

LaDonna S. Hale, PharmD

General Information

Contact Information:

Business Address:	Wichita State University 1845 Fairmount Street	Department of Physician Assistant Wichita, KS 67260-0214
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Education:

Master of Theological Studies, Newman University, Wichita, KS	Anticipated July 2021
Doctor of Pharmacy, University of Kansas, Lawrence, KS	Dec 1996
Bachelor of Science Pharmacy, University of Kansas, Lawrence, KS	May 1995

Academic Appointments:

<u>Wichita State University, Department of Physician Assistant, Wichita, KS</u>	
Professor, Tenured	2011 – present
Director of Assessment	2014 – present
Director of Research & Graduate Coordinator	2013 – 2014
Assistant Program Director	2009 – 2013
Associate Professor, Tenured	2005 – 2011
Assistant Professor, Probationary	1998 – 2005
Instructor	1997 – 1998
<u>University of Kansas, School of Pharmacy, Lawrence, KS</u>	
Adjunct Clinical Assistant Professor	2012 – present
<u>University of Saint Mary, Department of Physical Therapy, Leavenworth, KS</u>	
Adjunct Professor	2016 – present

Clinical Practice & Consultancies:

<u>Pharmacist Volunteer:</u> JayDoc Outreach at Guadalupe Clinic, Wichita, KS Volunteer, 5-10 hrs/month. Provide oversight for PharmD students, collaborate with medical students and staff, identify medication-related problems, review/manage medication regimens for clinic patients	2016 – present
<u>Long-Term Care / Geriatric Consultant:</u> Preston Pharmacy, Wichita, KS Part-time, 4 hrs/week. Reviewed/managed medication regimens for assisted living, long-term care and nursing home patients to assure appropriate, effective, and safe medication use, monitoring, and prescribing	2009 – 2012
<u>Pharmacy Consultant:</u> Wesley Medical Center, Wichita, KS Work as needed. Research consultant; Design, implement, and evaluate drug usage protocols, policy, and clinical pharmacy services for the Pharmacy and Therapeutics Committee	2002 – 2009
<u>Research Consultant:</u> Psychiatric Research Institute & the Center for Phase I Research, affiliated with St Francis, Wichita, KS Provided drug information and clinical assessment of a patient database consisting of over 7,000 Veterans Administration patients	2000 – 2002
<u>Clinical Pharmacist:</u> Wesley Medical Center, Wichita, KS Part-time, 8 hrs/week. PharmD student preceptor; Skilled Nursing Unit Team; Acute Care Elderly Team; and clinical pharmacist responsibilities as listed below	1998 – 2002

<u>Clinical Pharmacist:</u> Wesley Medical Center, Wichita, KS	1995 – 1998
Full-time. Clinical Pharmacist trained in all satellite areas; Order entry; IV-admixture; Clinical therapeutic management of patient drug therapy; Provided drug information to hospital staff and patients; Member of code blue and trauma response teams; Antibiotic streamlining service; Adverse drug reaction reporting; Formulary reviews	

National Certifications / State License:

Registered Pharmacist, Kansas, License 1-12303	1995 – present
Licensed Pharmacy Student Preceptor	1997 – present
American Society of Health-System Pharmacists Advanced Experiential Training in Conducting and Using Outcomes Studies	2001

Membership in Professional and Honorary Societies:

Kansas Public Health Association, member	2013 – present
American Society of Consultant Pharmacists, fellow	2009 – present
Kansas Council of Health-systems Pharmacy, charter member	2009 – present
Board of Directors, Wichita Academy of Pharmacists Liaison	2011 – 2012
Phi Kappa Phi Honor Society, faculty member	2006 – present
Pi Alpha National Honor Society, faculty member	2005 – present
American College of Clinical Pharmacy, member	2004 – present
Alpha Eta National Honor Society, faculty member	2002 – present
Wichita State University Chapter, President	2017 – present
Association of Physician Assistant Educators, member	2000 – present
Wichita Academy of Pharmacists, elected member	2000 – present
Board of Directors, Past President	2011 – 2012
Board of Directors, President	2010 – 2011
Board of Directors, Vice-President	2009 – 2010
Board of Directors, Director of Inter-Professional Affairs	2008 – 2009
American Society of Health-systems Pharmacists, member	1996 – present
Kansas Pharmacists Association, member	1996 – present
Kansas Society of Health-systems Pharmacists, member	1996 – present

