

Capstone Research Projects

2012-2013

PHARMACEUTICAL SCIENCES

- 1. *Neurotoxic Effects of Acrylamide on Kappa Opioid Receptors in the Nervous System of Juvenile Rats***
Capstone Students: Michelle Dudek & Rainier O. Celi, PharmD Candidates
Capstone Research Mentor: Abir El-Alfy, PhD
Chicago State University College of Pharmacy (CSU-COP)
- 2. *Concentration Dependent Inhibition of Endocannabinoid Metabolizing Enzymes by Nutmeg Extracts***
Capstone Students: Sharon Joseph & Akshar Brahmbhatt, PharmD Candidates
Capstone Research Mentors: Abir El-Alfy, PhD & Ehab Abourashed, MS, PhD
Chicago State University College of Pharmacy (CSU-COP)
- 3. *Enhancing the Lipophilicity of Silybin by Esterification***
Capstone Students: Dereje Gemedra & Wenceslas Fanouth-Ngyessen, PharmD Candidates
Capstone Research Mentor: Ehab Abourashed MS, PhD
Chicago State University College of Pharmacy (CSU-COP)
- 4. *Preliminary Phytochemical Investigation of Cochlospermum angolense Bark***
Capstone Students: Vaidehi Thakkar & Jadwiga Zawada, PharmD Candidates
Capstone Research Mentor: Ehab Abourashed, MS, PhD
Chicago State University College of Pharmacy (CSU-COP)
- 5. *Isolation of Dendritic Cells from Splenic Tissue of Mice following Thermal Injury***
Capstone Students: Kalkidan Melaku & Ryan Bougher, PharmD Candidates
Capstone Research Mentor: Nadeem Fazal, MD, PhD
Chicago State University College of Pharmacy (CSU-COP)
- 6. *Acrolein-induced Oxidative Stress In NAD(P)H Oxidase Subunit gp91phox Knock Out Mice: Effects on Other Oxidant Systems and Total Antioxidant Status***
Capstone Students: James Walker, Chelsea Zhang, & Mahdieh Monfared, PharmD Candidates
Capstone Research Mentor: Mohammad Newaz, MD, PhD, FAHA
Chicago State University College of Pharmacy (CSU-COP)

7. ***Comparison of Parthenolide Levels in Aquaponically vs. Conventionally Grown *Tanacetum parthenium* feverfew***

Capstone Student: Chelsey Imel, PharmD Candidate

Capstone Research Mentor: Melany Puglisi, PhD & Ehab Abourashed, MS, PhD

Chicago State University College of Pharmacy (CSU-COP)

PHARMACY EDUCATION

8. ***Supplementation of First-Year Pharmacy Physiology Course with a Video Channel to Enhance Student Learning and Comprehension***

Capstone Students: Inderpreet Dhillon, Aisha Rauf, & Nahed Sobhy, PharmD Candidates

Capstone Research Mentor: Nadeem Fazal, MD, PhD

Chicago State University College of Pharmacy (CSU-COP)

9. ***Impact of Social Media on Student Engagement***

Capstone Students: Jeffrey Bowman & Daniel Nyakundi, PharmD Candidates

Capstone Research Mentor: Antoine Jenkins, PharmD, BCPS

Chicago State University College of Pharmacy (CSU-COP)

10. ***CSU Pharmacy Student Knowledge of Women's Health Topics***

Capstone Students: Melissa Jackson & Kelly Reder, PharmD Candidates

Capstone Research Mentor: Janene Marshall, PharmD, BCPS

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

11. ***Are you a Good Pharmacist?: Evaluation of CSU-COP Student Pharmacist Characteristics, Virtues, and Habits***

Capstone Student: Tiffany Brown, PharmD Candidate

Capstone Research Mentors: Miriam Mobley Smith, PharmD & Don Brower, BS Pharm

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

12. ***Longitudinal Assessment of Critical Thinking Among Pharmacy Students***

Capstone Students: Samuel Mends & Olayide Shodunke, PharmD Candidates

Capstone Research Mentor: Dolores Nobles-Knight, PharmD, MPH

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

13. ***Student Attitudes Towards Course Evaluations***

Capstone Students: Maribel Thiebaud & Patrycja Lomozik, PharmD Candidates

Capstone Research Mentor: Allison Rose, PsyD

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

14. *Correlations with Academic Success in a Pharmacy School Curriculum*

Capstone Students: Irwin Obispo, Rohit Burde & Jihee Kang, PharmD Candidates

Capstone Research Mentor: Joseph Slonek, PhD, RPh

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

15. *Student Performance and Views on Effort in an Elective Course in a College of Pharmacy*

