



2018 ANNUAL REPORT



TABLE OF CONTENTS

- 02.** Summary
- 05.** Executive Director's Contributions
 - 06.** Achieved Goals & Objectives
 - 10.** Funding
 - 11.** Membership & Governance
 - 12.** Education
 - 14.** Direct Assistance With Studies
 - 16.** Strategic Plan
 - 19.** Dissemination of Results
- 30.** CRI Advisory Committee Members
 - 31.** CRI Team
 - 32.** CRI Workshops
 - 33.** SoCRA Meetings

SUMMARY



The Clinical Research Institute (CRI) continues to develop and promote clinical research through a number of innovative approaches. This fiscal year, we have successfully “branded” the CRI with the development of the new CRI logo. At the start of his tenure, our Executive Director initiated a system that provides better tracking of CRI. This effort has been ongoing since 2017. Additionally, our biostatistician, Dr. Eneko Larumbe, came up with the idea to convert our paper work order system to an on-line system. With the help of our IT department, this system went live February 24, 2018. We developed and are continuing to fine tune this system to better monitor new and ongoing CRI productivity. Some of the electronic metrics are new, and as such, no prior data for comparison exists. These steps were taken to automate and improve the tracking and overall efficiency of CRI activities.

In regard to the work orders, the number of overall work orders has increased 8%, with an 18% increase from Lubbock. The School of Health Professions demonstrated the greatest growth with a 27% increase in work orders over FY17. Protocol reviews increased by 36%, manuscript reviews by 23%, and statistical analysis by 5%. The majority of investigators using the CRI are in Lubbock and this number demonstrated an approximate 7% increase. The number of ongoing active studies using the CRI also increased by 8%. Beginning in FY17 we have expanded CRI assistance to the Amarillo faculty, per their request. One of the CRI seed grants was also awarded to the Amarillo campus.

A remarkable increase (182%) in grants funded with the assistance of the CRI was evident in FY18. The number of educational presentations by the CRI increased by a similar percentage (167%). The CRI monthly workshop, a new

educational endeavor for the CRI, had a total annual audience of 338. The CRI provided input and representation on 17 TTUHSC/TTU/UMC committees. In addition, the CRI has initiated cross campus collaborative research with faculty at TTU in the areas of Neural Imaging, Economics and Financial Modelling. The annual CRI Consultant Award of the year was given to Dr. Jannette Dufour, Associate Dean for Research in the School of Medicine, Lubbock. The annual CRI Dr. Lorenz Lutherer Award for best student research during Student Research Week was given to Stephany Navarro. Students are eligible for this award if they worked with the CRI on their research project.

The CRI is deeply appreciative of the faculty and trainee support which is evident in this annual report. We recognize much more needs to be done in boosting clinical research at TTUHSC and adequate investment in resources are pivotal to success in this regard. The CRI values the support of the Deans of all schools, the Provost and the President, as we continue to build and promote an infrastructure for clinical research at TTUHSC.

“

I wanted to address how helpful the CRI is for me when I conduct my research studies. The CRI saved my time for preparing IRB applications. Rene did an excellent job of developing consent documents and on-line applications. Phillip and Eneko, biostatisticians at the CRI, are willing to run a statistic for me whenever I need. The most significant help I received was when I prepared grant proposals for both internal and external grants. Cathy spent tremendous time reading my proposals and did a beautiful job editing. I think the CRI is the most functional and useful facility at HSC and I hope the CRI continues to offer such wonderful support to the TTUHSC faculty. *(Edited for clarity and length.)*”

Sue Ann S. Lee, PhD, CCC-SLP

Associate Professor
School of Health Professions
Speech Language Hearing Sciences



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The CRI had a huge impact on me throughout the year. Dr. Peiris kindly responded to my email last year seeking research opportunities and has been a great mentor to me ever since. He is a highly valued physician and researcher who practices excellence in his work and kindness in care. He has allowed me to join in on various projects, publications, and presentations. Research requires meticulous effort, and Dr. Peiris and the entire CRI team always go above and beyond to make sure each project has the best possible chance of success. I am so grateful to work alongside Dr. Peiris and the CRI team, and I would recommend students interested in research or mentorship contact the CRI! *(Edited for clarity and length.)*



Meredith Gavin
Medical Student

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EXECUTIVE DIRECTOR'S CONTRIBUTIONS

