- Central Drugs Standard Control Organization, Director General of Health Services, Ministry of Health and Family Welfare, Government of India,
- Faculty of National Institute for Animal Welfare, Animal Welfare Division, Ministry of Environment and Forest, Government of India.
- Selection and recruitments boards in various Government Institutions

CURRICULUM VITAE

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PERSONAL DATA

Name: Dr. Harmeet Singh
Father's Name: Sh. Sohan Singh
Date of Birth: Dec. 5, 1961
Nationality: Indian

II. MEDICAL QUALIFICATION

<u>DEGREE</u>	<u>BOARD/UNIVERSITY</u>	<u>LOCATION</u>	<u>YEAR OF PASSING</u>
M.B;B.S.	University College of Medical Sciences (UCMS) Delhi-95 (Delhi University)	Delhi	1986
M.D. Pharmacology	Maulana Azad Medical College & Assoc. LNJP & GB Pant Hospital (Delhi University)	New Delhi	1993

III. HOSPITAL EXPERIENCE

<u>Designation/ Specialty</u>	<u>Hospital/Institute</u>	<u>Period</u>
Rotatory Internship All Subjects	UCMS & Assoc. (Formerly Safdarjung) GTB Hospital, Shahdara, Delhi-95	1st Jan. '86 to 31st Dec. '86
House Surgeon Casualty	Safdarjung Hospital New Delhi - 110 029	1st Jan. '87 to 30 th June '87
House Surgeon/ Internal Medicine	Safdarjung Hospital New Delhi 110 029	1 st July '87 to 31 st Dec. '87
Senior Resident/ Demonstrator Anatomy	UCMS & GTB Hospital Shahdara, Delhi-95	12th Apr. '88 to 11th Feb. '91
Junior Resident Pharmacology	MAMC and Assoc. LNJP & GB Pant Hospital New Delhi-2	12th Feb '91 to 30th June, '93
Senior Resident/ Pharmacology	MAMC and Assoc. LNJP & GB Pant Hospital New Delhi-2	1st July '93 to 30th June '96
Asst. Professor/ Pharmacology	BPKIHS, Dharan Nepal.	22nd July '96 to 21 st Oct '99
Asst. Professor/ Pharmacology	LHMC & Assoc. SSK Hospital New Delhi-1	16 th Nov. '99 to 15 th Nov. 2001
Assoc. Professor/ Pharmacology	LHMC & Assoc. SSK Hospital New Delhi-1	16 th Nov. '01 to 15 th Nov. '05
Professor/ Pharmacology	LHMC & Assoc. SSK Hospital New Delhi-1	16 th Nov. '05 to 15 th Nov. '12
Director-Professor/ Pharmacology	LHMC & Assoc. SSK Hospital New Delhi-1	16 th Nov. '12 to Till date

IV. RESEARCH, PUBLICATION, PRESENTATION

A. THESIS (MD)

Completed original research and thesis entitled "Analgesic effect of H₂-Receptor antagonist viz., Cimetidine, Ranitidine and Famotidine and its probable mechanism".

B. RESEARCH PAPERS/ARTICLES PUBLISHED

1. Chandra D, Rehan HS, Chaudhury V, Chauhan BKS, Sethi Y. Adverse Event with Contrast Media Routine Administration of Gluco-corticoid is Unnecessary. **Ind J Radio Imaging** 1994; 4: 173-176.
2. Sengupta A, Guha SK, Anand S, Jayaraman G, Biswas P, Rehan HS. Can conventional biomedical investigation technology unfold the complexity of utero-placental system in pregnancy? A critical study. Presented in 1st RC-IEEE Engineering in Medicine & Biology (IEEEEMBS) 14th Conference of Bio-medical Society of India in the proceedings of the International meet. Feb. 15-18, 1995.
3. **Rehan HS**. Prophylaxis and Treatment of Travelers Diarrhea. **Indian Medical Tribune** 1995; 3(5): 7.
4. **Rehan HS**. Antimicrobial: Defining appropriate uses. **Indian Medical Tribune** 1995; 3(10): 8.
5. Matapurkar BG, **Rehan HS**, Aggarwal AK, Bhatia M. Large Incision Hernia: Ultrasound mapping of abdominal wall defect and repair by MPS technique. **Indian J. surgery**, Sept.-Oct., 1995; 321-325.
6. **Rehan HS**. Newer Macrolides - Critical Appraisal. **Indian Medical Tribune**, 1996; 4(1): 5.
7. **Rehan HS** New Technique may Regenerate New Organs. News in "**Times of India**", 30th April, 1996; page 1 & 3.
8. Singh S, Majumdar DK, **Rehan HS**. Evaluation of Anti-inflammatory potential of fixed oil of Ocimum Sanctum (Holybasil) & its possible mechanism of action. **J Ethnopharmacology**. 1996; 54: 19-26.
9. **Rehan HS**. Organ Rebirth. News in the "**Financial Express**" Saturday June 22, 1996.
10. Matapurkar BG, **Rehan HS**. Formation of neoureter from peritoneum in live animal model (dog). **Ind J Exp Bio** 1996 Oct; 34: 954-958.
11. **Rehan HS**. Laboratory to the Market. **Indian Medical Tribune**, Oct. 30, 1996; pp 5 & 8.