Academic / Professional Honors and Awards:

JayDoc Outreach at Guadalupe Clinic – Pharmacist of the Year	2019
WSU Professor Incentive Review (PIR)	2017
<i>Journal of Physician Assistant Education</i> , Technology/Education Feature Editor	2014 – 2015
WSU Leadership in the Advancement of Teaching Award	2009
American College of Clinical Pharmacy, Poster Competition, 3 rd place award	2008
Am Society of Health-system Pharmacists Research & Education Foundation Award for Innovation in Pharmacy Practice in Health Systems	2008
College of Health Professions Rodenberg Award for Excellence in Teaching	2008 & 2000
Kansas Board of Pharmacy Clinical Research Award	2007 & 2003
WSU Academy of Effective Teaching Award	2005
Kansas Board of Pharmacy Innovative Clinical Practice Award	1999

II. Teaching Information

Current Course Responsibilities:

1. **HS 710 Applied Clinical Pharmacology (3hr):** 1998 – **present**. This is a graduate level requirement for the Master of PA and Doctor of Nurse Practitioner degrees. This course discusses clinical applications of selected drug classes commonly prescribed in the outpatient, primary care setting as well as follow-up management of common chronic diseases. The course emphasizes practical application of knowledge in populations of all ages as well as rational drug selection and monitoring.
2. **HS 711 Pharmacological Management of Acute/Chronic Diseases (3hr):** 1999 – **present**. This is a graduate level pharmacology requirement for the Master of PA degree, Master of Science Nursing (Clinical Nurse Specialist and Acute Care Nurse Practitioner degrees), and the Doctor of Nurse Practitioner degrees. This course discusses clinical applications of selected drug classes commonly prescribed in the emergency care setting as well as follow-up management of selected chronic diseases. The course emphasizes practical application of this knowledge in populations of all ages as well as rational drug selection and monitoring necessary to safely and effectively prescribe medication.
3. **PT 755 Clinical Pharmacology for Physical Therapy (2hr):** 2005 – **present**. This is a graduate level requirement for the Doctor of Physical Therapy degree. This course discusses most major classes of drugs as to mechanisms of action, side effects, drug interactions, contraindications, and therapeutic uses. Clinical application of knowledge emphasizes the physical therapist's role in assessment, management, and proper referral of patients experiencing sub-therapeutic benefits or drug related problems.
4. **PA 896 & PA 897 Directed Study Research I & II (2hr each):** 2005 – **present**. Independent study courses in which Master of PA students work with an assigned faculty advisor to complete a research project or evidence-based practice paper suitable for dissemination in a refereed forum.
5. **HP 801 Interprofessional Evidence-Based Practice (1hr):** 2013 – **present**. This is a graduate level requirement for Master of Aging Studies, physician assistant, speech-language pathologist, and audiology students. This interprofessional course utilizes small group discussion and practical exercises to advance skills in evidence-based practice. Students practice integration of clinical expertise and patient/client preferences and values with the best available healthcare and health policy research to optimize outcomes. Students have the opportunity to practice and develop skills in working in an interprofessional team.
6. **HP 800 Research Methods for Evidence-Based Practice ON-LINE (2hr):** 2013 – **present**. This is a graduate level requirement for the Master of Aging Studies, physician assistant, speech-language pathologist, and audiology students. This online course emphasizes evidence-based practice, research ethics, professional and scholarly integrity training, research methods, and statistical interpretation necessary to critically evaluate, interpret, and apply healthcare and health policy research to patient/client care and healthcare systems.
7. **PA 850 Experiential Learning in Professionalism, Service, Research, and Interprofessional Collaboration (0hr):** 2016 – **present**. This course tracks Master of Physician Assistant student "Experiential Learning Passport" activities. Students enhance personal development of key PA competencies through experiential learning activities followed by reflection and discussion. Students engage in a variety of required and elective faculty-led and student-led activities within the categories of: 1) professionalism, 2) service-learning/community service, 3) research/evidence-based practice and lifelong learning, and 4) interprofessional patient-centered teamwork.