Dr. Alan Peiris was awarded the Dean's Education Innovation Award this past year. He has also been nominated for the President's Excellence in Teaching Award. Dr. Peiris was awarded the Myrick-Myers Endowed Chair in Geriatrics along with the position of Division Chief of Geriatrics within the department of Internal Medicine. Dr. Peiris attended the School of Pharmacy Research Day in Amarillo and the corresponding Research Day in the Permian Basin. In FY18, he submitted five research grants: Retirement Research Foundation (2x), The CH Foundation, CANTAB Foundation, and the SOM Collaborative Research grant. Dr. Peiris and his collaborators, Drs. Leslie Shen, Sharda Singh, Mac Ansari and John Culberson were recipients of the SOM Collaborative Research Grant. Dr. Peiris initiated collaboration with students and faculty from different TTUHSC schools to produce a textbook, *Interesting Clinical Vignettes*, to be printed in the Fall of 2018. Dr. Peiris made several presentations on clinical research to a variety of groups including SoCRA, OB/GYN residents, and in conjunction with Drs. Lauren Cobbs and Jannette Dufour, at the P3 breakout sessions. Dr. Peiris meets with students regularly to promote research and this past year has authored 10 publications, all collaborations with students in a variety of formats including patient education pages, case reports, letters to the editor, clinical reviews and original articles. Some of these findings have been presented by students at national meetings of learned medical societies. He is a member of the University Research Council at TTUHSC and has been a core faculty member in the new Center for Integrative Health at TTUHSC. Dr. Peiris worked closely with Dr. Richard Nollan and Stephanie Shippey of Library Services to provide PROPUBLICA, a database provided at no cost to TTUHSC trainees and faculty. His services have also been used in the initial oral defense of two doctoral candidates in the Division of Nutrition at TTU. He has initiated vitamin D research with applicability to Geriatrics and these studies involve other faculty in geriatrics as well as the fellow in geriatrics, Dr. Jennifer Ward. One of these projects was selected through competitive funding for the Deans Seed Grant Program. Dr. Peiris and his collaborators have 2 ongoing clinical trials registered at clinicaltrials.gov.

ACHIEVED GOALS & OBJECTIVES

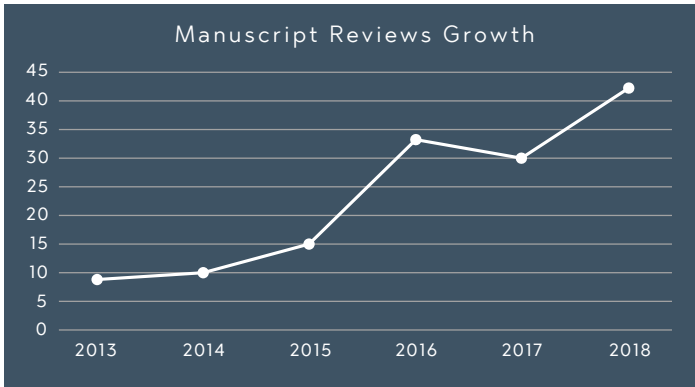
The **Communications and Marketing** department assisted in the completion of the CRI logo, a project started in FY17. The CRI logo facilitates our marketing campaign to faculty and trainees on the CRI and its services. The development of the electronic work order system (<https://app4.ttuhsu.edu/CRIWorkOrders/>) owes much to the persistent, tireless efforts of Dr. Eneko Larumbe, CRI Biostatistician, and Josie Martinez, CRI Section Manager. Approximately 92% of the FY18 work orders emanated from Lubbock and the Permian Basin. The Lubbock work orders increased by about 18% and the Permian Basin work orders decreased during this period from 26 work orders to 16. The CRI is working closely with the Permian Basin to address this decrease.

Table 1 delineates the increase in protocol reviews, document processing, statistical analyses and manuscript review. See also Graphs for a historical perspective of the CRI. The greatest growth in FY18 was noted in the protocol reviews. The number of principal investigators had an increase of approximately 7% in Lubbock and a decline in the Permian Basin down from 21 to 11. The reasons for the decline in investigators and work orders in the Permian Basin are under active exploration by the CRI. The CRI has met with Regional Dean, Dr. Gary Ventolini and will work closely with him and with the Associate Dean for Research, Dr. Natalia Schlabritz-Lutsevich, in the Permian Basin to try and facilitate more clinical research activity at that campus.

