

ASAD (SID) PATANWALA

asad.patanwala@sydney.edu.au

EMPLOYMENT

- 07/2018 – Present Professor and Chair of Clinical Pharmacy
University of Sydney School of Pharmacy | Royal Prince Alfred Hospital,
Sydney, NSW, Australia
- 07/2019 – Present Clinical Pharmacy Specialist – Critical Care
Royal Prince Alfred Hospital, Sydney Local Health District
Sydney, NSW, Australia
- 07/2013 – 06/2018 Associate Professor (non-tenure eligible)
Department of Pharmacy Practice & Science, College of Pharmacy, University
of Arizona, Tucson, AZ
- 07/2013 – 06/2018 Assistant Director of Postdoctoral Fellowship Programs
Clinical Research in Human Therapeutics, and Clinical Outcomes and
Comparative Research, Center for Health Outcomes and Pharmacoeconomic
Research (HOPE), College of Pharmacy, University of Arizona, Tucson, AZ
- 06/2006 – 06/2013 Assistant Professor (non-tenure eligible)
Department of Pharmacy Practice & Science, College of Pharmacy, University
of Arizona, Tucson, AZ
- 06/2006 – 06/2018 Clinical Pharmacy Specialist
Emergency Medicine, University of Arizona Medical Center, Tucson, AZ
- 06/2002 – 06/2004 Staff Pharmacist
Department of Pharmaceutical Services, University of Chicago Hospitals,
Chicago, IL

EDUCATION

- 07/2012 – 12/2016 Master of Public Health (Biostatistics)
The University of Arizona, Tucson, AZ
- 06/2009 – 06/2009 Focused Investigator Training Program
American College of Clinical Pharmacy, Salt Lake City, UT
- 07/2005 – 06/2006 Critical Care Specialty Resident and Chief Pharmacy Resident
Department of Pharmacy Practice & Science, College of Pharmacy, University
of Arizona, Tucson, AZ
Program Director: Brian Erstad

Asad (Sid) Patanwala

- 07/2004 – 06/2005 Pharmacy Practice Resident
Department of Pharmacy Practice & Science, College of Pharmacy, University
of Arizona, Tucson, AZ
Program Director: Bill Fritz
- 08/1998 – 05/2002 Doctor of Pharmacy
Drake University, Des Moines, IA
- 08/1996 – 05/1998 Pre-Pharmacy Program
Drake University, Des Moines, IA

LICENSE/CERTIFICATIONS

- 10/2023 – Present Pharmacogenomics Certificate
Mayo Clinic, Rochester, MN
- 06/2022 – Present Board Certified Critical Care Pharmacist
Board of Pharmacy Specialties (U.S.)
- 02/2019 – Present Registered Pharmacist (Australia, NSW)
NSW License # PHA0002319973
- 07/2002 – Present Registered Pharmacist (U.S.)
Arizona License #S014232
- 12/2005 – 12/2019 Board Certified Pharmacotherapy Specialist
Board of Pharmacy Specialties (U.S.)

AWARDS & HONORS

- 2021 **Makers and Shapers Award**
Faculty of Medicine and Health, University of Sydney
*This is a team award for teaching excellence. Award received for our
implementation of medication reconciliation services in the Sydney Local
Health District*
- 2018 **Faculty Preceptor of the Year**
College of Pharmacy, University of Arizona
*Awarded to one faculty member annually who selected by students at the
College of Pharmacy*
- 2016 **Fellowship (FASHP)**
American Society of Health-System Pharmacists
*Recognizes excellence in pharmacy practice. Fellowship is awarded to those
who have extensive experience and contribution to the profession and have
distinguished themselves in practice*

- 2016 **Clinical Science Educator of the Year**
College of Pharmacy, University of Arizona
Awarded to one faculty member annually who selected by students at the College of Pharmacy
- 2015 **Fellowship (FCCP)**
American College of Clinical Pharmacy
Recognizes excellence in the practice and science of clinical pharmacy. Fellowship is awarded to individuals who have made sustained contributions to the College and who have demonstrated exceptional performance in clinical pharmacy practice and/or research.
- 2015 **Alumni Achievement Award,**
Drake University, Des Moines, IA
Graduate of the college who has excelled with regard to distinction in his/her career, service to the college, and recognized civic/community contributions
- 2013 **Pharmacy Practice Literature Award,**
American Society of Health-System Pharmacists
This award recognizes an outstanding original contribution to the peer-reviewed biomedical literature related to pharmacy practice in hospitals and health systems. One award is given annually in the pharmacy profession. Given for Ann Emerg Med. 2012 May;59(5):369-73
- 2012 **New Clinical Practitioner Award,**
American College of Clinical Pharmacy
Given annually to one new clinical practitioner for outstanding contributions to clinical pharmacy practice and patient care
- 2012 **Clinical Science Educator of the Year [Runner-up]**
College of Pharmacy, University of Arizona
Awarded to runner-up for the Educator of the Year award given to one faculty member annually
- 2012 **Best Poster Award**
American College of Clinical Pharmacy
Award given for abstract - Pharmacotherapy. 2012;32:e130
- 2012 **Certificate of Appreciation Scholar Quest,**
Arizona Emergency Medicine Research Center
Given annually to research mentors for the Department of emergency medicine
- 2011 **Certificate of Appreciation Scholar Quest,**
Arizona Emergency Medicine Research Center
Given annually to research mentors for the Department of emergency medicine

- 2010 **Clinical Science Educator of the Year [Runner-up]**
College of Pharmacy, University of Arizona
Awarded to runner-up for the Educator of the Year award given to one faculty member annually
- 2009 **Presidential Citation**
Society of Critical Care Medicine. 2009
Given annually to members who have made outstanding contributions to the Society of Critical Care Medicine