Past Course Responsibilities:

8. **HS 301 Clinical Pharmacology (3hr):** 1998 – 2008; 2010. This is a multidisciplinary pharmacology course required for pre-dental hygiene, pre-nursing, public health science degree, and athletic training and an elective for other health professions students.
9. **HS 301 Clinical Pharmacology ON-LINE (3hr):** 2003 – 2007, 2010 – 2011. This course is an alternative to the face-to-face course for distance learners.
10. **PA 726 Physician Assistant Research Methods (3hr):** 2009 – 2012. This was a graduate level, cross-listed multidisciplinary, research methods and evidence-based practice requirement for PA, Nursing, Speech-Language Pathology, Audiology, and Aging Studies.
11. **NURS 795 Applied Drug Therapy (3hr):** 2008 – 2010. This was a graduate level requirement for the Master of Science in Nursing (Family Nurse Practitioner, Pediatric Nurse Practitioner, Psychiatric/Mental Health Nurse Practitioner, and Nurse Midwifery).
12. **PA 128 Pharmacology of Street Drugs (1hr):** 2004 – 2009. This was a multidisciplinary course required for the Substance Abuse Counselor associate degree program. This course attracted a variety of CHP and non-CHP students. This course discussed major classes of drugs of abuse including alcohol, depressants, narcotics, stimulants, hallucinogens, marijuana, and others as well as medications commonly used to treat mental illness.

Professional Continuing Education (CE) Presentations:

Unless otherwise stated items were invited and sole presenter was **Hale LS**.

1. Project ECHO: Opioid Use Disorder. Project ECHO University of Kansas Medical Center Team (Online panelist during Q/A with: Boys C, Campbell J, Deckert C, Din A, Grantham C, Long T, Lucht L, Nelson EL, Sethi R, Shoyinka S, Wright S, Warren D, alphabetical). 5 hr total CE for MDs, PAs, NPs, pharmacists, social work, and others
 - a. Routine screening in the primary care setting. Sep 28, 2018
 - b. Opioid use disorder treatment team members. Oct 12, 2018
 - c. Continuum of care. Nov 2, 2018
 - d. Pregnancy and opioid use disorder. Nov 9, 2018
 - e. Potential complications of medication assisted treatment. Nov 16, 2018
2. Project ECHO: Opioid Epidemic. Project ECHO University of Kansas Medical Center Team (Online panelist during Q/A with: Boys C, Campbell J, Deckert C, Din A, Grantham C, Long T, Lucht L, Nelson EL, Sethi R, Shoyinka S, Wright S, Warren D, alphabetical). 8 hr total CE for MDs, PAs, NPs, pharmacists, social work, and others
 - a. Overview of opioid use disorder. Feb 8, 2018
 - b. Patient perspective of opioid use disorder. Feb 15, 2018
 - c. Opioid use disorder – screening, brief intervention, referral & treatment (SBIRT). Feb 22, 2018
 - d. Medication assisted treatment (MAT) – buprenorphine. Mar 1, 2018
 - e. Medication assisted treatment (MAT) – naltrexone, naloxone, methadone. Mar 8, 2018
 - f. Behavioral health interventions. Mar 15, 2018
 - g. Ongoing treatment – toxicology, drug screens, maintenance. Mar 22, 2018
 - h. Effective team-based care for opioid use disorder. Mar 29, 2018
3. Medications and auditory, vestibular, and cognitive function. Kansas Speech-Language-Hearing Association Conference. 1.5 hr CE for audiologists. Topeka, KS. Sep 2016.
4. Drug Implications in Dentistry. Wichita Dental Hygienists Association. 2 hr CE for dental hygienists. Wichita, KS. Jan 2016.
5. Medication-related diabetes case studies. 1 hr CE for certified diabetes educators, Diabetes Education Update, Mid-American Diabetes Associates. Wichita, KS. Twice annually Apr & Oct 2006 – 2014 and annually each Oct 2015 – **present**.
6. Clinical practice updates: JNC 8 & AHA cholesterol guidelines. 1 hr CE for APRNs, 1st Annual Advanced Practice Registered Nurses Conference. Wichita, KS. Nov 2014.

