

## CURRICULUM VITAE

Chandani Lewis M.B.B.S., M.S., M.D.

### **EDUCATION AND TRAINING:**

Bachelor of Medicine & Surgery (MBBS). 08/88-02/93  
Rajiv Gandhi University of Health Sciences  
St Johns Medical College, Bangalore, India.

Doctor of Medicine in Pharmacology (MD). 07/97-06/00  
Rajiv Gandhi University of Health Sciences  
St Johns Medical College, Bangalore, India.

Masters in Biomedical sciences (MS). 08/03-01/06  
Kent State University, Kent, Ohio, USA.

Doctor of Medicine in Psychiatry (MD). 07/09-06/13  
Department of Psychiatry  
University of Toledo, Toledo, OH, 43614

### **POSTGRADUATE MEDICAL EDUCATION (RESIDENCIES, FELLOWSHIPS):**

Residency Training in Psychiatry  
Department of Psychiatry 07/09-06/11  
Cleveland Clinic Foundation, Cleveland, OH, 44195

Department of Psychiatry 07/11-06/13  
University of Toledo, Toledo, OH, 43614

**Fellowship in Public and Community Psychiatry** 07/15-06/16  
Department of Psychiatry  
Case Western Reserve University School of Medicine  
Cleveland, OH 44106

### **EMPLOYMENT:**

MANAGER MEDICAL SERVICES  
UNICHEM LABORATORIES LTD, Mumbai, India 09/02-08/03  
Performed broad range of duties to support marketing efforts of neuro psychiatry division and coordinated Phase 1 and Phase 4 clinical trials while working at both these companies.

MEDICAL SUPPORT MANAGER.  
ABBOTT INDIA LIMITED, Mumbai, India 12/00-08/02

Performed broad range of duties to support marketing efforts of neuro psychiatry division and coordinated Phase 1 and Phase 4 clinical trials while working at both these companies.

POST DOCTORAL RESEARCH FELLOW

CLEVELAND CLINIC FOUNDATION, Cleveland, Ohio. 06/05-03/07  
Conducted experiments related to cell biology, vascular biology. Along with research was also responsible to set up the lab and was involved actively managing the lab.

INTERNSHIP

St. Johns Medical College Hospital, India 03/93-04/94  
Rotations in general medicine, surgery, obstetrics and gynecology, pediatrics, preventive medicine, anesthesiology, psychiatry

RESIDENT MEDICAL OFFICER

Gorretti Hospital, India. 02/95-02/97  
Extensive hands-on experience in; general medicine, surgery, obstetrics and gynecology, pediatrics and emergency medicine in Indian hospital set up.

STAFF PSYCHIATRIST

Zepf Center, Toledo, OH, 43617. 07/13- current  
MEDTAPP scholar 07/13-06/17  
Team Psychiatrist for the First Program (Lucas and Wood county) 10/14-Current  
Team Psychiatrist for ACT (Assertive Community Program) 10/16-Current

VOLUNTARY FACULTY

Department of Psychiatry 07/13-02/19  
University of Toledo, Toledo, OH, 43614.  
Moderator for UT psychiatry residents group 07/13-06/17  
Clinical preceptor for psychiatry Clerkship 07/13-Current

Assistant Professor 02/19-Current  
**Psychiatry Clerkship Director**  
**Director of Community and Public Psychiatry**  
Department of Psychiatry  
University of Toledo, Toledo, OH, 43614.

**CERTIFICATIONS/LICENSURES:**

Ohio Medical License, Registration No. 120609 2013  
American Board of Psychiatry and Neurology No. 66782 2013  
M.D.-Pharmacology 2000  
Karnataka Medical Council No. 38,498 1994

Bachelor of Medicine and Bachelor of surgery (M.B.B.S.)

1993

## **TEACHING EXPERIENCE**

MEDICAL STUDENT TEACHING

07/97-06/00

Doctor of Medicine in Pharmacology (MD)

Rajiv Gandhi University of Health Sciences

St Johns Medical College, Bangalore, India.

lectures and tutorials for the 2<sup>nd</sup> year medical students, in various topics of Pharmacology.

Topics taught are:

Drugs acting on cardiovascular system:

Drugs acting on the Central Nervous system:

1. Sedative- hypnotic drugs
2. General Anesthetics
3. Pharmacological management of Parkinsonism and other movement disorders.
4. Antipsychotic agents
5. Antidepressant agents
6. Case studies

TEACHING ASSISTANT FOR THE MICROBIOLOGY LAB

08/03-01/06

Masters in Biomedical sciences (MS).

Kent State University, Kent, Ohio, USA.

CLINICAL SUPERVISOR FOR PSYCHIATRY CLERKSHIP

01/14- Current

Department of Psychiatry

University of Toledo, Toledo, OH, 43614.

MODERATOR FOR PSYCHIATRY RESIDENTS GROUP

07/13-2017

Department of Psychiatry

University of Toledo, Toledo, OH, 43614.

Supervisor for Psychiatry residents

Meghana Medavaran

2017- 2018

Bhupinder Kaur

2018- 2019

Ryan Dixon

2019

Bushra Rizwan

2019-2020

SUPERVISOR MOONLIGHTING RESIDENTS

07/15-Current

Zepf Center, Toledo, OH, 43617.