HOSPITAL AND GOVERNMENT LEADERSHIP & SERVICE

- 2019 – Present Individual Patient Use Drug Committee
Royal Prince Alfred Hospital, Camperdown, Australia
- 2024 - Present **Deputy Chair.** Clinical Trials Subcommittee [Ethics committee]
Sydney Local Health District (RPAH Zone)
- 2018 - Present Clinical Trials Subcommittee [Ethics committee]
Sydney Local Health District (RPAH Zone)
- 2018 – Present Drug and Therapeutics Committee
Royal Prince Alfred Hospital, Camperdown, Australia
- 2018 – Present Medication Safety Committee
Royal Prince Alfred Hospital, Camperdown, Australia
- 2017 – 2018 Ethics Committee (Institutional Review Board)
Banner University Medical Center, Tucson, AZ, U.S.
- 2017 – 2018 PGY1 Pharmacy Residency Advisory Committee
Banner University Medical Center, Tucson, AZ, U.S.
- 2017 – 2018 Cadiopulmonary Resuscitation Committee
Banner University Medical Center, Tucson, AZ, U.S.
- 2015 – 2018 PGY2 Emergency Pharmacy Residency Advisory Group
Banner University Medical Center, Tucson, AZ, U.S.
- 2011 – 2013 Pain Team Committee
Banner University Medical Center, Tucson, AZ, U.S.
- 2008 – 2014 Emergency Department Continuous Process Improvement Committee
Banner University Medical Center, Tucson, AZ, U.S.
- 2007 – 2013 Surviving Sepsis Committee
Banner University Medical Center, Tucson, AZ, U.S.
- 2008 – 2018 PGY2 Critical Care Residency Advisory Group
Banner University Medical Center, Tucson, AZ, U.S.

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| 2007 – 2014 | PGY1 Pharmacy Residency Selection Group Banner University Medical Center, Tucson, AZ, U.S. |
| 2007 – 2018 | Facilitator for Interprofessional Education Banner University Medical Center, Tucson, AZ, U.S. |

ORGANIZATION AND COMMUNITY LEADERSHIP & SERVICE

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| 2024 – Present | Medication Safety and Advisory Committee Clinical Excellence Commission New South Wales, Australia |
| 2023 – Present | Abstract reviewer Society of Hospital Pharmacists of Australia |
| 2023 – Present | Abstract reviewer Australian and New Zealand Intensive Care Society |
| 2022 – Present | Research Leadership Committee Society of Hospital Pharmacists of Australia |
| 2023 – 2023 | Poster judge Society of Hospital Pharmacists of Australia |
| 2023 – 2023 | Allied Health Research Judge Australian and New Zealand Intensive Care Society |
| 2020 – 2021 | Chair. Editorial Committee NSW Therapeutic Advisory Group |
| 2019 – 2023 | Guideline Panel, Rapid Sequence Intubation Society of Critical Care Medicine |
| 2015 – 2019 | Research Committee Emergency Medicine Network, American College of Clinical Pharmacy |
| 2015 – 2016 | Chair. Emergency Medicine Network American College of Clinical Pharmacy |
| 2014 – 2015 | Chair-Elect. Emergency Medicine Network American College of Clinical Pharmacy |
| 2014 – 2015 | Chair. Program Committee, Emergency Medicine Network, American College of Clinical Pharmacy |
| 2014 – 2016 | Program Committee, Critical Care Network, American College of Clinical Pharmacy |

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| 2014 – 2016 | Research Committee, Critical Care Network, American College of Clinical Pharmacy |
| 2014 – 2016 | Research Liaison Pharmacy Section, Society of Critical Care Medicine |
| 2014 – 2016 | Research Committee (Clinical Pharmacy and Pharmacology) Society of Critical Care Medicine |
| 2013 – 2015 | Exam Panel Clinical Pharmacy Challenge, American College of Clinical Pharmacy |
| 2013 – 2018 | Program Review Panel American Society of Health-System Pharmacists |
| 2013 – 2018 | Drug Therapy Research Award Review Panel American Society of Health-System Pharmacists |
| 2012 – 2013 | Chair. Clinical Pharmacy Challenge American College of Clinical Pharmacy |
| 2012 – 2012 | Review Panel. Award for Innovation in Pharmacy Practice American Society of Health-System Pharmacists |
| 2011 – 2012 | Secretary/Treasurer. Emergency Medicine Network. American College of Clinical Pharmacy |
| 2009 – 2011 | Advisory Group in Emergency Care American Society of Health-System Pharmacists |
| 2009 – 2011 | Review Panel. Junior Investigator Grant American Society of Health-System Pharmacists |
| 2010 – 2010 | Review Panel. PSAP Critical and Urgent Care III American College of Clinical Pharmacy |
| 2008 – 2010 | Program Committee. Emergency Medicine Network American College of Clinical Pharmacy |
| 2008 – 2009 | Chair. Program Committee (Clinical Pharmacy and Pharmacology) Society of Critical Care Medicine |
| 2008 – 2009 | Communications Committee. Critical Care Network American College of Clinical Pharmacy |
| 2007 – 2008 | Vice-Chair. Program Committee (Clinical Pharmacy and Pharmacology) Society of Critical Care Medicine |
| 2007 – 2008 | Pre-symposium Planning Committee American College of Clinical Pharmacy |

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| 2006 – 2007 | Communications Committee (Clinical Pharmacy and Pharmacology) Society of Critical Care Medicine |
| 2006 – 2015 | Student-Faculty Liaison (University of Arizona Students) American College of Clinical Pharmacy |
| 2005 – 2005 | Katrina Hurricane Relief Planning University of Arizona |

UNIVERSITY LEADERSHIP & SERVICE

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| 2023 – Present | Theme Lead: Clinical Decision Making Sydney Pharmacy School, University of Sydney |
| 2022 – 2023 | Graduate Studies Committee University of Sydney |
| 2023 – Present | Chair. Higher Degree Research Progress Review Panel Faculty of Medicine and Health, University of Sydney |
| 2020 - 2021 | Chair. Doctor of Pharmacy Work Group Sydney Pharmacy School, University of Sydney |
| 2018 – 2019 | Chair. Curriculum Design Work Group Sydney Pharmacy School, University of Sydney |
| 2017 - 2017 | Faculty Search Committee College of Pharmacy, University of Arizona |
| 2016 – 2018 | Mission, Vision & Planning Committee College of Pharmacy, University of Arizona |
| 2014 – 2015 | Faculty Status Committee College of Pharmacy, University of Arizona |
| 2013 – 2014 | Chair. Mission, Vision & Planning Committee College of Pharmacy, University of Arizona |
| 2012 – 2015 | Phoenix-Strategic Planning Committee College of Pharmacy, University of Arizona |
| 2012 – 2017 | Assessment Committee College of Pharmacy, University of Arizona |
| 2011 – 2013 | Residency Preparation Committee College of Pharmacy, University of Arizona |