7. Falling LinkS: vision loss and fall prevention (Co-presented with other members of the Regional Institute on Aging Falling LinkS Research Team). 4 hr CE for low-vision rehabilitation and education physical and occupational therapists. Envision Conference 2013. Wichita, KS. Mar 2013.
8. Developing appropriate avenues for PA research projects. *Refereed*. (Co-presented with Nyberg SM) Physician Assistant Educator Association (PAEA) 2011 Annual Education Forum – *Refereed*. New Orleans, LA. Nov 2011.
9. Falling Less in Kansas. *Refereed*. (Co-presented with other members of the Regional Institute on Aging Falling LinkS Research Team) 4 hr CE for physical therapists and physical therapy assistants, Kansas Physical Therapy Association Spring Conference. Wichita, KS. Apr 2011.
10. Case studies in pharmacology. 4 hr CE for physical therapists, Kansas Physical Therapy Association Fall Conference, Mayetta, KS. Oct 2010.
11. Preventing falls in older adults through safer medication use. 1 hr CE for pharmacists, Wichita Academy of Pharmacists. Wichita, KS. Feb 2010.
12. Pharmacological considerations in Alzheimer's dementia. 1 hr CE for pharmacists, Wichita Academy of Pharmacists. Wichita, KS. Feb 2008.
13. Pharmacology review in case studies. 1 hr. Kansas Association of Nursing Students (KANS) conference. Wichita, KS. Nov 2007.
14. Preventing medication-related errors. 1 hr. Kansas Association of Nursing Students (KANS) conference. Wichita, KS. Oct 2006.
15. Herbal therapy information for the perioperative nurse. 1 hr CE for nurses, Association of periOperative Nurses (AORN). Wichita, KS. Sep 2006.
16. The impact of medications on nutrition. 1 hr CE for dietitians, Consultant Dietician Practice convention. Wichita, KS. Mar 2004.
17. Pharmacological considerations in dementias. 1 hr CE and Caregiver Perspectives panel for physical therapists and occupational therapists, Newman University, 2nd Annual Tri-Coalition Issues in Aging for the Health Care Professional. Wichita, KS. Feb 2004.
18. Herbal therapies: what a dental hygienist should know. 2 hr CE for dental hygienists, Wichita Academy of Dental Hygienists. Wichita, KS. Mar 2003.
19. Pharmacy and natural aging: adverse effects of medications in the elderly. 1 hr CE for physical therapists and occupational therapists, Newman University, 1st Annual Tri-Coalition Issues in Aging for the Health Care Professional. Wichita, KS. Feb 2003.
20. Herbal therapies: what a healthcare professional should know. 1 hr CE for physician assistants and nurses, WSU, College of Health Professions Alumni Reunion. Wichita, KS. Apr 2002.
21. Herbal therapies and OTC drugs: what a health professional should know. 4 hr CE for nurses, Dodge City Community College Allied Health. Dodge City, KS. Sep 2001.
22. Complementary herbal therapy. 2 hr CE for nurses, Rural Eastern Kansas Area Health Education Center, Pittsburg, KS. Mar 2001.
23. Pharmacodynamic and pharmacokinetic changes in the geriatric population. 1 hr CE for pharmacists, Kansas Pharmacists Association / Kansas Employee Pharmacists Council, Long Term Care and Community Pharmacists Workshop. Topeka, KS. Feb 2001.
24. Medication review: a look at drug interactions. CE for nurses and certified dietary managers, Rural Eastern Kansas Area Health Education Center. Pittsburg, KS. Nov 2000.
25. Treatment of insomnia in the elderly. 1 hr CE for nurses, Wesley Medical Center. Wichita, KS. Nov 1999.
26. DHEA, fact or fiction. 1 hr CE for pharmacists, Kansas Society of Health-Systems Pharmacists convention. Wichita, KS. Apr 1997.
27. Drug therapy for HIV & associated opportunistic infections. 1 hr CE for pharmacists, Wesley Medical Center. Wichita, KS. May 1996.