12. **Rehan HS**, Matapurkar BG. Pharmacological Profile of Tender Coconut Water (Abstract). **Ind J Pharmacol** 1997; 29(1): 49.
13. Matapurkar BG, **Rehan HS** et al. Organogenesis and tissue regeneration of ureter from autogenous primitive stem cells in adult rhesus monkey. *Ind. J. Urology*, Sept. 1996; **13 (1)**: 1-4.
14. **Rehan HS**. Esmolol: A short - acting beta-blocker. An overview. **Drugs: News & Views** 1997; 4 (1): 27 – 30.
15. **Rehan HS**, Nagarani MA, Rehan M. A Study on The Pattern of Drug Prescribing and Use of Antimicrobial Agents at a Tertiary Care Teaching Hospital in Eastern Nepal. **Ind J Pharmacol**, 1998; 30(3): 175-180.
16. **Rehan HS**. Recent trends in the chemotherapy of malaria. **J Nep Med Assoc** 1998; 37: 661-8.
17. **Rehan HS**, Nagarani MA, Rehan M. A Study on The Pattern of Drug Prescribing and Use of Antimicrobial Agents at a Tertiary Care Teaching Hospital in Eastern Nepal. (Abstract) **J Assoc Phy Ind** 1998; 46(1): 152.
18. **Rehan HS**, Sharma S, Nagarani MA, Rehan M. Study of Drug Utilization Pattern in Acute Tonsillitis Patients in Teaching Hospital. (Abstract) **Mediators of Inflammation** 1999; 8 (Suppl. 1): S32.
19. **Rehan HS**, Sharma S, Nagarani MA, Thakur S, Thakur L. Drug Prescribing Pattern in general practice in Eastern Nepal. (Abstract) **Ind J Pharmacol**, 1999; 31 (1): 51.
20. Matapurkar BG and **Rehan HS**. New technique for repair of complex genito urinary rectal fistulae using peritoneum for urethral reconstruction and as an interpositional tissue. **Ind J Urology**, 1997; 14(1): 36-44.
21. Matapurkar BG, Bhargave A, **Rehan HMS**, et al. Organogenesis of fallopian tube: A desired metaplastic transformation of mesodermal stem cells in live animal models (Dogs). **Ind J Experimental Biology**, 2000; 38: 129-136.
22. **Rehan HS**. Pupils need to know more about use of Medicines and selfcare. **J Nep Med. Assoc.** 2000; 39: 251-256.
23. **Rehan HS**, Singh C, Tripathi CD and Kela AK. The study of drug utilization pattern in Dental OPD in tertiary care teaching hospital. **Ind J Dental Research**, 2001; 12(1): 51-56.
24. **Rehan HS** and Lal P. Drug prescribing pattern of interns at Government health care center in Northern India. **Tropical Doctor**, 2002; 32: 4-7.

25. **Rehan HS**, Vasudev K, and Tripathi CD. Call for a change: Knowledge, Attitude and Practices of Medical Students and Prescribers Towards Adverse Drug Reactions Monitoring. **Natl. Med J Ind** 2002; 15(1):24-26.
26. Singh S, **Rehan HS** and Majumdar DK. Effect of O. Sanctum fixed oil on Blood Pressure, Blood Clotting Time and Pentobarbitone Induced Sleeping Time. **J Ethnopharmacology**, 2001; 78: 139-143.
27. **Rehan HS**. Drug Prescribing Pattern in private sector in Nepal. **Indian Practitioner** 2001; 54 (6):408-412.
28. **Rehan H S**, Nagarani M A, Rehan M. Evaluation of Drug Advertisements in Medical Journal. **J Nepal Med Assoc** 2001; 40(140):196-200.
29. **Rehan HS**. Antibiotic associated diarrhea: An overview. **Centaur Medical News** 2002; 2 (3): 7-8.
30. Kocher A, Sharma GK, Murari A, **Rehan HS**. Road traffic accidents and alcohol: a prospective study. **International J of medical Toxicity & Legal Medicine**, 2002; 5(1): 22-24.
31. **Rehan HS** and Matapurkar BK. Tender coconut water; an ideal fluid for parenteral substitute. **J Inst. Med**, 2003; 25(1):27-30.
32. **Rehan HS**. Study of Drug Utilization Pattern in Acute Tonsillitis Patients in Teaching Hospital. **Ind J Otolaryngology & Head & Neck Surgery**. 2003; 55(3):176-179.
33. Sharma S, **Rehan HS**, Goyal A, Jha AK, Upadhyaya S, Mishra SC. Bacteriological profile in chronic suppurative otitis media in eastern Nepal. **Tropical Doctor**, 2004; 34:182-184
34. **Rehan HS**, Gautam K, Gurung K. Mothers need to know regarding management of childhood acute diarrhea. **Ind. J. Prev. Soc. Med.** 2003; 34 (1): 40-45.
35. Deepti, Mehra P, **Rehan HS**. Analgesic strategies in dental pain. **J Maxillofac and Oral Surgery India** 2005; 4:14-8.
36. **Rehan HS**, Chopra Deepti, Kakkar Ashish "Causality assessment of spontaneously reported adverse drug events. Comparison of WHO-UMC criteria and Naranjo probability scale". **International J of Risk and Safety in Medicine**. 2007; 19(1): 223-227.
37. **Rehan HS**, Kakkar AK, Deepti Chopra. Physician guide to Pharmacovigilance: Terminology and causality assessment. **European J Internal Medicine**, 2009; 20(1): 3-8.
38. Kakar A, **Rehan HS**, Uni KES, Neeraj, Kataria D. Comparative efficacy safety of Oxalazine versus dilvaprox sodium in the treatment of acute mania: A pilot study. **European J. Psychiatry**, 2009; 24(3): 178-82.