Capstone Students: Elvis Nathan & Jacob Salaysay, PharmD Candidates

Capstone Research Mentor: Joseph Slonek, PhD, RPh

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

16. *Exercise and Stress, the Correlation with Academic Progress (ES-CAP): Managing Stress to Improve Academic Performance in Pharmacy School Students*

Capstone Students: Bill Oben, Ali Mehdi & Swati Patel, PharmD Candidates

Capstone Research Mentor: Sneha Srivastava, PharmD, BCACP & Yolanda Hardy, PharmD

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

17. *Capstone Research Projects & Beyond: Perceptions of Fourth Year Professional Students on Pharmacy Job Attainment*

Capstone Students: Blaine Gooch & Nicole Serafin, PharmD Candidates

Capstone Research Mentor: Rosalyn P. Vellurattil, PharmD, CDE

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

PHARMACY PRACTICE

18. *Evaluating the Benefits of Patient Assessment Course: The Student Perspectives*

Capstone Students: Lara Akintilo & Loren Reid, PharmD Candidates

Capstone Research Mentor: Yolanda Hardy, PharmD

Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

19. *Establishing a Blood Pressure Service*

Capstone Student: Zura Liaqat, PharmD Candidate

Capstone Research Mentor: Yolanda Hardy, PharmD

Target Pharmacy, Chicago, IL

20. *Addition of Fluticasone/Salmeterol Dry Powder Inhaler to the Formulary at a Large Academic Medical Center*

Capstone Students: Latasha Guy & Kristopher Leja, PharmD Candidates

Capstone Research Mentor: Leah Bentley, PharmD, BCPS

University of Chicago Medical Center, Chicago, IL

- 21. *A Retrospective Evaluation of a possible Drug-Drug Interaction between Infusional 5-fluorouracil and Metronidazole in Head and Neck Cancer Patients***
Capstone Students: Tatiana Backiev Mauda, Theresa Geraghty, Tochi Ohale & Saad Awan, PharmD Candidates
Capstone Research Mentors: Rakesh Beri, PharmD, BCOP & Alana Dikopf, PharmD, BCOP
University of Chicago Medical Center, Chicago, IL
- 22. *A Retrospective Evaluation of Incidence of Venous Thromboembolism in Head and Neck Cancer Patients Receiving Chemotherapy and Radiation***
Capstone Students: Heather Lei, Elizabeth Lee, Sweta Patel & Rahmath Safvi, PharmD Candidates
Capstone Research Mentors: Rakesh Beri, PharmD, BCOP & Alana Dikopf, PharmD, BCOP
University of Chicago Medical Center, Chicago, IL
- 23. *Accuracy of Healthcare-Associated Pneumonia as the Selected Indication on Physician-entered Antibiotic Orders***
Capstone Students: Alexander Keppel & Tim Ho, PharmD Candidates
Capstone Research Mentor: John Esterly, PharmD, BCPS
Northwestern Memorial Hospital, Chicago, IL
- 24. *Establishing a Travel Health Clinic in an Independent Community Pharmacy***
Capstone Students: Nick Venvertloh & Hajra Baloch, PharmD Candidates
Capstone Research Mentor: Yolanda Hardy, PharmD & Renny Kurup, PharmD
Halsted HealthMart Pharmacy, Chicago, IL
- 25. *Pharmacy Student Created Medical Device Training Service in a Community Setting***
Capstone Students: Tramy Ton & Ryan Johnson, PharmD Candidates
Capstone Research Mentors: Yolanda Hardy, PharmD & Sabah Hussein, PharmD
Franciscan Physician Network, Chicago, IL
- 26. *The Impact of Blood Pressure Screenings on Patients Follow-up with a Healthcare Provider***
Capstone Students: Maju Simon, Haroon Vohra & Logan Vela, PharmD Candidates
Capstone Research Mentor: Diana Isaacs, PharmD, BCPS
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL
- 27. *Health Education and Adherence to Lifestyle Enhancements (HEALE) Trial***
Capstone Student: Chennelle Herren, PharmD Candidate
Capstone Research Mentors: Charisse Johnson, MS, PharmD & Yolanda Hardy, PharmD
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