Student Honors / Awards for Mentored Research Projects:*also see publications section for published co-authored student research*

1. 2018 Chilcott, et al CLARION National Competition, 2nd place, \$5,000
2. 2015 Koester WSU Dora Wallace Hodgson Outstanding non-Thesis Award, \$810
3. 2015 Keeley, et al WSU GRASP 3rd place poster award, \$700
4. 2013 King, et al Dept of Physician Assistant Outstanding Research Award
5. 2013 White WSU Delano Maggard, Jr Research Grant, \$300
6. 2009 Wilkin WSU GRASP 2nd place poster award, \$600
7. 2008 Shrack Stump E. WSU GRASP 1st place poster award, \$600
8. 2007 Thomas Dora Wallace Hodgson Outstanding non-Thesis Award, \$1000
9. 2007 Shrack Stump E. WSU Delano Maggard, Jr Research Grant, \$300
10. 2007 Raile Dept of Physician Assistant Outstanding Research Award
11. 2006 Thomas Outstanding Research Award, American Academy of Physician Assistant Student Research Gallery, \$500
12. 2006 Tiffany WSU Dora Wallace Hodgson Summer Research Award, \$1000
13. 2006 Raile WSU Dora Wallace Hodgson Summer Research Award, \$1000
14. 2006 Blackburn WSU GRASP 3rd place poster award, \$250

III. Research and Scholarship Information**Grant Proposals Funded:**

1. 2017. Wallace M (PI), Frizzel H, Hartke R, Huntley A, Kylo J, Russel A, Hale LS. The Risk of Recreational Trampoline Use in the Pediatric Population: A Retrospective Study. Wichita Medical Research & Education Foundation Grant (WMREF). Funded in full for **\$3,000**.
2. 2017. Rogers C (PI), **Hale LS**. Incorporation of Smiles for Life: A National Oral Health Curriculum into PA Education Curriculum. Physician Assistant Oral Health Research Integration Grant, NCCPA Health Foundation. Funded in full for **\$3,000**.
3. 2015. **Hale LS** (PI), Drassen-Ham A, Rogers N. Falling Less in Kansas Toolkit (Spanish Version) Distribution & Education. Riverside Health Foundation Development Fund. Funded in full for **\$500**.
4. 2015. **Hale LS** (PI), Drassen-Ham A, Rogers N. Dissemination of the Falling LinkS Toolkit throughout Kansas. WSU CHP Clifford & Leah Gaulter Memorial Fund. Funded in full for **\$2,919**.
5. 2014. Rogers NL (PI), **Hale LS**, Radebaugh TS. Falling Less in Kansas: Spanish Translation. WSU CHP Interprofessional Education Fund. Funded in full for **\$3047**.
6. 2014. **Hale LS**, Wallace M (PI). Increasing accessibility of the audience response system. WSU CHP Technology Fund. Funded in full for **\$2,400**.
7. 2013. **Hale LS**. Funding for development and improvement of online instruction in the interprofessional evidence-based practice and research methods graduate course. WSU CHP Interprofessional Education Fund. Funded in full for **\$10,000**.
8. 2012. **Hale LS**. Development and improvement of online instruction in the interprofessional evidence-based practice and research methods graduate course. WSU CHP Technology Fund Application. Partially funded for **\$9,000** / asked \$15,000.
9. 2011. Rogers NL (PI), **Hale LS**, Rogers M, Radebaugh TS, Falling LinkS: Development of training materials for home health aides. WSU Multidisciplinary Research Project Award (MURPA). Funded in full for **\$4,962**.
10. 2010. **Hale LS (PI)**, Keuter KR, Rogers NL, Regional Institute on Aging Falling LinkS Research Team. Readability, usability, and practicality of a locally developed fall prevention toolkit for older adults. WSU University Research / Creative Projects Award. Funded in full for **\$4,500**.
11. 2009. Elder BL (PI), **Hale LS**, Bahner CA, Regional Institute on Aging Falling LinkS Research Team. Readability and suitability of falls related health information for older adults with age-related low vision. WSU CHP Clifford & Leah Gaulter Memorial Fund. Funded in full for **\$3,500**.