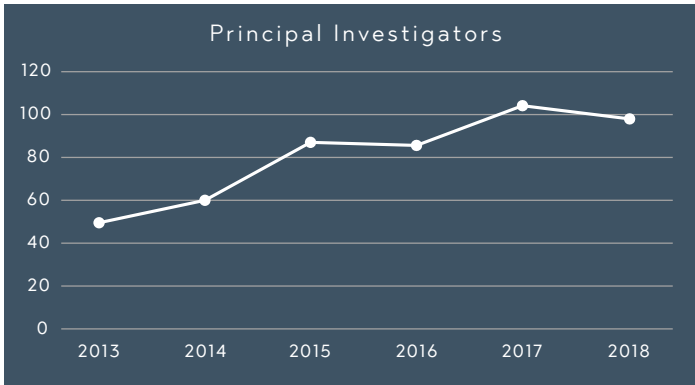
TABLE 1. FY18

NEW CLINICAL RESEARCH STUDIES	98
NEW INVESTIGATORS	26
PARTICIPATING SUBJECTS	709
FORMS SENT TO THE IRB	558
STUDIES CLOSED – COMPLETED	27
PROTOCOL REVIEWS	161
STATISTICAL ANALYSIS & REPORTING	165
ABSTRACTS PRESENTED	9
% ABSTRACTS PRESENTED – PUBMED INDEXED	22.2%
RESEARCH PRESENTATIONS	52
PUBLISHED MANUSCRIPTS	42
% PUBLISHED MANUSCRIPTS – PUBMED INDEXED	83.3%
EDUCATIONAL PRESENTATIONS	40

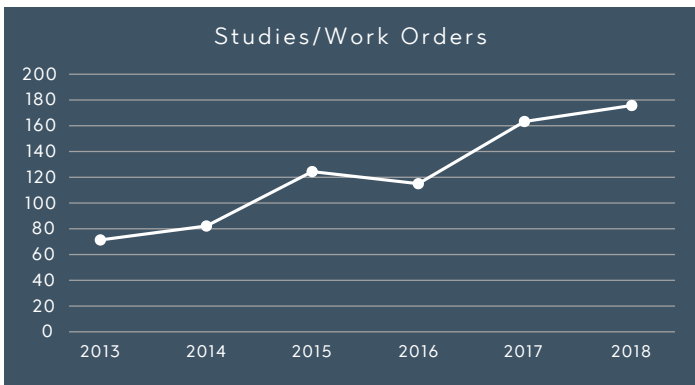
Graphs for Historical Perspective



GRAPH 1.



GRAPH 2.



GRAPH 3.

While the total number of studies had about an 8% increase and the number of principal investigators remained roughly comparable in FY18 (113) to FY17 (98), a more concerning trend was seen among the number of novice investigators. A steep decline from 2017 (73) to 2018 (26) was evident among novice investigators. However, the novice investigator metric was re-defined for FY18 to include only those investigators the CRI had not worked with in the prior 3 years. While this re-definition could be part of the reason for the lower number, the CRI is taking steps, in conjunction with the Office of Faculty Development, to offer its biannual course on clinical research which may encourage novice investigators to enter the clinical research arena. Additionally, a request has been made to TTUHSC administration to allow more time for the Executive Director to participate more fully in the Clinical Research Institute. Currently, the Executive Director spends approximately 50% of his time on CRI activities. A full time Executive Director would allow more time to encourage novice investigators and promote vital CRI functions.

The Clinical Research Institute is willing to assist all faculty in all schools in reviewing their grant submissions as well as research proposal development. In FY18, the CRI was successful in helping to increase the amount of grant monies awarded to faculty with projects involving the CRI from \$92,907 (FY17) to \$262,199 (FY18). The CRI continues to work with investigators on scholarly activity including letters, case reports, and manuscripts. Those abstracts (9), presentations (52), and manuscripts (42), resulting from CRI-associated research reported by the investigators during FY2018 are listed individually in Appendix A; note: this metric is dependent upon CRI notification by investigators of their activities.

Dr. Tenner, Assistant Director of the CRI, was awarded the Dean's Lifetime Achievement Award, the Dean's Distinguished Faculty Service Award, and also the School of Medicine Block 2 Teaching Award. Four of the eighteen CRI staff and directors attended national conferences on clinical research as part of continuing education and certification maintenance. This fiscal year we had two clinical research coordinators (Kelsey Jendrzey and Jammie Holland) and one study monitor (Deborah Conn) successfully obtain certification through the Association of Clinical Research Professionals. Ms. Lovett continues to serve as the chairperson of the West Texas Chapter of SoCRA (Society of Clinical Research Associates) that has monthly presentations on various topics related to clinical research. See Appendix E for a list of SoCRA presentations. This chapter of SoCRA is also listed in the SoCRA top ten for attendance. Additionally, Ms. Lovett continues to be the driving force behind the development and implementation of electronic clinical research documents not only in the TTUHSC business system (GE Centricity), but also the TTUHSC and UMC Cerner electronic health record. She was the impetus behind UMC/TTUHSC agreeing to participate in the Cerner HealthFacts database as well as the planned implementation of the Cerner PowerTrials module in FY19. Ms. Lovett also continues to participate in committees both at UMC and TTUHSC to facilitate communication and collaboration of research endeavors as well as to help ensure clinical research can be conducted efficiently and appropriately.