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| 2008 – 2012 | Non-Tenure Eligible Faculty Search Committee College of Pharmacy, University of Arizona |
| 2011 – 2011 | Budget Review Committee College of Pharmacy, University of Arizona |
| 2010 – 2010 | Student Complaints ad hoc Committee College of Pharmacy, University of Arizona |
| 2009 – 2011 | Executive Council College of Pharmacy, University of Arizona |
| 2008 – 2010 | Peer Evaluation Committee College of Pharmacy, University of Arizona |
| 2007 – 2010 | Mission, Vision & Planning Committee College of Pharmacy, University of Arizona |
| 2007 – 2017 | Interviewer for College of Pharmacy Admission College of Pharmacy, University of Arizona |
| 2006 – 2007 | Pharmacotherapeutics ad hoc Committee College of Pharmacy, University of Arizona |
| 2007 – 2008 | Admissions Committee College of Pharmacy, University of Arizona |
| 2008 – 2012 | Evaluation and Special Study Committee College of Pharmacy, University of Arizona |

EDITORIAL BOARD

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| 2019 – 2022 | Senior Associate Editor American Journal of Health-System Pharmacy |
| 2018 – 2019 | Contributing editor for research American Journal of Health-System Pharmacy |
| 2011 – 2022 | Editorial board member American Journal of Health-System Pharmacy |

JOURNAL REFEREE

- Academic Emergency Medicine
- Annals of Emergency Medicine
- Annals of Pharmacotherapy
- American Journal of Health-System Pharmacy

- BMC Emergency Medicine
- Canadian Journal of Hospital Pharmacy
- Chest
- Critical Care Medicine
- Drugs and Aging
- Drugs
- Journal of Critical Care
- Journal of Intensive Care Medicine
- Pharmacotherapy
- Research in Social and Administrative Pharmacy
- The Medical Letter

RESEARCH SUPERVISION

Post-Doctoral Fellows

| | |
|-------------|---|
| 2019 – 2021 | Sujita Narayan [PhD] University of Sydney |
| 2017 – 2018 | Moteb Khobrani [PharmD] HOPE Center, University of Arizona |
| 2017 – 2018 | Ahmed Aljabri [PharmD] HOPE Center, University of Arizona |
| 2015 – 2016 | Khalid Eljaaly [PharmD] HOPE Center, University of Arizona |
| 2014 – 2015 | Ohoud Aljuhani [PharmD] HOPE Center, University of Arizona |
| 2014 – 2015 | Ahmed Altyar [PharmD] HOPE Center, University of Arizona |
| 2013 – 2014 | Hussain Bakhsh [PharmD] HOPE Center, University of Arizona |

PhD / MPHIL Students

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| 2023 – Present | Marjan Kandimahforoujaki [PhD - Primary Supervisor] University of Sydney |
| 2023 – Present | Katelyn Jauregui [PhD - Secondary Supervisor] University of Sydney |
| 2021 – 2024 | Martina Francis [PhD - Secondary Supervisor] University of Sydney |

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| 2021 – 2023 | Shania Liu [PhD - Secondary Supervisor] University of Sydney |
| 2022 – 2023 | Benita Suckling [MPhil – Secondary Supervisor] University of Sydney |
| 2020 – 2023 | Arwa Abu Sardaneh [PhD - Primary supervisor] University of Sydney |
| 2019 – 2022 | Xinyi (Cristina) Wang [PhD - Primary supervisor] University of Sydney |

BPharm Honours Students

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| 2023 - 2023 | Taryar Tun [Primary supervisor] University of Sydney |
| 2023 - 2023 | Sophie Young [Primary supervisor] University of Sydney |
| 2022 – 2022 | Brydget Aguilar [Primary supervisor] University of Sydney |
| 2022 – 2022 | Katelyn Phinn [Secondary supervisor] University of Sydney |
| 2021 – 2021 | Jasmine Li [Primary supervisor] University of Sydney |
| 2021 – 2021 | Chin Hang Yiu [Secondary supervisor] University of Sydney |
| 2020 – 2020 | Shruti Goradia [Primary supervisor] University of Sydney |
| 2019 – 2019 | Hui Ping Tay [Primary supervisor] University of Sydney |
| 2019 – 2019 | Rebecca Awadalla [Secondary supervisor] University of Sydney |

Pharmacy Residents [Post-PharmD]

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| 2018 – 2018 | Felicia Wong University of Arizona |
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| 2018 – 2018 | Shannon Sullivan University of Arizona |
| 2018 – 2018 | Brittany Dewey University of Arizona |
| 2017 – 2017 | Stephanie Seaman University of Arizona |
| 2017 – 2017 | Jessica DeAngelo University of Arizona |
| 2017 – 2017 | Sumaiah Alarfaj University of Arizona |
| 2016 – 2016 | Emily Kilber University of Arizona |
| 2015 – 2015 | Jawaher Gramish University of Arizona |
| 2014 – 2014 | Echo Fallon University of Arizona |
| 2013 – 2013 | Hanin Bogari University of Arizona |
| 2013 – 2013 | Courtney McKinney University of Arizona |
| 2012 – 2012 | Amanda Shearin University of Arizona |
| 2012 – 2012 | Sonia Vainrub University of Arizona |
| 2013 – 2013 | John Radosevich University of Arizona |
| 2012 – 2012 | Brittney Traylor University of Arizona |
| 2011 – 2011 | Karalea Jasiak University of Arizona |
| 2011 – 2011 | Anna Christich University of Arizona |
| 2012 – 2012 | Karen Holmes University of Arizona |