39. Deepti Chopra, **Rehan HS**, Mehra P, Kakkar AK. A randomized double blind, placebo controlled study comparing the efficacy and safety of paracetamol, serratiopeptidase, ibuprofen and betamethasone using dental impaction pain model. **International J Oral Maxillofacial Surgery** 2009; 38: 350-355.
40. Soumya Tiwari, **HS Rehan**, Jagdish Chandra, NN Mathur, Varinder Singh. Efficacy and safety of a single dose of gentamicin in hospitalized Indian children: a quasi-randomized trial. **J Antimicrob Chemother.** 2009 Sep16: 19759043 (PSGEBD).
41. **Rehan HS** and Deepti Chopra. Guide to reporting adverse drug reactions. **International Journal of Risk & Safety in Medicine**, 2009; 21(4): 229-234.
42. Chopra Deepti, **Rehan HS** and P. Mehra. Changes in quality of life after surgical removal of impacted mandibular third molar teeth. **Journal of Maxillofacial and Oral Surgery**, September, 2009; Volume 8, Number 3: 257-260.
43. **Rehan HS**, Ashish Kumar Kakkar, Shipra Goel. Surgical antibiotic prophylaxis in a tertiary care teaching hospital in India **Int J Infect Control** 2010; v6:i2 doi: 10.3396/ijic.V6i2.014.10)
44. Preeta Kaur Narulaa, **Rehan HS**, K.E.S. Unni, Neeraj Gupta. Topiramate for prevention of olanzapine associated weight gain and metabolic dysfunction in schizophrenia: A double-blind, placebo-controlled trial. **Schizophrenia Research**, 2010; 118(1): 218-223.
45. RK Gupta, **Harmeet S Rehan**, A Rahotagi, J Bhattacharya, Deepti Chopra. The effect of glypizide, metformin and rosiglitazone on nontraditional cardiovascular risk factors in newly diagnosed patients with type 2 diabetes mellitus. **Int. J.Diab. Dev. Ctries**, July-September 2010; 30 (3): 123-128.
46. RK Sah, **HS Rehan**, KES Unni, D Chopra, S Manak, PK Narula. A comparison of duloxetine hydrochloride with fluoxetine hydrochloride in major depressive disorders: A pilot study. **Health**, 2010; Vol 2: 620-624.
47. Matapurkar BG, Bhargave A, **Rehan HS**, Mondal AK, Ramteke VK. Neo-regeneration of the urinary bladder: A desired metaplasia of autologous membrane from rectosigmoid colon containing stem cells of intestinal crypts. **Indian Journal of Experimental Biology**.2010; 48: 1083-1093.
48. D Chopra, **HS Rehan**. Genetically manipulated mice models as research tool. **The Internet Journal of Pharmacology**, 2010 Volume 8 Number 1. DOI: 10.5580/2891
49. Vikram Datta, Meenu, **Rehan HS**. Sucrose In Reducing Pain To Orogastric Tube Insertion In Preterm Neonates:5.3 (Abstract). **Paediatric Research** (Suppl); 265: Nov 2010.

50. Deep Inder, **HS Rehan**, Madhur Yadav, Seema Manak, Pawan Kumar. IFN- α -2a Interferon and ribavirin induced suicidal attempt in a patient of chronic HCV: A rare case report. **Ind. J Pharmacol**, 2011;43(2): 103-226
51. Purna Upadhyaya, **Harmeet S Rehan**. Subgroup Analysis of Effect of Metformin in Indian Women with PCOS. **JK Sciences** 2011; 13(1): 19-26.
52. **Harmeet S. Rehan**, Seema Manak, Madhur Yadav, Deepinder, Deepti Chopra, Neeta Wardhan. Diversity of Genotype and Mode of Spread of Hepatitis C Virus in Northern India. **The Saudi Journal of Gastroenterology**, 2011; 17(4): 241-244.
53. M. Pandey, V. Datta, **Rehan HS**. Role of Sucrose in Reducing Painful Response to Orogastric Tube Insertion in Preterm Neonates. **Indian J Pediatr**, DOI 10.1007/s12098-012-0924-4: December 2012
54. D Chopra, N Wardhan and **HS Rehan**. Knowledge, Attitude and Practices associated with Adverse Drug Reaction Reporting Amongst Doctors in Teaching Hospital. **The International Journal of Risk & safety in Medicine**, 2011; 23 (4): 227-232.
55. Purna Upadhyaya, **Rehan HS**, Vikas Seth. Serum Leptin changes with metformin treatment in polycystic ovarian syndrome: correlation with ovulation, insulin and testosterone levels. **EXCLI Journal** 2011: 10: 9-15
56. Deep Inder, **Harmeet Singh Rehan**, Vijay Kumar Bajaj, Pawan Kumar, Navin Gupta Jasbir Singh. Analgesic Activity and safety of Ash of Silver used in Indian System of Medicine in mice: A Reverse Pharmacological Study. **Ind J Pharmacol**, 2012; 44(1): 46-50.
57. **Rehan HS**, Deepti Chopra, Ravinder Kumar Sah, Tanuj Chawla, Arpit Agarwal, G.K. Sharma. Injection practices of healthcare professionals in a Tertiary Care Hospital. **Journal of Infection and Public Health** 2012, 5(2): 177-181.
58. **HS Rehan**, D Chopra. Observational study to compare the contents and information furnished in the commonly used ADR reporting forms filled by the health care professionals. (Abstract) **Drug Safety** 2012, 35(10): p886.
59. **HS Rehan**, Ravinder Kumar Sah, Deepti Chopra. Comparison of Knowledge, Attitude and Practices of Resident Doctors and Nurses on Adverse Drug Reaction Monitoring and Reporting in a Tertiary Care Hospital. **Ind J Pharmacol**, 2012; 44(6): 699-703.
60. **Harmeet S. Rehan**, Deepti Chopra, Ravinder K. Sah and Ritu Mishra. Adverse Drug Reactions: Trends in a Tertiary Care Hospital. **Current Drug Safety**, 2012; 7(5): 384-388.
61. Puri, M. Taneja, P. Gami, N. **Rehan, H.S.** Effects of different doses of intraumbilical oxytocin on the third stage of labor. **International Journal of Gynecology and Obstetrics**, 2012; 118(3): 210-212.