“The Burn Center has been functioning for over 25 years with an ever-increasing volume of patients with both burn injuries and complex wounds. Over the last seven years I have become involved with the first and second year medical students especially through the surgery club. A number of students expressed research interest and my endowed chair account was able to provide funding for the summer research program. I embarked on an experiment organizing



medical students to take on clinical research activities. This experiment has now become a resounding success supporting 17 students so far, over the past four years. Four studies are completed, three have been accepted and 17 ongoing. None of this would have been possible without the support, encouragement and guidance of the Clinical Research Institute. *(Edited for clarity and length.)*”

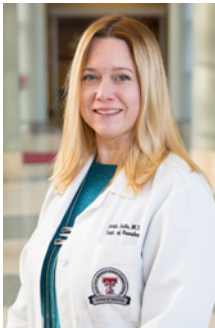
John Griswold

Professor

School of Medicine - Department of Surgery

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Thanks to the CRI I have completed and presented two research projects during the first half of the year. I had great support by the statistician Eneko Larumbe with my projects including those from years 2016 and 2017. I have worked closely

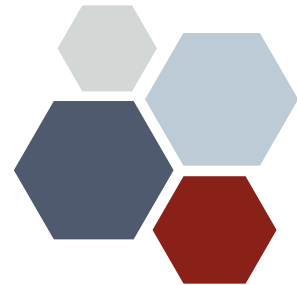


with Ms. Cathy Lovett and Dr. Alan Peiris, who have both been key components to the success of my current projects. The CRI has also oriented me with the design of a pilot study and guided me throughout the process of submitting grants. We are very fortunate to have the CRI at Texas Tech. They are truly available for every step of your research projects. *(Edited for clarity and length.)*”

Mirla Avila

Assistant Professor

School of Medicine - Department of Neurology



FUNDING

The funding for the CRI is unchanged; it is primarily through the offices of the TTUHSC President and Provost. A modest tax on the clinical departments within the School of Medicine in Lubbock provides additional financial support. In the Permian Basin, the Dean's Fund, monies mostly generated by the uncompensated care (UC) tool, provide much of the financial support for the Odessa CRI office. The Dean of the School of Pharmacy also contributes to CRI funds, along with the Lubbock affiliated hospital, University Medical Center, through a contractual arrangement with the CRI and the School of Nursing.

“

The Clinical Research Institute at the Permian Basin has been extremely helpful in ongoing clinical studies at the TTUHSC Odessa campus. There are a myriad of examples of CRI staff going above and beyond expectations. For instance, when Mrs. Ailena Mulkey, RN, CCRC, drove an hour through heavy rain to be in the clinic at 5 o'clock AM to make sure a patient gave proper consent for the study.



Another instance of excellence came from Research Coordinator, Eva Santiago, LVN, CCRC. She worked on a study regarding cardiovascular remodeling in pregnancy that drew the attention of millions around the world and amassed 9 million hits across social media platforms. Mrs. Santiago's assistance was priceless as she established communication with the patients and was able to troubleshoot organizational burdens, allowing this far-reaching and complex study to run flawlessly.

Honestly without the CRI's help, it would be impossible to maintain the unique direction of this research for West Texas, and we thank them for all that they do for us. *(Edited for clarity and length.)*

”

Natalia Schlabritz-Lutsevich, M.D., Ph.D.

Associate Regional Dean for Research, TTUHSC Odessa

Associate Professor, School of Medicine - Department of Obstetrics and Gynecology

MEMBERSHIP & GOVERNANCE

All faculty and trainees at TTUHSC are considered members of the CRI. The Clinical Research Institute is governed by an Advisory Committee that met seven times during FY18. It is composed of faculty representatives from all schools and campuses, the TTUHSC President and Provost, the Director of the F. Marie Hall SimLife Center and the Executive Leadership Team made up of the three Directors of the CRI: Executive Director Alan Peiris, MD, PhD, FRCP (London), Thomas Tenner, Jr. PhD, Assistant Director, and Catherine Lovett, MSN, RN, Managing Director. The full list of members is provided in Appendix B.

There are nine study coordinator positions (4 RNs, 3 LVNs, 1 MBA, 1 BA): five in Lubbock and four on the Permian Basin Campus. This year we hired two new coordinators, one in Lubbock (Sarah Wood, LVN) and one in the Permian Basin (Jammie Holland, LVN). There is a regulatory specialist for submissions to the IRB, a study monitor, a section manager and an administrative assistant. Due to the increased demand for statistical services, the number of biostatisticians was increased from 1.2 to 2.2 in FY18 with the hiring of Erena Manning, PhD. Data analysis and reporting were up about 5% from FY17, while protocol and manuscript reviews were up 36% and 23%, respectively. The full list of CRI staff members is provided in Appendix C.