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| 2011 – 2011 | Christopher Edwards University of Arizona |
| 2010 – 2010 | Jennifer Baggs University of Arizona |
| 2009 – 2009 | Adam Biggs University of Arizona |
| 2009 – 2009 | Sarah Stahle University of Arizona |

Medical Residents [Post-MD]

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| 2014 - 2014 | Richard Amini University of Arizona |
| 2014 - 2014 | Albert Amini University of Arizona |
| 2014 - 2014 | John Watt University of Arizona |
| 2013 - 2013 | Justin Korinek University of Arizona |
| 2013 - 2013 | Lori Stolz University of Arizona |

PharmD Students

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| 2017 - 2017 | Kianaz Kamangar University of Arizona |
| 2015 - 2015 | Michaela Johnson-Clague University of Arizona |
| 2015 - 2015 | Kathryn Elofson University of Arizona |
| 2015 - 2015 | Sarah Rhoads University of Arizona |
| 2014 - 2014 | Alina Kurita University of Arizona |
| 2014 - 2014 | Elaine Truong |

University of Arizona

2011 - 2011 Bradley Wenderoth
University of Arizona

2011 - 2011 Elizabeth Kaneda
University of Arizona

2010 - 2010 Evan Williams
University of Arizona

JOURNAL ARTICLES PUBLISHED

(*Indicates senior or corresponding author)

1. **Patanwala AE***, Xiao X, Hills TE, Higgins AM, McArthur CJ, Alexander GC, Mehta HB; National Covid Cohort Collaborative (N3C) Consortium. Comparative Effectiveness of Baricitinib Versus Tocilizumab in Hospitalized Patients With COVID-19: A Retrospective Cohort Study of the National Covid Collaborative. Crit Care Med. 2024 Oct 4. doi: 10.1097/CCM.0000000000006444. Epub ahead of print. PMID: 39365115.
2. Jauregui K, Liu S, **Patanwala A**, Begley D, Khor KE, Bugeja B, Fong I, Rimington J, Penm J. Effectiveness of a discharge analgesia guideline on discharge opioid prescribing after a surgical procedure from a tertiary metropolitan hospital. J Opioid Manag. 2024 Jul-Aug;20(4):329-338. doi: 10.5055/jom.0863. PMID: 39321053.
3. **Patanwala AE***, Abu Sardaneh A, Alffenaar JC, Choo CL, Dey AL, Duffy EJ, Green SE, Hills TE, Howle LM, Joseph JA, Khuon MC, Koppen CS, Pang F, Park JY, Parlicki MA, Shah IS, Tran K, Tran P, Wills MA, Xu JH, Youssef M; ADEPT Study Investigators and Collaborators. Antibiotic De-Escalation Practices in the Intensive Care Unit: A Multicenter Observational Study. Ann Pharmacother. 2024 Aug 27:10600280241271223. doi: 10.1177/10600280241271223. Epub ahead of print. PMID: 39192570.
4. Appay M, Lai J, Hay J, Calvisi C, Wills G, Kharadi S, Nanayakkara S, Ryu JS, Alameddine R, Jupp S, Lin M, Nguyen J, Nguyen T, Harrison N, Gad F, Kagaya S, Nguyen L, Piyush S, Shion V, Pandya A, Emin M, Lim ES, Rahman U, Hayat F, Gajaweera C, Sheriff N, **Patanwala AE**, Pasalic L, Alffenaar JW. Finding individualised treatment in obese needing enoxaparin (FIT ONE): a multicentre study of therapeutic enoxaparin and the role of anti-factor Xa monitoring. J Thromb Thrombolysis. 2024 Aug 27. doi: 10.1007/s11239-024-03033-7. Epub ahead of print. PMID: 39190243.
5. Francis M, Francis P, Makeham M, Baysari MT, **Patanwala AE**, Penm J. Using personal health records for medication continuity during transition of care: An observational study. Health Inf Manag. 2024 Aug 26:18333583241270215. doi: 10.1177/18333583241270215. Epub ahead of print. PMID: 39183671.
6. Liu S, **Patanwala AE**, Naylor JM, Stevens JA, Bugeja B, Begley D, Khor KE, Lau E, Adie S, Penm J. Response Letter to Pamela E Macintyre's Letter to the Editor. J Pain. 2024 Sep;25(9):104558. doi: 10.1016/j.jpain.2024.104558. PMID: 39181575.