28. *Assessment of Heart Failure Patient Discharge Medication Regimens Upon Re Admission in a Teaching Hospital*

Capstone Students: Gabrielle Wells & Mikendra Wilburn, PharmD Candidates
Capstone Research Mentor: Janene Marshall, PharmD, BCPS
Mount Sinai Hospital, Chicago, IL

29. *Pharmacist led Phone Calls after Hospital Discharge and Acute Decompensated Heart Failure Readmissions*

Capstone Students: Stacey Dust, Diana Hegazin & Kelsey Pieper, PharmD Candidates
Capstone Research Mentor: Michael Moranville, PharmD, BCPS
University of Chicago Medical Center, Chicago, IL

30. *Availability, Accessibility, and Utilization of Pharmacist-Provided In An Urban Neighborhood: A Descriptive Study*

Capstone Students: Aarati Shah, Kimberlyn Ariwodo, & Anthony Vu, PharmD Candidates
Capstone Research Mentor: Dolores Nobles-Knight, PharmD, MPH
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

31. *Impact and Perception of Senior Buddy Program on Community Dwelling Older Adults*

Capstone Student: Magdalena Oberschlake, PharmD Candidate
Capstone Research Mentor: Angela Riley, PharmD, CGP
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

32. *Comparison of Traditional Point of Care Testing in an Anticoagulation Clinic versus Home Self-Testing*

Capstone Students: Riddhi Parikh & Chandni Patel, PharmD Candidates
Capstone Research Mentor: Sneha Srivastava, PharmD, BCACP
Chicago State University College of Pharmacy (CSU-COP), Chicago, IL

33. *Quantification of Pharmacists' Interventions after Electronic Medical Records Implementation*

Capstone Students: Whitney Cheng & Liyun Grace Lin, PharmD Candidates
Capstone Research Mentor: Richard Wenzel, PharmD
St. Joseph Hospital, Chicago, IL

34. *The Effect of the use of the Oral Anticoagulation Knowledge (OAK) test on Patient Adherence and Outcomes*

Capstone Student: Jennifer Kim, PharmD Candidate
Capstone Research Mentor: Deborah Harper-Brown, PharmD
Specialty Physicians of Illinois, Olympia Fields, IL

35. *Patients' Perceptions of a Community Pharmacy-based New Parent Program in the Urban and Inner-city Population*

CSU-COP Pharmacy Resident: Bijal Patel, PharmD

Research Mentors: Sonali Kshatriya, PharmD, Sabah Hussein, PharmD & Emily Shafer, PharmD
Dominick's Pharmacy, Chicago, IL

PUBLIC HEALTH

36. *Investigating Health Disparities in Patients with Hypertension*

Capstone Students: Inayath Khan & Stella Houmpavlis, PharmD Candidates

Capstone Research Mentor: Heather Fields, PharmD, MPH, BCACP

Chicago State University College of Pharmacy (CSU-COP)

37. *Evaluating the Effectiveness of a Pharmacist-Provided Group Cigarette Smoking Cessation Program*

Capstone Student: Vivian Osuji, PharmD Candidate

Capstone Research Mentor: Sabah Hussein, PharmD

Chicago State University College of Pharmacy (CSU-COP)

38. *Encouraging Inner City 9-12th Graders of Chicago to Refrain From using Substances of Abuse through a Pharmacology-Based Curriculum*

Capstone Student: Alicia Ross, PharmD Candidate

Capstone Research Mentors: Charisse Johnson, PharmD, MS, Ehab Abourashed, MS, PhD, & Abir El-Alfy, PhD

Chicago State University College of Pharmacy (CSU-COP)

39. *The Pharmacist as a Public Resource*

Capstone Students: Ankit Patel & James Rodriguez, PharmD Candidates

Capstone Research Mentor: Joseph Slonek, PhD, RPh

Chicago State University College of Pharmacy (CSU-COP)

40. *Perceptions of a Compact Aquaponics System in the Inner City Neighborhoods of Chicago: A Potential Solution to Food Deserts and Nutritional Deficiencies in the Community*

Capstone Students: Ihuoma Ozoh & Frank Betah, PharmD Candidates

Capstone Research Mentor: Rosalyn P. Vellurattil, PharmD, CDE & Diana Isaacs, PharmD, BCPS

Chicago State University College of Pharmacy (CSU-COP)