- 62 Preeta Kaur Chugh, **Harmeet S Rehan**, KS unni, R Sah. Predictive value of symptoms for quality of life in first episode of schizophrenia. **Nordic Journal of Psychiatry** 2013; (67)3:153-8.
- 63 Gupta R, Gupta LK, **Rehan HS**. In Training Assessment of Postgraduate Students in Pharmacology Using an Audiovisual Quiz [doi10.5455/jcme.2013011011.] **J Contemp Med Edu** 2013; 1(2): 126-131
- 64 Rehan HS, Manak S, Yadav M. Interferon and Ribavirin Induced Pericardial Effusion. **J Rational Pharmacother Res** 2013; 1(1): 68-71.
- 65 **Rehan HS**, Umesh D Surangi. Pioglitazone and Bladder Cancer: Where do We Sit on the 'See Saw'? **J Rational Pharmacother Res** 2013; 1(3): 123-24.
66. **Rehan HS**, Sidana S, Yadav M. Open label, Randomized, Controlled Trial to study the effect of Atorvastatin on peripheral nervous system, Abstract code ISP3750-43. **Drug Safety**, 2013, 36(9):904.
67. **Rehan HS**, Chopra D, Holani SN, Mishra R. An observational study to compare the contents and quality of information furnished in CDSCO ADR reporting form, Yellow card, Medwatch and Blue form by the healthcare professionals. **Int J Risk Saf Med**. 2014 Jan 1; 26(1):1-8. doi: 10.3233/JRS-140608.
68. **Rehan HS**, Arora T, Kumar S, Bhajoni PS. Amikacin and Diclofenac Induced Nephrotoxicity: A Drug-Drug Interaction. **J Rational Pharmacother Res** 2014; 2(2): 53-55.
69. Chopra M, **Rehan HS**, Gupta R, Ahmad FJ, Tariq MD, Gupta LK. Comparison of aqueous humour concentration after single high dose versus multiple administration of topical moxifloxacin in rabbits. **Indian J Pharm Sci**. 2014; 76(5):462-5.
70. **Rehan HS**, Manak S, Yadav M. Supervised conventional interferon α 2a in combination with ribavirin therapy is the preferred alternative for treatment of chronic hepatitis C. **Indian J Pharmacol** 2014;46:490-2
71. **Rehan HS**, Chopra D, Yadav M, Wardhan N, Manak S, Siddiqui K, et al. Safety and efficacy of Qurse-e-istisqua in chronic hepatitis C Infection: An exploratory study. **Indian J Pharmacol** 2015;47:72-9.
72. Arora T, **Rehan HS**. A perspective on role of calcium and vitamin D in cardiovascular outcomes and lipid profile. **J Basic Clin Physiol Pharmacol**. 2015 Sep 1;26(5):427-31. doi: 10.1515/jbcpp-2014-0116.
73. Bhargava S, Prakash A, **Rehan HS**, Gupta LK. Effect of systemic corticosteroids on serum apoptotic markers and quality of life in patients with asthma. **Allergy Asthma Proc** 2015; 36:1-8.

74. **Rehan HS**, Bhargava S (2015) Medication Errors Are Preventable. **J Pharmacovigilance** S2:005. doi:10.4172/2329-6887.S2-005.

75. **Rehan HS**, Banerjee I, Suranagi UD. Are we moving towards a new definition of essential medicines? **J Pharmacol Pharmacother** 2015;6:234-5..

76. Sonam Puri, Sonika Puri, **Harmeet Singh Rehan**, Anil Sabharwal, Rashmi Nanda, Satish Kumar Aggarwal, Madhur Yadav, Raman Puri, Prevalence and pattern of dyslipidemia in 2500 adolescents in suburban India.(Abstract). **J Am Coll Cardiol.** 2015;65(10_S):. doi:10.1016/S0735-1097(15)61486-3

77. Mayur Kamble, Rachna Gupta, **Harmeet S. Rehan**, Lalit K. Gupta. Neurobehavioral effect of Liraglutide and Sitagliptin in Experimental Model. *European J Pharmacology* 02/2016; DOI:10.1016/j.ejphar.2016.02.003.

78. Ruchika Kumar, Praveen Kumar, S Aneja, Virender Kumar, **Harmeet S Rehan**. Safety and Efficacy of Low-osmolarity ORS vs. Modified Rehydration Solution for Malnourished Children for Treatment of Children with acute severe malnutrition and Diarrhea: A Randomized Controlled Trial. *J Trop Pediatr* 2015 Dec 27;61(6):435-41. 08/2015;61(6). DOI: 10.1093/tropej/fmv054

79. Pranjit Santonu Bhajoni, Girish Gulab Meshram, Mangala Lahkar, Manik Shankarrao Ghadlinge, **Harmeet Singh Rehan**, Chakra Dhar Tripathi. Evaluation of the role of nitric oxide and antioxidation in the antiulcer activity of *Ocimum sanctum* leaves: an experimental study. *Orient Pharm Exp Med* DOI 10.1007/s13596-015-0197-3

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82. Bhayana K, **Rehan HS**, Arora T. Comparison of the knowledge, attitude and practices of doctors, nurses, and pharmacists regarding the use of expired and disposal of unused medicines in Delhi. *Indian J Pharmacol* 2016;48:725-8

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85. Maharshi V, **Rehan HS**, Gupta LK, Yadav M. Comparison of effect of enalapril and losartan monotherapy on quality of life and safety of stage 1 hypertensive patients. *Indian J Physiol Pharmacol* 2016; 60(2) : 174–181.
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87. **Rehan HS**, Andley M, Nagar P, Maharshi V. Unstable Angina: A Serious Adverse Event following Gemcitabine-Cisplatin Based Chemotherapy. *J Assoc Physicians India*. 2016, 64(9):85-86.
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91. R. Amirtha, Rachna Gupta, **Harmeet Singh Rehan** and Lalit Kumar Gupta. Impact of Computer Assisted Learning as Teaching Modality on Learning & Understanding of Pharmacology Among Undergraduate Medical Students: *Indian Journal of Physiology and Pharmacology*, 2017; 61(2):202-207.
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93. **Harmeet Singh Rehan**, Jahnvi Maini and APS Hungin. Vaping Versus Smoking: A Quest for Efficacy and Safety of E-cigarette (REVIEW). *Current Drug Safety*, 2018;13: DOI: 10.2174/1574886313666180227110556

94. Manoj Kumar, **Harmeet Singh Rehan**, Raman Puri, Madhur Yadav and Lalit Kumar Gupta. Randomized controlled trial comparing the efficacy of daily and every other day atorvastatin therapy and its correlation with serum hydroxymethylglutaryl-CoA reductase enzyme levels in naïve dyslipidemic patients. Indian Heart Journal 2018;70 (3): S64-S67.
DOI: 10.1016/j.ihj.2018.05.010

95. Nitesh Goyal, **HS Rehan**. Journey of Marketed Unapproved Drugs in the United States. J Rational Pharmacother Res 2018; Volume 4 (1): 7-11

96. **Harmeet Singh Rehan**, Indranil Banerjee, Tarun Arora. Does Uniformity Exist In Present MD Pharmacology Curriculum In India? J Rational Pharmacother Res 2018; 4 (2): 35-41.