7. Liu S, **Patanwala AE**, Stevens J, Penm J, Naylor J; OpioidHALT Study Investigators and Coordinators. A pilot multicentre randomised clinical trial to determine the effect of a pharmacist-partnered opioid tapering intervention before total hip or knee arthroplasty. *Anaesthesia*. 2024 Nov;79(11):1180-1190. doi: 10.1111/anae.16390. Epub 2024 Jul 31. PMID: 39083657.
8. Cao Z, Han K, Lu H, Illangamudalige S, Shaheed CA, Chen L, McLachlan AJ, **Patanwala AE**, Maher CG, Lin CC, March L, Ferreira ML, Mathieson S. Paracetamol Combination Therapy for Back Pain and Osteoarthritis: A Systematic Review and Meta-Analyses. *Drugs*. 2024 Aug;84(8):953-967. doi: 10.1007/s40265-024-02065-w. Epub 2024 Jun 28. PMID: 38937394; PMCID: PMC11343817.
9. Ferreira GE, **Patanwala AE**, Turton H, Langford AV, Harris IA, Maher CG, McLachlan AJ, Glare P, Lin CC. How is postoperative pain after hip and knee replacement managed? An analysis of two large hospitals in Australia. *Perioper Med (Lond)*. 2024 May 31;13(1):49. doi: 10.1186/s13741-024-00403-w. PMID: 38822448; PMCID: PMC11143609.
10. Wehbe E, **Patanwala AE**, Lu CY, Kim HY, Stocker SL, Alffenaar JC. Therapeutic Drug Monitoring and Biomarkers; towards Better Dosing of Antimicrobial Therapy. *Pharmaceutics*. 2024 May 17;16(5):677. doi: 10.3390/pharmaceutics16050677. PMID: 38794338; PMCID: PMC11125587.
11. Tun T, Marinelli T, Liu K, Strasser SI, Crawford M, **Patanwala AE***. Low rate of surgical site infections after liver transplantation: A 5-year retrospective cohort study. *Transpl Infect Dis*. 2024 Apr 11:e14280. doi: 10.1111/tid.14280. Epub ahead of print. PMID: 38605586.
12. Genel F, Harris IA, Pavlovic N, Lewin A, Mittal R, Huang AY, Penm J, **Patanwala AE**, Brady B, Adie S, Naylor JM. Does preoperative opioid use predict outcomes to 6 months following primary unilateral knee or hip arthroplasty for osteoarthritis? A data-linked retrospective study. *Arthroplasty*. 2024 Mar 5;6(1):11. doi: 10.1186/s42836-024-00234-6. PMID: 38438888; PMCID: PMC10913630.
13. Lai M, Lam JC, Radosevich JJ, **Patanwala AE**, Vijayakrishnan R. Levels of Albumin and Impact on Loop Diuretic and Albumin Co-administration in Heart Failure (LILAC-HF). *J Cardiovasc Pharmacol*. 2023 Nov 17. doi:10.1097/FJC.0000000000001513. Epub ahead of print. PMID: 37989140.
14. Liu S, Almansour HA, Pham L, Genel F, Harris IA, **Patanwala AE**, Adie S, Stevens J, Hassett G, Luckie K, Penm J, Naylor J. Patients' experiences of subacute pain management following total hip or knee arthroplasty: A qualitative study. *Musculoskeletal Care*. 2023 Oct 31. doi: 10.1002/msc.1837. Epub ahead of print. PMID: 37905898.
15. REMAP-CAP Investigators. Simvastatin in Critically Ill Patients with Covid-19. *N Engl J Med*. 2023 Dec 21;389(25):2341-2354. doi: 10.1056/NEJMoa2309995. Epub 2023 Oct 25. PMID: 37888913; PMCID: PMC10755839. [**Collaborator**]
16. LOVIT-COVID Investigators, on behalf of the Canadian Critical Care Trials Group, and the REMAP-CAP Investigators. Intravenous Vitamin C for Patients Hospitalized With COVID-19: Two Harmonized Randomized Clinical Trials. *JAMA*. 2023 Nov 14;330(18):1745-1759. doi: 10.1001/jama.2023.21407. PMID: 37877585; PMCID: PMC10600726. [**Collaborator**]
17. Liu S, **Patanwala AE**, Naylor JM, Stevens JA, Bugeja B, Begley D, Khor KE, Lau E, Adie S, Penm J. Tapentadol Versus Oxycodone for Opioid-Related Adverse Drug Events and Clinical

Outcomes After Inpatient Surgery. *J Pain*. 2023 Sep 21:S1526-5900(23)00535-7. doi: 10.1016/j.jpain.2023.09.007. Epub ahead of print. PMID: 37741523.

18. Acquisto NM, Mosier JM, Bittner EA, **Patanwala AE**, Hirsch KG, Hargwood P, Oropello JM, Bodkin RP, Groth CM, Kaucher KA, Slampak-Cindric AA, Manno EM, Mayer SA, Peterson LN, Fulmer J, Galton C, Bleck TP, Chase K, Heffner AC, Gunnerson KJ, Boling B, Murray MJ. Society of Critical Care Medicine Clinical Practice Guidelines for Rapid Sequence Intubation in the Critically Ill Adult Patient. *Crit Care Med*. 2023 Oct 1;51(10):1411-1430. doi: 10.1097/CCM.0000000000006000. Epub 2023 Sep 14. PMID: 37707379.
19. Acquisto NM, Mosier JM, Bittner EA, **Patanwala AE**, Hirsch KG, Hargwood P, Oropello JM, Bodkin RP, Groth CM, Kaucher KA, Slampak-Cindric AA, Manno EM, Mayer SA, Peterson LN, Fulmer J, Galton C, Bleck TP, Chase K, Heffner AC, Gunnerson KJ, Boling B, Murray MJ. Society of Critical Care Medicine Clinical Practice Guidelines for Rapid Sequence Intubation in the Critically Ill Adult Patient: Executive Summary. *Crit Care Med*. 2023 Oct 1;51(10):1407-1410. doi: 10.1097/CCM.0000000000005999. Epub 2023 Sep 14. PMID: 37707378.
20. Liu S, Stevens JA, Collins AE, Duff J, Sutherland JR, Oddie MD, Naylor JM, **Patanwala AE**, Suckling BM, Penm J. Prevalence and predictors of long-term opioid use following orthopaedic surgery in an Australian setting: A multicentre, prospective cohort study. *Anaesth Intensive Care*. 2023 Sep;51(5):321-330. doi: 10.1177/0310057X231172790. PMID: 37688433; PMCID: PMC10493038.
21. **Patanwala AE***, Moran B, Johnstone C, Koelzow H, Penm J. Effectiveness of Sublingual Buprenorphine for Pain Control in the ICU. *Crit Care Med*. 2023 Dec 1;51(12):1650-1658. doi: 10.1097/CCM.0000000000006031. Epub 2023 Aug 29. PMID: 37642505.
22. Abu Sardaneh A, Penm J, Oliver M, Gattas D, McLachlan AJ, James C, Cella C, Aljuhani O, Acquisto NM, **Patanwala AE**. International pharmacy survey of peripheral vasopressor infusions in critical care (INFUSE). *J Crit Care*. 2023 Dec;78:154376. doi: 10.1016/j.jcrc.2023.154376. Epub 2023 Aug 2. PMID: 37536012.
23. Aguilar B, Penm J, Liu S, **Patanwala AE**. Efficacy and Safety of Transdermal Buprenorphine for Acute Postoperative Pain: A Systematic Review and Meta-analysis. *J Pain*. 2023 Nov;24(11):1905-1914. doi: 10.1016/j.jpain.2023.07.001. Epub 2023 Jul 11. PMID: 37442403.
24. Liu S, Athar A, Quach D, **Patanwala AE**, Naylor JM, Stevens JA, Levy N, Knaggs RD, Lobo DN, Penm J. Risks and benefits of oral modified-release compared with oral immediate-release opioid use after surgery: a systematic review and meta-analysis. *Anaesthesia*. 2023 Oct;78(10):1225-1236. doi: 10.1111/anae.16085. Epub 2023 Jul 6. PMID: 37415284.
25. **Patanwala AE***, Jager NGL, Radosevich JJ, Brüggemann R. An update on drug-drug interactions for care of the acutely ill in the era of COVID-19. *Am J Health Syst Pharm*. 2023 Sep 22;80(19):1301-1308. doi: 10.1093/ajhp/zxad152. PMID: 37368815; PMCID: PMC10516707.
26. Liu S, **Patanwala AE**, Naylor JM, Levy N, Knaggs R, Stevens JA, Bugeja B, Begley D, Khor KE, Lau E, Allen R, Adie S, Penm J. Impact of modified-release opioid use on clinical outcomes following total hip and knee arthroplasty: a propensity score-matched cohort study. *Anaesthesia*. 2023 Oct;78(10):1237-1248. doi: 10.1111/anae.16070. Epub 2023 Jun 26. PMID: 37365700.