EDUCATION

“The Clinical Research institute is a phenomenal resource that every student should take advantage of. Through their exceptional mentoring and support, they played a fundamental role in my career development throughout medical school. Particularly, Dr. Peiris, an inspiring mentor with a wealth of knowledge to share, guided me in interpreting scientific literature. The CRI enabled me to share my experience with other students as a part of their workshop series and sponsored me to present my research at a national society conference. I am grateful for the distinct difference the CRI has made in my medical career. *(Edited for clarity and length.)*”

Sarah Jaroudi
Medical Student



Education of faculty on clinical research is a major focus of the CRI. However, we also take the opportunity to educate the public when possible. In November 2017, the Executive Director served as a guest speaker for HealthWise with Karin McKay, a local news program.

The monthly CRI Research Workshops began in Fall 2017. These sessions have covered a diverse set of topics in clinical research which are provided in Appendix D. The workshop offers faculty and trainees the opportunity to bring research ideas for discussion and is combined with a didactic presentation by experienced research faculty. We are currently working on strategies to improve faculty and student attendance. The conference is video linked to all TTUHSC campuses.

The CRI has provided education on clinical research to students across all schools with a two-day seminar. This is done in conjunction with the Dean's annual program to promote summer student research. The provision of course credit to students attending this research program has been available since 2017. In 2018, approximately 118 students attended this course. Ms. Lovett served as a poster judge for both the 2018 School of Nursing Student Research Week and the 2018 Permian Basin Research Week.

The CRI continues individual interactions with investigators and trainees. These meetings involve protocol development, conduct of the study, data analysis, presentations and publications. Our experienced research coordinators and study monitor are available for clinical studies. Many of the research coordinators are nurses and/or are certified by their

professional organization. The entire CRI team works closely with investigators to assist with study completion with the intent to publish in MEDLINE/PUBMED journals. The CRI leadership has contributed to the recruitment efforts of the institution by discussing the role of the CRI with potential faculty employees including some of the School of Medicine department chair candidates.



“

The Clinical Research Institute has been instrumental in the success of my research studies, especially when navigating through the IRB approval process. They have helped me with the writing process regarding research proposals, posters, and research publications that I have submitted to journals. Finally, the CRI has been instrumental in helping me to recruit, consent, and complete the practical aspects of two Randomized Controlled Trials that I'm completing while in residency. I can't thank the CRI enough for their mentorship and their help in making my research a success. *(Edited for clarity and length.)*



Russell Stanley
Resident - PGY 3

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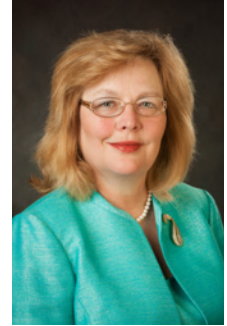
DIRECT ASSISTANCE WITH THE STUDIES

CRI personnel work with the investigators and trainees during each phase of a proposed study.

- Each investigator submits a draft protocol following the template provided on the CRI website. The protocol includes the research questions, the background forming the basis for the question, the hypothesis, the study design, the methodology to be used, the statistics for analysis and the potential significance of the study results. Members of the CRI team, including the biostatistician, work closely with the investigator's team during this process.
- Assistance is given in developing documents such as informed consent forms, data collection forms, surveys and the application and subsequent amendments/reports to the IRB.
- After IRB approval, the research coordinators consent and enroll subjects, collect samples and data and essentially conduct the study under the direction of the Principal Investigator.
- Once study accrual has been completed, the biostatisticians analyze the data, construct tables and figures, and assist in writing the presentation/manuscript. Members of the CRI Executive Leadership are available and often assist the principal investigators in completing or revising the articles prior to submission to the journal of their choice.

CRI services are provided at no cost to the investigators due to the funding mechanisms in place. As demonstrated graphically in the historical perspective, these mechanisms have contributed to the considerable growth in CRI productivity. This unique system allows investigators to obtain pilot data necessary to support future funding requests. The CRI resources are invaluable to faculty with busy schedules and help to partially offset the lack of protected time for research.