97. Ajita Kapur and **Harmeet Singh Rehan**. Drug Reaction with Eosinophilia and Systemic Symptoms Syndrome Associated with Ethambutol use: A Case Report. Current Drug Safety 2019; 14(3): 249

98. **Harmeet Singh Rehan**, Priyanka Hota. Antimicrobial Agents Induced Hypokalemia: A Possible Causality Association. Indian J Crit Care Med 2019;23(4):175–177. Doi:10.5005/jp-journals-10071-23148

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100. Grover A, Oberoi M, **Rehan H**, Gupta L, Yadav, M. (January 02, 2020) Self-reported Morisky Eight-item Medication Adherence Scale for Statins Concords with the Pill Count Method and Correlates with Serum Lipid Profile Parameters and Serum HMGCoA Reductase Levels. Cureus 12(1): e6542. doi:10.7759/cureus.6542

101. **Rehan HS**, Banerjee I, Suranagi UD, Goyal N. Do pharmacology faculties welcome the new competency-based undergraduate curriculum? A nationwide questionnaire-based study. Natl J Physiol Pharm Pharmacol 2020;10 (Online First). DOI: 10.5455/njppp.2020.10.0203220202403 2020

102. Jahnvi Maini, **Harmeet Singh Rehan**, Madhur Yadav, Lalit Kumar Gupta. Exploring the role of adipsin in statin-induced glucose intolerance: A prospective open label study. Drug Metabolism and Personalized Therapy, Volume 35, Issue 1, 20200101, eISSN 2363-8915, DOI: <https://doi.org/10.1515/dmpt-2020-0101>

103.

V. RESEARCH PAPER ACCEPTED/SUBMITTED

Sanchit Gupta, **Harmeet Singh Rehan**, Lalit Kumar Gupta, Madhur Yadav. Efficacy and safety of Omega 3 Fatty Acids Supplementation with Atorvastatin in Hyperlipidemia. **J Pharmacol Pharmacother Research (Communicated)**

Study of knowledge, attitude and practices of mothers on childhood acute respiratory tract infections. **Indian Pediatrics Journal. (Communicated)**

Effect of intravenous loading dose of valproate in acute mania; A pharmacokinetic correlation. **Indian J Pharmacology (Communicated)**

Study of NMDA receptor antagonist on the behaviour in Rats and the role of NMDA receptor site modulating drugs in the development of Schizophrenia. **Ind J Psychiatry (Communicated).**

VI. AWARDS/PRIZES

- Awarded/selected as Membership of National Academy of Medical Sciences (MAMS) in October, 2013
- Awarded Commonwealth Fellowship at School of Medicine, Pharmacy and Health (SMPH) Queen's Campus, Stockton, Durham University, Durham, UK from 15th January 2015 to 1 July, 2015
- Article entitled "Effects of different doses of intraumbilical oxytocin on the third stage of labor." Published in **International Journal of Gynecology and Obstetrics**, 2012; 118(3): 210-212 has received an **honorable mention in the John J Sciarra IJGO prize Award** for 2012.
- Awarded **First prize** for presenting paper entitled " A study of the pattern of drug prescribing and use of antimicrobials agents at BPKIHS " in Annual Conference of Indian Society of Clinical Pharmacology and Therapeutics - 1998 held at Bangalore from 16 - 20th January 1998.
- Prof. U.K. Sheth Prize for best Paper presentation in Clinical Pharmacology was awarded to **Dr. H.S. Rehan**, Dr. S.S. Trivedi and Dr. Prerna Upadhyay at Annual Conference of Indian Pharmacological Society held at Jaipur in 2006. Dr. Prerna presented the paper.
- Prof. U.K. Sheth Prize for **best Paper** presentation in Clinical Pharmacology was awarded to Dr. Preeta Narula, **Dr. H.S. Rehan**, Dr. Unni. Annual Conference of Indian Pharmacological Society held at AIIMS, New Delhi, December 2008. Dr. Preeta presented the paper.
- **Best Paper** presentation in Clinical Pharmacology was awarded to Dr. Preeta Narula, **Dr. H.S. Rehan**, Dr. Unni. CME organized ISRPT held at UCMS, Delhi, February 2009. Dr. Preeta presented the paper.

- **Best paper** Indian Society For Rational Pharmacotherapeutics Award in Clinical Pharmacology was awarded to **Dr. HS Rehan**, Seema, Madur etal at 1st International and 2nd National Conference of Indian Society For Rational Pharmacotherapeutics held at Lady Hardinge Medical College, New Delhi. Dr. Seema presented the paper.
- **Second best paper** Indian Society For Rational Pharmacotherapeutics Award in Clinical Pharmacology was awarded to **HS Rehan**, Manoj Kumar, Madur Yadav etal at 5th National and 2nd International Conference of Indian Society For Rational Pharmacotherapeutics held at Dayanand Medical College, Ludhiana, Punjab. Dr. Manoj presented the paper.
- Best Paper award of Lipid Association of India was awarded to Sanchit Gupta, **Harmeet Singh Rehan**, Lalit Kumar Gupta, Madhur Yadav during the 1st International Summit on New Horizons in Dyslipidaemia (Aug 2014). Dr. Sanchit Gupta presented the paper
- Best Paper award of Lipid Association of India was awarded to Abhinav Grover, **Rehan HS**, Madhur Yadav, Lalit Gupta during the National Conference on Dyslipidaemia (Aug 2015) held at Hotel Oberoi. Dr. Sanchit Gupta presented the paper
- **Best paper** Indian Society For Rational Pharmacotherapeutics Award (Pondy cherry Award) in Clinical Pharmacology was awarded to Abhinav Grover, **Rehan HS**, Madhur Yadav, Lalit Gupta at 7th National Conference of Indian Society For Rational Pharmacotherapeutics held at PGMIER, Chandigarh. Dr. Abhinav Grover presented the paper.
- **Best Paper** award of Lipid Association of India was awarded to Neha Gurha, **Rehan HS**, Madhur Yadav, Lalit Gupta during the International Conference on Dyslipidaemia (Aug 2016) held at Hotel Oberoi, New Delhi. Dr. Sanchit Gupta presented the paper
- **Second prize** in poster presentation of Indian Society For Rational Pharmacotherapeutics was awarded to Jahnvi, **Rehan HS**, at 7th National Conference of Indian Society For Rational Pharmacotherapeutics held at Raigarh, Chattigarh.
- Jahnvi, Aligarh