12. 2008. **Hale LS (PI)**, Nyberg SM, Keuter K. Kansas health care providers' knowledge/attitudes regarding falls prevention. Gridley-Hoover Pilot Research Program, WSU Regional Institute on Aging. Funded in full for **\$20,000**.
13. 2008. Radebaugh TS (PI), **Regional Institute on Aging Falling LinkS Research Team**. Falling Less in Kansas (Falling LinkS) toolkit development. United Methodist Health Ministry Fund. Funded in full for **\$41,250**.
14. 2007. **Hale LS**. Evaluation of the effectiveness of a sepsis response team in the treatment of severe sepsis in older persons and possible ageism. WSU Regional Institute on Aging. Funded in full for **\$10,000**.
15. 2006. Day DB (PI), **Hale LS**, Hermes K, Griffin A, Manske RC, Reiman M, authors listed alphabetically. Growth in critical thinking dispositions in health professions students and the relationship with learning styles. WSU University Research / Creative Projects Award. Funded in full for **\$3,515**.
16. 2004. Kramer J(PI), Hopkins P, Cochran P, Garrelts J, **Hale LS**, Nester TM, Eidem L, Haneke R, Rosendale J. Collaborative pharmacist and nurse before/after study to evaluate patient safety using electronically standardized admission and discharge medication reconciliation in a tertiary care hospital. American Society of Health-System Pharmacist Foundation. Funded in full for **\$40,000**.
17. 2003. **Hale LS (PI)**, Eckert R, Lewis K, Wilson C. Multidisciplinary instruction designed to enhance interface between physical therapists and persons with visual impairment and diabetes. WSU CHP Clifford & Leah Gaulter Memorial Fund. Funded in full for **\$10,000**.
18. 2002. Lewis K (PI), Eckert R, **Hale LS**, Wilson C. Multidisciplinary instruction on interviewing and screening using standardized patients. WSU CHP Clifford & Leah Gaulter Memorial Fund. Funded in full for **\$8,682**.

Journal Publications:

Refereed, Masked/Blinded Journal Articles

(* denotes student)

1. 2019. Porter B, Zaeem M, Heyes P, **Hale LS**, Jones CMC, Gestring M, Acquisto NM. Pharmacist involvement in trauma resuscitation across the United States: A 10-year follow-up survey. *American Journal of Health-System Pharmacy* 2019;76(16):1226-1230.
2. 2017. **Hale LS**, Votaw LL, Mayer J, Sobota KF. Nurses' knowledge, perceptions, and self-confidence regarding evidence-based antibiotic use in the long-term care setting. *Consultant Pharmacist* 2017;32(11):700-706.
3. 2017. **Hale LS**, Brown GR. Similar findings regarding predictors of PANCE performance [letter to the editor]. *Journal of Physician Assistant Education* 2017;28(3):124.
4. 2016. **Hale LS**, DiLollo A. Immersive interprofessional education using an evidence-based practice course. *Journal of Physician Assistant Education* 27(3):117-125.
5. 2015. **Hale LS**, *Fraser SJ, Keuter KR, Lee FA, Berg GM. A survey assessing Kansas physician assistants' attitudes/beliefs and current practices regarding implementation of fall prevention strategies in older adults. *Kansas Journal of Medicine* 8(4):135-142.
6. 2015. Brown GR, **Hale LS**, *Britz MC, *Schrader MJ, *Sholz SL, *Unruh MJ. A survey of Kansas physicians' perceptions of physician assistant education and qualifications. *Kansas Journal of Medicine* 8(1):18-25.
7. 2013. Brown GR, *Imel B, *Nelson A, **Hale LS**, *Jansen N. Correlations between PANCE performance, physician assistant program grade point average, and selection criteria. *Journal of Physician Assistant Education* 24(1):42-44.
8. 2012. Lamis RL, Kramer JS, **Hale LS**, Zackula RE, Berg GM. Fall risk associated with inpatient medications. *American Journal of Health-System Pharmacy* 69(21):1888-94.
9. 2012. **Hale LS**, *Morton JM, *Albers JN, *Pham GT. Physician assistant student exposure to the long-term care setting by working with a consultant pharmacist. *Journal of Physician Assistant Education* 23(2):31-35.
10. 2011. Radebaugh TS, Bahner CA, Ballard-Reisch D, Epp M, **Hale LS**, Hanley R, Kendrick K, Rogers ME, Rogers NL (*alphabetical*). Falling less in Kansas: Development of a fall risk reduction toolkit. *Journal of Aging Research* 2011:532079. Epub 2011 Sep 19.