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BOOK CHAPTERS PUBLISHED

1. **Patanwala AE**, Sanders AB. Drug Therapy in the Geriatric Patient. In: Walls RM, ed. *Rosen's Emergency Medicine: Concepts and Clinical Practice*. 9th Edition. Philadelphia, PA: Elsevier; 2017
2. **Patanwala AE**. Acute Pain Management. In: Katz MD, Matthias KR, Chisholm-Burns MA, eds. *Pharmacotherapy Principles and Practice Study Guide: A Case-Based Care Plan Approach*. 4th Edition. New York, NY: McGraw-Hill Companies, Inc; 2017; 141-144.
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5. **Patanwala AE.** Analgesia in the Critically ill. From Theory to Bedside: Clinical Reasoning Series, Pain, Agitation, and Delirium in the Intensive Care Unit. American College of Clinical Pharmacy, 2013 Home Study Edition
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PRESENTATIONS

Regional, National, or International

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| 11/2023 | Antimicrobial De-escalation Practices in the Intensive Care Unit (ADEPT) Research platform. Society of Hospital Pharmacists of Australia, Cairns, QLD |
| 10/2023 | Pharmacogenomics – Pharmacy Perspective Plenary speaker. Institute for Precision Medicine and Bioinformatics Annual Conference. Sydney, Australia |
| 09/2023 | Critical Care Pharmacy – Past, Present, and Future Society of Hospital Pharmacists of Australia (NSW Branch) |
| 09/2023 | Fluids are Drugs Too Society of Hospital Pharmacists of Australia (NSW Branch) |
| 11/2022 | The Winding Path After Graduation: Residency, Practice, and Crocodiles. Coit Seminar. University of Arizona. Phoenix, AZ |
| 10/2022 | Using Pharmacy Practice to Drive Research in Emergency and Critical Care. University of Queensland School of Pharmacy [Virtual] |
| 11/2021 | Role of the Hospital Pharmacist in Antimicrobial Stewardship and Sepsis Management. International Pharmaceutical Federation [Virtual] |

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| 08/2021 | Articulating the Research Protocol. Society of Hospital Pharmacists of Australia [Virtual] |
| 07/2020 | Emerging Evidence on Hydroxychloroquine. Society of Hospital Pharmacists of Australia [Virtual] |
| 06/2019 | Using Your Safety Net to Prevent Medication Errors. Grand Rounds. Royal Prince Alfred Hospital, Sydney, Australia |
| 11/2018 | Antimicrobial prophylaxis of type III open fractures in trauma patients. Research platform. Society of Hospital Pharmacists of Australia, Brisbane, QLD |
| 09/2018 | Using Clinical Practice to Drive Research Using Real-World Data. Society of Hospital Pharmacists of Australia (NSW Branch), Sydney, NSW. |
| 12/2017 | Optimizing Acute Pain Management in the Emergency Department American Society of Health-System Pharmacists. Orlando, FL. |
| 12/2017 | Pain Relief and Analgesic Grief: From ED to ICU. American Society of Health-System Pharmacists. Orlando, FL. |
| 05/2017 | The Challenges of Acute Pain. AcelRx Pharmaceuticals Advisory Board. Phoenix, AZ. May 2017. |
| 03/2017 | Real World Research in Emergency Pharmacotherapy. Real World Evidence Program. Tucson, AZ. |
| 12/2016 | Brain Matters and Blood Splatters: Drug Therapy in the Emergency Trauma Patient. American Society of Health-System Pharmacists. Las Vegas, NV. |
| 08/2016 | Precepting When It's Rough: Keeping the Ship Afloat. The National Pharmacy Preceptors Conference. American Society of Health-System Pharmacists. Washington DC. |
| 12/2015 | From Research to Clinical Practice: Drugs and Devices for Rapid Sequence Intubation. American Society of Health-System Pharmacists. New Orleans, LA. |
| 12/2015 | Publishing in Peer-Reviewed Journals: Author Perspective. American Society of Health-System Pharmacists. New Orleans, LA. |
| 12/2015 | Top of Your License – Code Response: Elevating the Pharmacists Role. American Society of Health-System Pharmacists. New Orleans, LA. |
| 03/2015 | Use and Monitoring of New Oral Anticoagulants. Hong Kong Pharmacy Conference, Hong Kong. |
| 10/2014 | Wilderness Bites and Envenomations. American College of Clinical Pharmacy, Austin, TX. |