VII. PAPER/ABSTRACT PRESENTED/GUEST LECTURE/TALKS DELIVERED

- Presented poster entitled "ADR in teaching and non-teaching hospital" at Indian Pharmacological society, Conference at Meerut. 15-16 Oct. 1992.
- Presented paper entitled "Adverse drug reaction in Indian Teaching & Non-teaching Hospital" in Continued Medical Education on Rational drug use held at Maulana Azad Medical College, New Delhi 2-4 December, 1992.

- Presented paper entitled "Large incisional hernia: Ultrasound mapping of abdominal wall defect and repair by MPS technique" at 55th Annual conference of ASICON - 94. 25-30th December, 1994 held at Cuttack, Orissa.
- Presented paper entitled 'Modified Technique for use of peritoneum in the repair of recurrent complex genitourinary rectal fistula at 55th Annual Conference of ASICON - 94. 25-30th December, 1994 held at Cuttack, Orissa.
- Presented paper entitled 'Drug utilization study at Primary health Centre in Northern India at 23rd Annual Conference of Indian Pharmacological Society held at Patiala, Punjab, 21-23rd November, 1995.
- Presented paper entitled "Organogenesis - Desired metaplastic Transformation from primitive stem cell in live animal models" at 43rd Annual Conference of Anatomical Society of India held at Wardha, Maharashtra. 17-19 December, 1995.
- Presented paper entitled "Pharmacology of Tender coconut water (Cocos nucifera)" at 29th Annual National Conference of Indian Pharmacological Society held at Hyderabad, Andhra Pradesh, 20-23rd December 1996.
- Presented paper entitled " A study of the pattern of drug prescribing and use of antimicrobials agents at BPKIHS " in 4th Anniversary of BPKIHS, Scientific session, 3rd & 4th September 1997.
- Presented paper entitled " A study of the pattern of drug prescribing and use of antimicrobials agents at BPKIHS " at 53rd Joint conference, Association of Physicians of India (APICON - 1998), 16 - 20th January 1998 held at Bangalore.
- Presented paper entitled "Study of Drug Utilization Pattern in Acute Tonsillitis Patients in Teaching Hospital." in 5th Anniversary of BPKIHS, Scientific session, 6th & 7th September 1998 held at BPKIHS, Dharan, Nepal.
- Presented paper entitled "Study of Drug Utilization Pattern in Acute Tonsillitis Patients in Teaching Hospital." At National Symposium on Clinical Pharmacology-1998 on Social pharmacology- Clinical Pharmacology is imbued with a concept that each patient is applied research. Organized by Indian Pharmacological Society, West Bengal Branch at North Bengal Medical College, Darjeeling, West Bengal, 2-3rd November 1998.
- Presented paper entitled "Study of Drug Utilization Pattern in Acute Tonsillitis Patients in Teaching Hospital." In 3rd World conference on Inflammation held at Paris, France from 27-30 June 1999.
- Presented paper entitled "The study of drug utilization pattern in Dental OPD in tertiary care teaching hospital." in annual conference of Indian Pharmacological Society held at Gandhi Nagar, Ahmedabad, from 27-30th Dec. 2000.

- Presented paper entitled “Study of Drug Utilization Pattern in Acute Tonsillitis Patients in Teaching Hospital: Impact of educational intervention. Held at Dhaka, Bangladesh, November 2005.
- Attended 6th SAARC Otolaryngology Head & Neck Surgery conference organized by Society of Otolaryngologists and head Neck Surgeons of Bangladesh as Guest Speaker held from 15th to 18th February, 2008 at Dhaka, Bangladesh.
- Attended ITP-IPS 2008 conference of Indian Pharmacological Society and **chair** the poster session to evaluate the posters and adjudge the best poster held on 18th to 20th December 2008 at Department of Pharmacology, All India Institute of Medical Sciences, New Delhi, India.
- Attended and presented a paper in 1st National conference of Indian Society of Rational Pharmacotherapeutics held on 23rd-25th, February 2010. Organized by Department of Pharmacology, JawaharLal Nehru Medical College and AVB Rural Hospital, Datta Meghe Institute of Medical Sciences Swanghe (Meghe), Wardha, Maharashtra, India
- Organized 1st International & 2nd National conference of Indian Society of Rational Pharmacotherapeutics held on 26-28th, November 2010 and presented a lecture and acted **as panellist in the panel discussion**. Organized by Department of Pharmacology, Lady Hardinge Medical College, New Delhi, India
- Attended 4th National conference of Indian Society of Rational Pharmacotherapeutics held on 29th, November - 1st December 2010 as guest speaker. Organized by Department of Pharmacology, R.G.Kar Medical College, Kolkata, West Bengal, India.
- Attended and presented a poster in 11th Annual Meeting of the International Society of Pharmacovigilance held from 25-28 October 2011 at Harbiye Military Museum and Cultural Center, Istanbul, Turkey.
- Attended 3rd National conference of Indian Society of Rational Pharmacotherapeutics held on 25-27th, November 2011 as guest lecture and panellist in panel discussion. Organized by Department of Pharmacology & Therapeutics, Government Medical College, Jammu, India
- Attended and presented poster at 12th Annual Meeting of International Society of Pharmacovigilance held from 30 October-02 November 2012 at JW Marriott Cancun Resort Cancun, Mexico.
- Attended training workshop on ‘Discovery Development and Commercialization of Biologicals’ organized by Clinical Development Services Agency, an extramural unit of Translational Health Science and Technology Institute, Department of Biotechnology, Government of India is promoting development of clinical capability and capacity in India held from 11th to 15th March 2013 at Indian Institute of Technology, New Delhi, India.