I have supervised three residents in this capacity so far.

SUPERVISOR FOR ADVANCE PRACTICE NURSE

08/13-08/14

Zepf Center, Toledo, OH, 43617.

Have supervised one APN as direct and indirect supervisor.

**AWARDS AND COMMENDATIONS:**

- Awarded graduate teaching assistance ship for Masters program in Bio-medical sciences 2003.
- Agle Award: For the Best Poster Presentation at Cleveland Consultation Liaison Annual Meeting on May 4, 2011, Cleveland, for the poster Valproate-induced hyperammonemia in patients with psychiatric diagnosis at Lutheran hospital between 2005 -2009.
- Second place for the best Research Presentation on Research Day University of Toledo, May 2012. For the presentation on Valproate-induced hyperammonemia in patients with psychiatric diagnosis at Lutheran hospital between 2005 -2009.
- Ohio Department of Mental Health and Addiction Services (OhioMHAS) for the First episode psychosis recently approved for the fiscal Year 2016 -2017.
- Mental Health Recovery Services Board of Lucas county has approved grant for starting ACT program at Zepf Center.

**COMMITTEES, THE UNIVERSITY OF TOLEDO OR OTHER INSTITUTIONS:**

- Member of the Scientific committee for the Regional Pharmacology conference conducted in Bangalore, 2000.
- Social Chair for the Psychiatry Residency 2010
- Member of American Psychiatric Association (APA) since 2009
- Member of Ohio Psychiatric Association (OPA) since 2009
- Member of American Association of community psychiatry (AACCP) since 2015
- Committee member for Early Career Psychiatrist Committee since 2016
- Committee member CEO Search Committee for Zepf Center, Toledo. Ohio
  
- President of The Ohio Psychiatric Physicians Foundation (OPPF) from March 2018. Vice President of The Ohio Psychiatric Physicians Foundation (OPPF) from 2017-2019
- President of North West Ohio Psychiatric Physicians Association (NWOPPA) for the year 2018- 2019.
- Fellow of American Psychiatric Association 2018.
- Clinical Curriculum Committee, University of Toledo, 2018 to present.
- Academic Progress Committee University of Toledo, 2018 to present
- University of Toledo Psychiatry Resident Education Committee, 2013.
- University of Toledo Psychiatry Resident Selection Committee, 2018.

**EDITORIAL BOARD MEMBER OR REVIEWER (YEARS)**

Name of Publication: Comprehensive Psychiatry	Year: 2012
Name of Publication: Current Psychiatry	Year: 2017
Name of Publication: Journal of Medical Case Reports	Year: 2018

Name of Publication: Metabolic brain Disease

Year: 2019

## **TEACHING**

### **Curricula, Programs and Courses**

Lecture series on Pharmacology for Medical students: 1997- 2000

Recurring lecture series Anxiety disorders for third year clerkship: 2016 to present

Psychiatry Emergencies for third year clerkship: 2019 to present

Recurring lecture series Psychotic disorder: 2019 to present

BSPM (Behavioral Science and Psychiatric Medicine) Pharmacology course M2, 2019

Sleep Disorders: lecture for residents, 2019

Assertive community treatment program: Lecture for residents 2018

Psychiatry clerkship curriculum for the year 2019 for the third year medical students

Psychiatry clerkship curriculum for electives 2019 for fourth year medical students

### **MAJOR RESEARCH INTERESTS:**

- The Role of Carnitine supplementation for valproate induced hyperammonemic encephalopathy
- Valproate-induced hyperammonemia in patients with psychiatric diagnosis.
- First episode psychosis and treatment
- Molecular mechanism of hyperammonemic encephalopathy and role of Valproate treatment.
- Role of Arginase on endothelial dysfunction.
- Role of testosterone and estrogen on dopamine depletion caused by methamphetamine induced neurotoxicity.

### **BIBLIOGRAPHY**

Lewis C, Tesar GE, Dale R. Valproate-Induced Hyperammonemic Encephalopathy in General Hospital Patients With One or More Psychiatric Disorders. *Psychosomatics*. 2017 Jul - Aug;58(4):415-420.

Lewis C, Deshpande A, Tesar GE, Dale R. Valproate-induced hyperammonemic encephalopathy: a brief review. *Curr Med Res Opin*. 2012 Jun; 28(6):1039-42.

Lewis CM, Pavkov M, DiCorleto PE, Kashyap VS. Arginase Blockade Lessens Endothelial Dysfunction after Thrombosis. *J Vasc Surg*. 2008; 48 (2): 441-446.

Lewis C, Dluzen DE. Testosterone enhances dopamine depletion by methamphetamine in male,

but not female, mice. *Neuroscience Letters*. 2008; 48 (1): 130-133.

Yang L, Lewis CM, Chandrasekharan UM, Kinney CM, DiCorleto PE, Kashyap VS. Arginase activity is increased by thrombin: a mechanism for endothelial dysfunction in arterial thrombosis, 2006; 203:817-826. *Journal of the American College of Surgeons*. 2006; 203 (6): 817-826.