11. 2011. Berg GM, Vasquez DG, Moran DA, **Hale LS**, Nyberg SM. Evaluation of process variations in non-compliance in the implementation of evidence-based sepsis care. *Journal for Healthcare Quality* 2011:doi:10.1111/j.1945-1474.2011.00168x.
 12. 2011. *Kelly DM, *Frick EM, **Hale LS**. How the medication review can help to reduce risk of falls in older patients. *Journal of the American Academy of Physician Assistants* 24(4):30-35.
 13. 2010. Self TS, **Hale LS**, *Crumrine D. Pharmacotherapy and children with Autism spectrum disorder: a tutorial for speech language pathologists. *Language, Speech, and Hearing Services in Schools* 41(3):367-375.
 14. 2009. *Wilkin RT, **Hale LS**, Claiborne RA. Poor medication history plus slow symptom onset delays a diagnosis. *Journal of the American Academy of Physician Assistants* 22(10):39-41.
 15. 2009. **Hale LS**, *Mirakian EA, Day DB. Online vs. classroom instruction: student satisfaction and learning outcomes in an undergraduate allied health pharmacology course. *Journal of Allied Health* 38(2):36e-42e.
 16. 2009. **Hale LS**, Nyberg SM, *Mohr AM, *Wegner-Busch EK. Preliminary national survey of pharmacist involvement in trauma resuscitation. *American Journal of Health-System Pharmacy* 66(9):797-798.
 17. 2008. **Hale LS**, Griffin AE, *Cartwright OM, *Moulin J, *Alford SJ, *Fleming RM. Potentially inappropriate medication use in hospitalized older adults: a DUE using the full Beers criteria. *Formulary* 43:326–327,332-336.
 18. 2007. Kramer JS, Hopkins PJ, Rosendale JC, Garrelts JC, **Hale LS**, Nester TM, Cochran P, Eidem LA, Haneke RD. Implementation of an electronic system for medication reconciliation. *American Journal of Health-System Pharmacy* 64(4):404–422. Winner of the American Society of Health-system Pharmacists Research & Education Foundation **Award** for Innovation in Pharmacy Practice in Health Systems, 2008.
 19. 2006. **Hale LS**, Wilson CM, Lewis DK, Eckert RM, Smith B. Standardized patients and multidisciplinary classroom instruction for physical therapist students to improve interviewing skills and attitudes about diabetes. *Journal of Physical Therapy Education* 20(1):22–27.
 20. 2005. Day DB, **Hale LS**. Promoting critical thinking in online physician assistant courses. *Perspective on Physician Assistant Education* 16(2):96–102.
 21. 2005. **Hale LS**, Durham CR. A simple, weight-based extended-interval gentamicin dosage protocol for neonates. *American Journal of Health-System Pharmacy* 62(15):1613–1616.
 22. 2003. **Hale LS**, Goehring M. A multidisciplinary approach to managing osteoporosis. *Annals of Long-Term Care: Clinical Care and Aging* 11(8):40–47.
 23. 2002. Nester TM, **Hale LS**. Effectiveness of a pharmacist-acquired medication history in promoting patient safety. *American Journal of Health-System Pharmacy* 59(22):2221–2225.
 24. 2001. **Hale LS**. Treating transient insomnia in older patients. *Patient Care* 35(5):91–97.
- Peer-reviewed, Invited Journal Articles**
25. 2015. **Hale LS**, Wallace M, *Adams CR, *Kaufman ML, *Snyder CL. Considering point-of-care electronic medical resources in lieu of traditional textbooks for medical education. *Journal of Physician Assistant Education* 26(3):161-166.
 26. 2004. Quigley TF, **Hale LS**. Questions and answers about emergency contraception. *Advance for Physician Assistants* 12(1-2):38–47.
 27. 2003. **Hale LS**. Pharmacist-obtained medication histories. *Hospital Pharmacy Europe* 9:81–83.
 28. 2001. Quigley TF, **Hale LS**. Be alert to sleep disorders: diagnosis and management of common problems of sleep. *Journal of the American Academy of Physician Assistants* 14(6):16–47.
- Invited Journal Articles**
29. 2011. Radebaugh TS, Bahner CA, Ballard-Reisch D, Epp M, **Hale LS**, Hanley R, Kendrick K, Riley S, Rogers M, Rogers N (*alphabetical*). The Falling Less in Kansas Toolkit: A self-care intervention. *Visibility* 5(3):11-13.
 30. 2007. **Hale LS**, *Shrack JS, *Stump EK, Berg-Copas GM. Statewide emergency contraception survey: preliminary findings. *Journal of Kansas Pharmacy* 81(4):58–60,62.