- Attended Hypertension Summit organized by Lipid Association of India as Resource Faculty on 23rd June, 2013 at Hotel Le Meridien, New Delhi, India.
- Attended Heart Failure Summit organized by Lipid Association of India as Resource Faculty on 11th August 2013 at Hotel TheSuryaa, New Delhi, India
- Attended Acute Coronary Syndrome Summit organized by Lipid Association of India as Resource faculty on 15th September 2013 at Le Meridien, New Delhi, India
- Attended training workshop on ‘Serious Adverse Event (SAE) Reporting in Clinical Trials’ as resource person organized by Clinical Development Services Agency, an extramural unit of Translational Health Science and Technology Institute, Department of Biotechnology, Government of India held from 7 -9 October 2013 at Bengaluru. India.
- Attended 2nd National Summit on Dyslipidemia organized by Lipid Association of India as Resource Faculty and chaired a session held on 16th & 17th November 2013 at Hotel Savera, Dr. Radhakrishnan Salai, Chennai. India.
- Attended 2nd International & 5th National conference of Indian Society of Rational Pharmacotherapeutics held on 30th, January - 1st February 2014 as guest lecture and panellist. Organized by Department of Pharmacology, Dayanand Medical College, Ludhiana, Punjab, India
- Delivered a Lecture on the topic entitled “Newer Approaches for the Treatment of Heart failure” on 14th March, 2014 in the Faculty Auditorium, Faculty of Pharmacy, Jamia Hamdard, New Delhi, India
- Attended 1st International Summit on “New Horizons on Dyslipidemia” organized by Lipid Association of India as Resource Faculty held on 23-24 August 2014 at Hotel The Oberoi New Delhi, India
- Attended 3rd National Summit on Dyslipidemia organized by Lipid Association of India as Resource Faculty held on 17th November 2014 at Bhubaneswar, Odisha, India.
- Attended 3rd International & 6th National conference of Indian Society of Rational Pharmacotherapeutics, held on 19th to 22nd November 2014 as guest speaker and panellist in panel discussion. Organized by Department of Pharmacology, JIPMER Puducherry, India
- Attended Symposium on Nitric Oxide: From Research to Applications organized by department of pharmacology, Vallab Bhai Patel Chest Institute 6th April, 2015 at the Auditorium VPCI.
- Attended a symposia on topic entitled Recent Advances in cardiovascular Diseases organized by Indian Society for Atherosclerosis Research (Delhi Chapter) on 15th May 2015 at CME hall, SJ Auditorium, Lady Hardinge Medical College, New Delhi, India.

- Attended 7th National conference of Indian Society of Rational Pharmacotherapeutics as Speaker and Panellist, held at the Department of Pharmacology, PGIMER, Chandigarh, India from 4th to 6th December 2015
- Delivered a Key note address at 7th National conference of Indian Society of Rational Pharmacotherapeutics held from 4th to 6th December 2015. Organized by Department of Pharmacology, PGIMER, Chandigarh, India
- Attended 4th National conference on Dyslipidemia organized by Lipid Association of India as Resource Faculty held on 14th and 15th November 2015 at Kazi Ranga Assam,
- Guest Speaker in Symposia on “Pharmacovigilance and Adverse drug reaction” organised by Delhi Heart & Lung Institute, New Delhi on 6th April, 2017.
- Delivered a talk as faculty on “Research Ethics and Good Clinical Practices” organized by Lady Hardinge Medical College, New Delhi 110001 on 9th March, 2017
- Faculty in Skill Development Programme, Ghaziabad Tools and Methods in Pharmacovigilance organized by PvPI, IPC, Ministry of Health & Family Welfare in May 2017.
- Faculty in Skill Development Programme, Ghaziabad Tools and Methods in Pharmacovigilance organized by PvPI, IPC, Ministry of Health & Family Welfare in Nov 2017.
- Participated in Inter-country study to assess the inter-rater software organised by WHO, MCAZ & INCEN held at NOIDA from 24th to 30th April 2017.
- Participated Symposium of IADVL- Delhi State Branch on “Reconceptualising management of Dermatitis in Elderly” LHMC14 May 2017
- Guest Speaker on “Therapeutic Drug Monitoring” organized by Aditya Birla Memorial Hospital, Pune, 4th & 5th Nov, 2017
- Guest Speaker and presented “Expert consensus document on the management of Dyslipidemia” at ISRPTCON held at Aligarh from 20th & 21st Nov 2017.
- Guest Speaker & Participant in the Debate “ARNI Vs ARB” held at Aditya Birla Memorial Hospital, Pune organized by Cardiac Society of India- Pune Chapter on 20th & 21st Jan, 2018.
- Participated in Health Technology Assessment in National Conference on HTA, organised by PGI Chandigarh from 24th & 25th February, 2018.
- Resource person and presented “Recent Advances in Pharmacology” at XXV quality improvement Programme, held at DIPSAR Delhi from 5th -9th March 2018.

- Guest Speaker and presented Treatment “Guidelines for the Management of Dyslipidemia” at Institute of Medicine, Kathmandu, Nepal on 29th March 2018.

CNE ---LH3 /KSCH 3

Deepti--- “Research Ethics and Good Clinical Practices” organized by NOIDA

Pudducherry

Patna

Chandigarh

Sharda/Tanda/Kolkata

IPC.....