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| 08/2014 | Beyond Cognitive Skills: The Unsaid, Unwritten and Undone. The National Pharmacy Preceptors Conference. American Society of Health-System Pharmacists. Washington DC. |
| 02/2014 | Medication Errors in the Emergency Department. Ministry of Health, Kingdom of Saudi Arabia, Al-Ahsa Province. |
| 12/2013 | The Ideal Clinical Practice: Myth or Reality. American Society of Health-System Pharmacists. Orlando, FL. |
| 12/2013 | Drug Therapy During Critical Care Transitions. American Society of Health-System Pharmacists. Orlando, FL. |
| 10/2013 | Optimizing Analgesia in the Critically Ill. American College of Clinical Pharmacy, Albuquerque, NM. |
| 06/2013 | Traumatic resuscitation: drug therapy and the pharmacist's role. American Society of Health-System Pharmacists. Minneapolis, MN. |
| 06/2013 | Analgesia and sedation in the emergency department. American Society of Health-System Pharmacists. Minneapolis, MN. |
| 12/2012 | So you Wanna Be a Preceptor: Vital Tips and Trick to Becoming the Best Preceptor You Can Be. American Society of Health-System Pharmacists. Las Vegas, NV. |
| 12/2012 | Pain Management in the Emergency Department. American Society of Health-System Pharmacists. Las Vegas, NV. |
| 12/2012 | Cardiac Arrest Update and Practical Tips. American Society of Health-System Pharmacists. Las Vegas, NV. |
| 12/2012 | Bet on Red: New Challenges and Therapies for Bleeding. American Society of Health-System Pharmacists. Las Vegas, NV. |
| 12/2011 | Traumatic Dilemmas: From ED to ICU. American Society of Health-System Pharmacists. New Orleans, LA. December 2011 |
| 12/2011 | Patient Safety in High-Risk Settings: From ED to ICU. American Society of Health-System Pharmacists. New Orleans, LA. |
| 12/2011 | Current Controversies in Rapid Sequence Intubation. American Society of Health-System Pharmacists. New Orleans, LA. |
| 03/2011 | Medication Errors in High-Risk Settings. South-West Clinical Pharmacy Conference. Doubletree Hotel, Tucson, AZ. March 2011 |
| 12/2010 | Blood and Vomit: An Emergency Department Fiesta. American Society of Health-System Pharmacists. Anaheim, CA. |

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| 12/2010 | Fear Factor: Preparing for Adult and Pediatric Codes. American Society of Health-System Pharmacists. Anaheim, CA. |
| 10/2010 | Medication Errors in the Emergency Department: The Good, The Bad and The Ugly. American College of Clinical Pharmacy. Austin, TX. |
| 01/2020 | Factor Products in the ICU: Treating Numbers with Numbers. Society of Critical Care Medicine. Miami, FL. |
| 12/2009 | Factor VIIa for Traumatic Hemorrhage. American Society of Health-System Pharmacists. Las Vegas, NV. |
| 12/2009 | 'I Think I'm Going to Throw Up': Nausea & Vomiting in the Emergency Department. American Society of Health-System Pharmacy. Las Vegas, NV. |
| 12/2009 | Making the Emergency Department a Safer Place. American Society of Health-System Pharmacists. Las Vegas, NV. |
| 03/2009 | Emergency Drug Therapy Pearls. South-West Clinical Pharmacy Conference. Marriot University Park Hotel, Tucson, AZ. March 2009 |
| 02/2009 | Year-In-Review: Emergency Medicine. Society of Critical Care Medicine. Nashville, TN. |
| 12/2008 | Stopping the Bloody Mess with Prothrombin Complex Concentrate. American Society of Health-System Pharmacists. Orlando, FL. |
| 08/2008 | The Use of Humor in Presentations: How Funny are you? American Society of Health-System Pharmacists. New York, NY. |
| 08/2008 | I'm a Practitioner Now: How the Heck Do I Do This. American Society of Health-System Pharmacists. New York, NY. |
| 07/2008 | Incorporating Scholarship into Clinical Practice. American Association of Colleges of Pharmacy. Chicago, IL. |
| 04/2008 | Becoming Involved in Clinical Pharmacy Research. American College of Clinical Pharmacy, Phoenix, AZ. |
| 04/2008 | CNS Emergencies: Focus on Stroke. Arizona Pharmacy Alliance: Health-System Academy Conference, Banner Desert Medical Center, Phoenix, AZ. |
| 07/2007 | Critical Care Update. Arizona Pharmacy Alliance 3 rd annual meeting, Westin La Paloma, Tucson, AZ. |
| 03/2007 | Opioid Conversions: An Evidence Based Approach to Clinical Practice. South-West Clinical Pharmacy Conference, Hilton El Conquistador, Tucson, AZ. |

GRANTS

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| 2025 – 2029 | ADAPT-ED: adaptive trial of emergency department interventions for back pain. MRFF Clinical Trials Activity Role: CIG Amount: A\$3,208,395 |
| 2023 – 2024 | Reduced opioids after joint replacement surgery (REPAIRS): a pilot trial Arthritis Foundation of Australia Grant Role: Investigator Amount: A\$20,000 ANZMUSC seed funding Role: Investigator Amount: A\$19,953 |
| 2018 – 2019 | Genie! A web-based AI platform supporting site preparedness for rAAV gene therapy. Pfizer/International Pharmaceutical Federation. Gene Therapy Site Preparedness Grant Role: Investigator Amount A\$72,300 |
| 2023 – 2025 | Responsible pre-operative Opioid use for Hip and knee Arthroplasty (OpioidHALT) Study: Opioid tapering in patients prior to hip and knee arthroplasty. Department of Health (Federal - administered by NHMRC)/MRFF CRI 2022 Clinician Researchers: Nurses, Midwives and Allied Health Role: CIC Amount: A\$1,479,940 |
| 2021 – 2024 | A systems-approach to enhancing community-based medication review. Department of Health (Federal)/MRFF - 2020 PPHRI - Quality, Safety & Effectiveness of Medicine Use & Medicine Intervention by Pharm Role: CIF Amount: A\$2,432,288 |
| 2021 – 2022 | Efficacy of pain management approaches in the subacute period following knee or hip arthroplasty Musculoskeletal Clinical Academic Group Blue Sky Grant Role: Investigator Amount: A\$15000 |
| 2020 - 2022 | Improving the relevance, effectiveness and generalisability of electronic drug interaction alerts: A pilot study. Medical Research Future Fund. Rapid Applied Translation Grants Role: Investigator Amount: A\$150,000 |
| 2019 – 2020 | PAIN in Survivors of Intensive Care Units (The PAIN-ICU Study): A Prospective, Multi-centre Observational Cohort Study to Determine the |