Lewis C., Maroli S., Karande S., Pawar D., Kulkarni S., (2001). Telmisartan: A review of its use in hypertension. *Indian Journal of Hypertension*. 2001; 5: 31-38.

N.D. Moulick., S. Maroli., V. Kukreja., M. Advani., V Ambavane., S Karande., R Tripathi., C Lewis., D Pawar., Evaluation of Efficacy and tolerability of a fixed-dose combination of Losartan 50mg.+ hydrochlorothiazide (HCTZ) 12.5 mg in the management of essential Hypertension. *Indian Journal of Hypertension*. 2001; 5: 12-19.

C Lewis , G Tesar, R Dale. The Role of Carnitine supplementation for valproate induced hyperammonemic encephalopathy in the psychiatric setting. Cleveland Clinic research day abstract book. Cleveland Clinic Research day; October 10, 2010; Cleveland.

C. Lewis , G Tesar,, R. Dale. Valproate-induced hyperammonemia in patients with psychiatric diagnosis at Lutheran hospital between 2005 -2009. Cleveland Clinic Research Day abstract book; October 12, 2010; Cleveland.

C. Lewis , G Tesar,, R. Dale. Valproate-induced hyperammonemia in patients with psychiatric diagnosis at Lutheran hospital between 2005 -2009. Cleveland Consultation Liaison Annual Meeting May 4, 2011; Cleveland.

C Lewis , G Tesar, RM Dale. The Role of Carnitine supplementation for valproate induced hyperammonemic encephalopathy in the psychiatric setting. 9th international conference on bipolar disorder; June 9-11, 2011; Pittsburg.

C. Lewis , G Tesar,, R. Dale. Valproate-induced hyperammonemia in patients with psychiatric diagnosis at Lutheran hospital between 2005 -2009. 9th International conference on Bipolar disorder; June 9-11, 2011; Pittsburgh.

Rao, Meghana M, Funke B, Lewis C., Myasthenia gravis with schizophrenia a rare combination with long- term treatment challenges. Poster presented at American Psychiatry Annual meeting, San Francisco, May 18-22, 2019.

Edminister J, Lewis C., Skin-picking behavior in a patient with schizoaffective disorder. Poster presented at 26th Annual Symposium on Research in Psychiatry, Psychology, and Behavioral Sciences, April 18, 2019.

## **PRESENTATIONS AND TALKS:**

Psychopharmacology Part 2, Behavioral Science and Psychiatric Medicine PSCH785, lecture for Medical students in April 2019.

“Assertive Community Treatment Program at Zepf Center (CMHC) in the Era of Medicaid Reform”. Workshop presented at 14<sup>th</sup> All Ohio Institute on Community Psychiatry, March 15-16, 2019.

“Assertive Community Treatment Program’ Workshop presented at ‘Zepf Con’ 2018, presented on Toledo Ohio, October 5, 2018 , 3100 Glendale Avenue, Toledo OH 43614.

‘Anxiety disorders’, Recurring lecture series for third year medical students, 2017 to present

‘Assertive community treatment program’ lecture for Psychiatry residents at University of Toledo, January, 2018

‘Assertive Community treatment program’ presentation of management case for Public and Community psychiatry fellows on March 2018, at Case Western Reserve University, Cleveland.

Case conference-Depakote induced hyperammonemia. Presented at: Resident conference. 12/8/2010.

Lewis, C. Update on Research and Treatment of Premenstrual Dysphoric Disorder. Presented at: Chairman's Journal Club. 06/23/2010.

Lewis C, Zhu W, Pavkov M, Kinney C, DiCorleto P, Kashyap VS. A mechanism for endothelial dysfunction after thrombosis. Presented at: Annual Research Day. 10/16/2007.

Lewis CM, Pavkov M, DiCorleto PE, Kashyap VS. Arginase Blockade Lessens Endothelial Dysfunction After Thrombosis. Presented at: Annual Research Day. 11/30/2006.

C. Lewis and D. E. Dluzen. Effect of Testosterone upon Methamphetamine-Induced Neurotoxicity of Striatal Dopamine within Male and Female Mice. Presented at: Joint Research Day. 02/18/2005.

C. Lewis, Dluzen D. E. Effect of Testosterone upon Methamphetamine-Induced Neurotoxicity of Striatal Dopamine within Male and Female Mice. Presented at Neuroscience 2004; San Diego, CA. 10/24/2004.

Meghana Medavaram, Barbara Funke, Chandani Lewis. Myasthenia Gravis with Schizophrenia: A rare combination with long-term treatment challenges; Presented at the Annual meeting APA, May 2019.

John Edminister, Chandani Lewis. Skin picking behavior in a patient with Schizoaffective disorder; Presented at the April 17, 2019 UT- BGSU-UMD research Symposium, University of Toledo.

Nathan Massengill, Chandani Lewis, Victoria Kelly. Shaking in their scrubs; Helping Medical Students Overcome Fears of Public speaking. Brief oral presentation. ADMSEP, Portland, ME, June 20-22, 2019.