Book Chapters (* denotes student)

1. 2016. **Hale LS**. Book chapter, "The effects of medications on communication in older adulthood" in Hull RH (ed) *Communication Disorders in Aging*. Sage Publications: Los Angeles, CA. Copyright 2017.
2. 2012. Manske RC, **Hale LS**. At home study course book chapter, "Pharmacology in Sports Physical Therapy" in *Sports Certified Specialist Examination Preparatory Course*. Sports Physical Therapy Section of American PT Association: Indianapolis, IN. Copyright 2012.
3. 2011. **Hale LS**, *Calder CR. Book chapter, "Managing Medication Nonadherence" (pg 41 – 46) and digital PowerPoint slides in Muma RD, Lyons BA. *Patient Education: A Practical Approach*, 2nd ed. Jones and Bartlett Learning: Sudbury, MA. Copyright 2012.
4. 2010. **Hale LS**. Book chapter, "Orthopedic Pharmacology" (pg 177 – 186); review questions online; appendix "Commonly Used Medications in Orthopedics" (pg 472-474); Shankman GA, Manske RC. *Fundamental Orthopedic Management for the Physical Therapist Assistant*, 3rd ed. Elsevier Publishers: St. Louis, MI. Copyright 2011.
 - a. 2013. Updates for the 4th ed. Book chapter "Concepts of Orthopedic Pharmacology" (pg 561 – 568); review questions (pg 569 – 570; appendix "Commonly Used Medications in Orthopedics" (pg 581 – 583). Copyright 2014.
 - b. 2019. Updates for the 5th ed. Book chapter "Concepts of Orthopedic Pharmacology" *in-process*.

Refereed, Masked/Blinded Research Presentations and Published Abstracts in State and National Conference Proceedings (* denotes student)

1. 2016 Nov. Votaw L, Mayer J, Finley-Sobota K, **Hale LS**. Nurses' knowledge and perceptions of antibiotic stewardship in long-term care facilities. American Society of Consultant Pharmacists Annual Meeting. Dallas, TX.
2. 2013 Jun. Nyberg SM, **Hale LS**, Berg GM. Integration of health professions student research and faculty scholarship: A successful partnership. Association of American Medical Colleges Integrating Quality: Improving Value and Educating for Quality Meeting. Rosemont, IL.
3. 2011 Sep. **Regional Institute on Aging Falling LinkS Research Team**. Falling Less in Kansas: Preventing falls in rural older adults. Kansas Public Health Association 68th Annual Fall Conference oral presentation. Wichita, KS.
4. 2010 Jan. Vasquez DG, Berg GM, Moran DA, Thomas BW, Nyberg SM, **Hale LS**. Comparison of actual vs. expected sepsis mortality by treatment provider. Society of Critical Care Medicine 29th Critical Care Congress poster presentation. Miami, FL.
5. 2009 Jan. Vasquez DG, Berg-Copas GM, Moran DA, **Hale LS**, Nyberg SM, Thomas BW. Surgeon-led sepsis response team: year 1.
 - a. 2009 Jan. Society for Critical Care Medicine 38th Critical Care Congress poster presentation. Nashville, TN.
 - b. 2009 Sep. Kansas Public Health Association Fall Conference. Wichita, KS.
6. 2008 Nov. *Crumrine D, Self T, **Hale LS**. Therapy and family caregiver knowledge regarding medications to treat autism spectrum disorders. American Speech-Language-Hearing Association 2008 Convention poster. Chicago, IL.
7. **Hale LS**, *Shrack JS, *Stump EK, Berg-Copas GM. Kansas pharmacists' knowledge, attitudes and beliefs regarding over-the-counter emergency contraception.
 - a. 2008 Apr. Kansas/Missouri Society of Health-systems Pharmacists poster. Overland Park, KS.
 - b. 2008 Oct. American College of Clinical Pharmacy Annual Meeting. Louisville, KY. **(Poster Competition, 3rd Place Award.) Abstract published:** ACCP 2008 Annual Meeting Guide and Abstracts, 221F.

8. 2008 Apr. **Hale LS**, Griffin AE, *Alford SJ, *Fleming RM. Rate of potentially inappropriate medication use in hospitalized elderly patients: a retrospective evaluation using the full Beers criteria. Kansas/Missouri Society of Health-systems Pharmacists poster. Overland Park, KS.
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