“The expertise of the CRI allows the School of Nursing researchers the luxury of expeditious IRB reviews with minimal stipulations. In addition, they are willing to help me understand rules/regulations and other available data collection tools. *(Edited for clarity and length.)*”



**Alyce Ashcraft,
R.N., Ph.D., CNE, ANEF**

Associate Dean for Research, School of Nursing

“Our clinical practice is driven by research, but regrettably, I had little time to devote to research without proper structures to support my efforts in this area. However, I was able to find the support I needed after I was introduced to the CRI by my Chairman, Dr. Lampe. This help ranged from optimizing my research proposal, to providing the statistical support and submitting the protocol to the IRB. CRI support did not stop there; I was assigned a coordinator to help me consent my study subjects and collect their bio-samples. I cannot imagine not having the support of the CRI. *(Edited for clarity and length.)*”



Mohamad Al-Rahawan, M.D., MPH

Associate Professor
School of Medicine - Department of Pediatrics

STRATEGIC PLAN

The **Mission of the CRI** in facilitating investigator-initiated clinical research for faculty and trainees is becoming better recognized within TTUHSC. However, the CRI understands that more needs to be done in this regard. The CRI is currently exploring several additional avenues to boost CRI visibility among its clientele. The CRI leadership has also expanded educational efforts to boost scholarly activity among trainees. The CRI recognizes the importance of large database access and looks forward to working with Chip Shaw's office (Executive Director, Clinical Research Data Warehouse) on both local and national databases as they become available.

Much of the clinical research still occurs within the School of Medicine, usually on the Lubbock campus. Accrediting committees of the Medical schools by the Liaison Committee on Medical Education (LCME) and School of Medicine residency programs by the Accreditation Committee for Graduate Medical Education (ACGME) recognize the pivotal role of research in physician development. The CRI plays a key role in promoting scholarly activity and contributing to the LCME and ACGME mandated missions of the University.

The CRI leadership has a long history of extending opportunities for collaborative research to TTU. These interactions have included CRI presentations at TTU sponsored events such as the Obesity Cluster research workshops as well as presentations of the role of CRI at TTU sponsored faculty research clubs and the Texas Tech Neuroimaging Institute (TTNI). In addition, the CRI has participated in joint grant submissions with Dr. Eric Walden in the Neuroimaging Institute, Dr. Charlene Kalenkowski in the Department of Personal Financial Planning, and Dr. Conrad Lyford in Agricultural and Applied Economics. The CRI also appreciates the contribution to its mission, made by Dr. Roy Jacob and his colleagues in the Department of Radiology at University Medical Center, Lubbock. The Executive Director has regular meetings with the TTUHSC IRB chair, Dr. Scott O'Banion, to discuss possible strategies to improve clinical research at TTUHSC.

Construction of new buildings on both the Lubbock and Permian Basin Campuses is expected to permit relocation of the CRI facilities on both campuses. In Lubbock, the CRI suite could potentially move from the basement to the fourth floor within the next two years. This will enable greater exposure and easier access to both study subjects and investigators. On the Permian Basin Campus, the suite is scheduled to move from the Administration Building to the Clinic building in FY19, which will markedly increase the efficiency of the operation and lead to more interaction with the investigators and trainees.

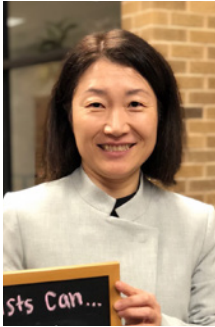
The CRI has experienced considerable growth over the last few years. This report denotes continued success but also highlights areas for improvement. Specifically, a target for improvement exists in the arena of inculcating novice investigators to commence clinical research activity and in encouraging the publication of such activity in MEDLINE/PUBMED. With the University Research Council's focus on promoting federally funded research in established investigators, the CRI has an important role to play in increasing the pool of clinical investigators, some of whom may proceed to obtain extramural funding.

Currently, the Executive Director is a part-time position within the CRI and the Assistant Director is also a part-time position. In order to improve training of young investigators in clinical research and maintain the current trajectory of scholarly productivity, an increase in time dedicated to CRI duties is needed for both leadership positions within the CRI. The CRI recognizes that pharmaceutical studies offer a viable source and large pool of potential funding. Provision of additional personnel and space would enable the CRI to take a more active role in promoting this type of research in addition to continuing investigator initiated research. The CRI directed activity in industry-sponsored research as well as in original research would help centralize training, oversight, and coordination of clinical studies, with resultant improved efficiency and standardization of procedures for the institution.

“The CRI has been a tremendous help in all of my IRB submissions over the past few years. I have been blessed with assistance from beginning to end, including protocol reviews, proposal development, study designs, IRB entry, and finalizing IRB studies. I am appreciative of the continuous support for trouble shooting IRIS and issues that arise in a study design. Rene and Cathy have never denied help and are very prompt in getting a study off to a great start. Their assistance is invaluable to my research projects and the School of Nursing research mission. *(Edited for clarity and length.)*”



Amanda Veasart, Ph.D., RN, CNE
Associate Professor,
Program Director,
School of Nursing



“ I have worked with CRI for various research projects and CRI has helped me finalize my research protocol. Initially CRI reviewed the draft of protocol and data collection and gave me feedback for improvement. In addition, CRI statisticians were willing to have discussions with me to understand my study and give appropriate statistical analysis. It was very beneficial to receive CRI feedback and analysis in a timely manner. *(Edited for clarity and length.)* ”