Hindu rao Hospital

VIII. NATIONAL PROGRAM/SUBJECT EXPERT

- Subject Expert in the Fellowship Expert Group of Indian Council of Medical Research in the subject of Pharmacology
- Resource person and Coordinator of Adverse Drug Reaction Monitoring Center, at Lady Hardinge Medical College, New Delhi under the aegis of Pharmacovigilance Program of India, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Government of India.
- Member National Expert Committee of Diagnosis and Management of Tuberculosis and Committee for Technical Specifications anti-tubercular drugs under the aegis of Revised National Tuberculosis Control Program. Ministry of Health and Family Welfare, Government of India.
- Expert Member National Adverse Events following Immunization (AEFI) Program.
- Co-Chairperson of its National Causality Assessment Subcommittee.
- Member of Investigation Sub-committee for AEFI program, Ministry of Health and Family Welfare, Government of India.
- Expert member of Data Safety Monitoring Board in various clinical trial.
- Assessor of Medical Council of India, to assess the facilities/infrastructure at undergraduate and post graduate medical colleges.
- Member of expert group, to frame consensus document for the treatment of dyslipidemias.

- External examiners to several universities to conduct undergraduate, postgraduate and PhD examination.

IX. WORKSHOPS / SYMPOSIA ETC. INVOLVED / ATTENDED

Member of Organizing Committee of CME on "Rational Drug Use" of Maulana Azad Medical College, New Delhi 2-4 December, 1992.

Attended workshop on " Educational Science Technology (Evaluation) for Teachers of Health professionals " organized by National Teachers Training Centre, Department of Medical Education, MAMC, New Delhi -2.

Attended workshop on "Teaching & Learning process for Teacher of Health Professionals "organized by National Teachers Training Center, Deptt. of Medical Education, MAMC, New Delhi -2.

Attended "Update on Fluroquinolone" organized by Department of Microbiology, Maulana Azad Medical College, New Delhi -2 on 27th December, 1994.

Attended Training on "Maternal death audit" organized by B. P. Koirala Institute of Health Sciences, Dharan, Nepal on 21st Feb, 1997.

Participated in workshop on "Epidemiological Surveillance System Training Program" conducted by B. P. Koirala Institute of Health Sciences, Dharan, Nepal with WHO support from 6 - 10 July 1997.

Participated in workshop on "Development of Instruments for Epidemiological Surveillance" held at B. P. Koirala Institute of Health Sciences, Dharan, Nepal from 16 - 18th December, 1997.

Attended International Symposium on "New drug development" organized by Institute of Human Behaviour and Allied Sciences, Shahadra Delhi-92 from Feb. 6 - 8, 1998 held at Hamdard University, New Delhi.

Attended International conference of ISHR Held at AIIMS, New Delhi from 27-29th Jan. 2001.

Attended Workshop on "Training of Trainers on AIDS" organized by NACO and LHMC, New Delhi from 22-24th Feb. 2001.

Attended Workshop on "Management of Breast Cancer" organized jointly by Delhi Medical Council and Dharamshilla Cancer Hospital, New Delhi on 31st March 2001.

X. TEACHING EXPERIENCE

**Designation/
Specialty**

Hospital/Institute

Duration

Senior Resident/ Demonstrator Anatomy	UCMS & GTB Hospital Shahdara, Delhi-95	2 yrs ,10mths
Junior Resident/ Pharmacology	MAMC and Assoc. LNJP & GB Pant Hospital, New Delhi	2 yrs, 5 mths
Senior Resident/ Pharmacology	MAMC and Assoc. LNJP New Delhi	3 yrs.
Asst. Professor/ Pharmacology	BPKIHS, Dharan Nepal.	3 yrs, 3 mths
Asst. Professor/ Pharmacology	LHMC & SSK Hospital New Delhi	2yrs
Assoc. Professor/ Pharmacology	LHMC & SSK Hospital New Delhi	4yrs
Professor/ Pharmacology	LHMC & SSK Hospital New Delhi	16 th Nov.'2005 to 15 th Nov. 2012 (7years)
Director Professor/ Pharmacology	LHMC & SSK Hospital New Delhi	16 th Nov.'2012 to till date

a. Teaching Activities

During 27 years of teaching experience, for the last 24 years I am actively involved in teaching Pharmacology to undergraduate students of MBBS, Nursing, Dental and Postgraduate students in MD (Pharmacology).

b. Methodology of teaching

While working as an Expert Medical Faculty, Assistant Professor (Pharmacology) at B. P. Koirala Institute of Health Sciences, which follows an integrated, problem based, community oriented and need-based curriculum, I was involved in teaching Pharmacology to undergraduate and postgraduate students. The curriculum was student centered and encouraged self-learning. There was good amount of vertical and horizontal interaction between Pre-clinical, Para-clinical and Clinical departments in undergraduate and postgraduate teaching, research, continued medical education, multi-disciplinary seminars and journal clubs. In addition to this, I was also teaching Clinical Pharmacology (Therapeutics, Rational Drug Use and Adverse Drug Reaction Monitoring) in clinical setting, on the similar pattern, presently at Lady Harding medical

College, I am teaching Clinical pharmacology to both under and post graduate students doing vertical and horizontal integration. I have supervised /co-supervised the thesis of several postgraduate students

XI. WORKING KNOWLEDGE

Working knowledge of High Performance Liquid Chromatography, Thin layer Chromatography, Spectrophotometer, Spectrofluorometer and ELISA reader. Using these equipment perform Therapeutic Drug Monitoring is done to optimize the therapy especially for drugs with narrow therapeutic index.

Conducted, coordinated and inspected several Toxicity (*in-vivo* and *in-vitro*) and Bio-availability & equivalence studies and Efficacy & Safety Clinical trials.

XII. MISCELLANEOUS AND EXTRA - CURRICULAR ACTIVITIES

1. Play cricket, basketball, Squash and Billiards
2. Photography, Sketching, Painting.
3. Founder and Life member of Indian Society for Rational Pharmacotherapeutics, Member Indian Pharmacological Society, Indian Society for Pain, Research and Therapy and Lipid Association of India.