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| | Incidence, Risk Factors and Impact of Chronic Pain in Critically Ill Adult Patients Discharged from ICU. ANZ Intensive Care Foundation Role: CIC Amount: A\$25,000 |
| 2019 – 2020 | Improving accuracy of discharge medication lists: an observational study. Sydney Local health District Allied Health Research Grant Role: Co-PI Amount: A\$5000 |
| 2012 – 2018 | Postdoctoral fellowship programs / Clinical research in human therapeutics / Health outcomes, effectiveness, and economics. Saudi Arabia Cultural Mission Training Contract Role: Investigator Amount: US\$4,424,450 |
| 2017 – 2018 | Comparison of Drug Administration Logistics Between 3-Factor PCC, 4-Factor PCC and Fresh Frozen Plasma in Bleeding Patients in the Emergency Department. CSL Behring Investigator Grant Role: PI Amount: US\$6500 |
| 2016 – 2017 | Comparison of 3-factor versus 4-factor prothrombin complex concentrate with regard to INR reversal, blood product use and costs. CSL Behring Investigator Grant Role: PI Amount: US\$2940 |
| 2014 – 2016 | Pain control during the transition from intensive care unit to general ward. Sponsored by Critical Care Section of American College of Clinical Pharmacy Investigator Grant Role: PI Amount: US\$7500 |
| 2014 – 2016 | Effect of acetaminophen on the prevention of acute kidney injury in patients with severe sepsis. Mallinckrodt Pharmaceuticals Investigator Grant Role: PI Amount: US\$171,404 |
| 2014 – 2015 | Characterization of Behavioral Health-Related Emergency Department Visits in Older Adults: A systematic Medical Record review and Quality Improvement Effort. The University of Arizona Health Network Patient Safety Fund Program Role: Co-PI Amount: US\$9695 |
| 2012 – 2013 | Efficacy and Safety of N-acetylcysteine in Obese Patients. University of Tennessee Foundation/ Cumberland Pharmaceuticals Investigator Grant Role: PI Amount: US\$2000 |

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| 2009 – 2010 | A prospective, multicenter study of pharmacist activities resulting in medication error interception in the emergency department. Critical Care Section of American College of Clinical Pharmacy Investigator Grant Role: PI Amount: US\$3250 |
| 2008 – 2009 | A Prospective Observational Study of Medication Errors in a Tertiary Care Emergency Department. American Society of Health-System Pharmacy Foundation – Junior Investigator Grant Role: PI, Amount: US\$20000 |

COURSE COORDINATION

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| 2019 – Present | PHAR48222 Clinical Placements (9 credits) Sydney Pharmacy School, University of Sydney |
| 2019 – Present | PHAR5924 Clinical Placements (6 credits) Sydney Pharmacy School, University of Sydney |
| 2007 – 2018 | PHPR875C Pharmacotherapeutics (6 credits) College of Pharmacy, University of Arizona |

CLINICAL PRECEPTOR

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| 2020 – Present | Critical Care Royal Prince Alfred Hospital |
| 2014 – 2018 | Research/Academia College of Pharmacy, University of Arizona |
| 2006 – 2018 | Trauma/Surgery College of Pharmacy, University of Arizona |
| 2006 – 2018 | Emergency Medicine College of Pharmacy, University of Arizona |

LARGE GROUP TEACHING

Repeated annually

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| 2019 – 2020 | Clinical Pharmacology Questions [1 hour] School of Medicine, University of Sydney |
| 2023 - Present | Introduction to Endocrinology Sydney Pharmacy School, University of Sydney |

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| 2023 – 2023 | Pharmacokinetics and Pharmacodynamics Sydney Nursing School, University of Sydney |
| 2020 – 2023 | Diuretics [1 hour] School of Dentistry, University of Sydney |
| 2020 – Present | Antithrombotics [1 hour] College of Pharmacy, University of Arizona |
| 2019 – Present | Arrhythmias [1 hour] Sydney Pharmacy School, University of Sydney |
| 2019 – Present | Stroke and Venous Thromboembolism [1 hour] Sydney Pharmacy School, University of Sydney |
| 2019 – Present | Anaemia [1 hour] Sydney Pharmacy School, University of Sydney |
| 2019 – Present | Hospital Pharmacy Practice [1 hour] Sydney Pharmacy School, University of Sydney |
| 2006 – 2018 | Anti-coagulation & Bleeding [2 hours] College of Pharmacy, University of Arizona |
| 2006 – 2016 | Analgesia & Sedation [2 hours] College of Pharmacy, University of Arizona |
| 2006 – 2018 | Intra-abdominal Infections [2 hours] College of Pharmacy, University of Arizona |
| 2006 – 2018 | CNS Infections [2 hours] College of Pharmacy, University of Arizona |
| 2008 – 2008 | Orthopedic Infections [2 hours] College of Pharmacy, University of Arizona |
| 2011 – 2015 | Myocardial Infarction/Coronary Artery Disease [2 hours] College of Pharmacy, University of Arizona |
| 2015 – 2018 | Acute Coronary Syndromes [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2015 – 2018 | Acute Decompensated Heart Failure [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2015 – 2018 | Brain Injury [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2006 – 2018 | Acute Pain [4 hours in-class + 30 min online] College of Pharmacy, University of Arizona |

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| 2007 – 2018 | Stroke [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2010 – 2018 | Introduction to Critical Care [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2012 – 2018 | Pain, Agitation, Delirium [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2010 – 2018 | Severe Sepsis [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2010 – 2018 | Critical Care Simulation [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2013 – 2018 | Atrial Fibrillation and Cardiac Dysrhythmias [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2008 – 2018 | Cardiac Arrest [2 hours in-class + 30 min online] College of Pharmacy, University of Arizona |
| 2008 – 2014 | Bugs and Drugs [2 hours] College of Pharmacy, University of Arizona |
| 2008 – 2014 | Drug Level Interpretation [2 hours] College of Pharmacy, University of Arizona |

SMALL GROUP TEACHING

I have taught more than 1000 tutorials, small group discussions, OSCEs, and patient simulations. I am glad to discuss my experience with you if needed.