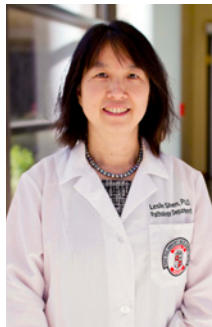
Young Ran Lee, Pharm.D., BCPS, BCCCP

Associate Professor, Program Director
School of Pharmacy



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In the past year, the CRI not only helped to administratively manage my previous clinical trials, but is also actively involved in my upcoming two new clinical trials. I received great help from the CRI in preparing two IRB submissions covering more than 30 related documents for each trial. I received awards for clinical trials with the CRI’s help and have published two papers with the staff listed as coauthors. In the upcoming year, I know I can run clinical trials with high integrity because of the CRI’s fantastic team support from beginning to end. *(Edited for clarity and length.)* ”



Leslie Shen, Ph.D., CCRP

Associate Professor, School of Medicine - Department of Pathology

APPENDIX A

DISSEMINATION OF RESULTS

Abstracts (9) (*PubMed)

*Adams L, Dennis J, Tucker A, Dissanaik S. Impact of time spent in the trauma bay on mortality outcomes among Level 1 trauma patients. American College of Surgeons, October 2017, Vol 225, Issue 4, Supplement 2, Page e180, doi: https://doi.org/10.1016/j.jamcoll_surg.2017.07.1017

Avila M, Trevino S, Suady E. Does early tonsillectomy decrease the risk of infection with JC virus? Journal of Neurology, April 2018

Avila M, Karukote A. Pain in Multiple Sclerosis, Is dimethyl fumarate associated to less pain, when compared to other disease modifying therapies? Journal of MS Care, May 2018.

Jaroudi S, Gavin M, Boylan K, Peiris AN. Transient T3 toxicities related to Hashimoto's Disease. Endocrine Society, ENDO 2018, March 17-20, Chicago, Illinois

Kola B, Tunnell J, Mikesell M, Agusala V. Breast feeding support-do female health care providers perform better than their male peers? Pediatrics May 2018, Volume 142 / (1 Meeting Abstract) 690; doi: 10.1542/peds.142.1_MeetingAbstract.690

Parra E, Schlabritz-Lutsevich N, Watkins P, Myers J, Hampton M, Maher J. Tissue histogram intensity of fetal liver and reference organs in women without diabetes or obesity. J Ultrasound Med 37(suppl):S1-S220, 2018

Tantrachoti P, Klomjit S, Vuthikravitt W, Rattanawong P, Laoveeravat P, Thararaputta S, Nair N. Impact of preoperative atrial fibrillation in patients with left ventricular assist device: A systemic review and meta-analysis. JACC March 20, 2018, Vol. 17, Issue 11

Thambuswamy JT, Levent F, Nur M. Human papillomavirus series completion rates among pediatrics. Family Medicine and Gynecology Clinics in West Texas. Southern Society of Pediatric Research, Southern Regional Meeting, February 13, 2017, New Orleans, LA. Abstract 60. Journal of Investigative Medicine 10.1136/JIM-2016-000393.60

*Wolfe T, Smith C, Jacob R. Acute bacterial prostatitis in an adolescent patient following blunt trauma. Baylor University Medical Center; Vol 31, Issue 1, Pages 107-108; doi.org/10.1080/08998280.2017.1400881 PMID: 29686573

Manuscripts (42) (*PubMed)

*Acton C, Farus-Brown S, Alexander C, Morrow L, Ossege J, Tovar E. Quality and safety education for nurses' competencies in doctor of nursing practice education: Exemplars from education and practice. Nurse Educ. 2017 Sep/Oct; 42(5S Suppl 1): S44-S48. doi: 10.1097/NNE.0000000000000426. PMID: 28832462

*Agusala V, Vij P, Agusala V, Dasari V, Kola B. Can interactive parental education impact health care utilization in pediatric asthma: A study in rural Texas. J Int Med Res. 2018 Aug;46(8):3172-3182. doi: 10.1177/0300060518773621. PMID: 29848134

*Ali ES, Mangold C, Peiris AN. Estroil: emerging clinical benefits. Menopause. 2017 Sep;24(9): 1081-1085. doi: 10.1097/GME.0000000000000855. PMID: 28375935

*Avila M, Bansal A, Colbert A, Peiris AN. The role of sex hormones in MS, Accepted for publication in the European Neurology 2018, Vol. 80. 93-99. doi.org/10.1159/000494262

Avila M, Gorantla S, Claudio A, Larumbe E, deToledo J. Diffusion weighted imaging changes in Multiple Sclerosis patients, frequency and correlation to disease activity. Austin Neurology Journal, Summer Edition 2018

*Blaszczuk A, Mahan R, Mccarrell J, Sleeper R. Using a polypharmacy simulation exercise to increase empathy in pharmacy students. American Journal of Pharmaceutical Education: Vol 82, Issue 3, Article 6238 doi.org/10.5688/ajpe6238 PMID: 29692437

*Collins JL, Jimenez R, Thomas LJ. Health out of foster care as young adult's age out of foster care: A phenomenological exploration of seeking healthcare services after aging out of the US foster care system. Child Abuse Negl. 2018 Jul; 81:322-331. doi: 10.1016/j.chiabus.2018.05.012 PMID: 29778990

*Collins JL, Thomas LJ. The influence of social determinants of health among young adults after they have left foster care in the US. J Clin Nurs, 2018 May; 27(9-10):2022-2030. doi: 10.1111/jocn.14317 PMID: 29493839

*Dennis JA, Alazzeah A, Kumfer AM, McDonald-Thomas R, Peiris AN. The association of unreported sleep disturbances and systemic inflammation: Finding from the 2005-2008 NHANES. Sleep Disorders. https://doi.org/10.1155/2018/5987064

Dhindsa S, Chemitiganti R, Ghanim H, Santiago E, Haider A, McKee A, Dandona P, Chaar N, Mok M. Intranasal insulin administration does not affect LH concentrations in men with diabetes. *International Journal of Endocrinology*, Vol 2018, Article ID 6170154, 7 pages. <http://doi.org/10.1155/2018/6170154>

*Dissanaike S, Ha D, Mitchell D, Larumbe E. Socioeconomic status, gender, and burn injury: A retrospective review. *Am J Surg*. 2017 Oct; 214(4):677-681. doi: 10.1016/j.amjsurg.2017.06.012. PMID: 28693838

*Edriss H, Selvan K, Sigler M, Nugent K. Glucose levels in patients with acute respiratory failure requiring mechanical ventilation. *J Intensive Care Med*. 2017 Dec;32(10):578-584. doi: 10.1177/08850666196636013./Epub 2016 Feb 28 PMID: 826928642

*Gandhi K, Li C, German N, Skobowiat C, Carrillo M, Reddy KR, Larumbe E, Martinez S, Chuecos M, Ventolini G, Nathanielsz P, Schlabritz-Lutsevitch S. Effect of maternal high-fat diet on key components of the placental and hepatic endocannabinoid. *American Journal of Physiology Endocrinology and Metabolism*. 2017 Nov 14. doi: 10.1152/ajpendo.00119.2017. [Epub ahead of print] PMID: 29138223

*Guirguis M, Manning S, Chavez M, Nelson J, Baronia R, Bobba S, Ahmed J, Ajufo I. Are psychiatric inpatients at risk of developing Wernicke's encephalopathy being identified and adequately treated? *Primary Care Companion CNS Disorder*, 2017 Dec 28; 19(6). pii: 17m02179. doi: 10.4088/PCC.17m02179 PMID: 29286589

Huang J, Lever J, Kola B. Comparing the asthma control in overweight/obese and normal weight pediatric patients: A retrospective study in West Texas. *The Southwest Respiratory and Critical Care Chronicles* 2018;6(25):14-18

*Jaroudi S, Ahmad A, Peiris AN. Red Cell Width: An emerging and novel biomarker of systemic inflammation. *Southern Medical Journal*, Vol 110, Issue, November 11, 2017 doi: 10.14423/SMJ.0000000000000714; PMID: 29100228

*Jaroudi S, Peiris AN. Vitamin D supplementation and cancer risk. *JAMA*. 2017; 318(3):299. doi:10.1001/jama.2017.7833

Kirkpatrick C, Haynes A, Sharma P. Antibiotic prophylaxis is not associated with reduced urinary tract infection-related complications after cystectomy and ideal conduit. *Bladder* 2018; 5(3):e35. doi: 10.14440/bladder.2018.722

*Kola B, Mehrafza M, Kane A. Phacomatosis pigmentovascularis: Simple presentation of a not so simple dermatological condition. *Clin Pediatr (Phila)*. 2017 Oct 1:9922817737088. doi: 10.1177/0009922817737088. PMID: 29067825

- *Lee S, Iverson G. The emergence of phonetic categories in Korean-English bilingual children. *J Child Lang.* 2017 Nov;44(6): 1485-1515. doi: 10.1017/S0305000916000659. Epub 2017 Feb 7. PMID: 28166843
- *Lee SAS, Hall B, Sancibrian S. Feasibility of a supplemental phonological awareness intervention via telepractic for children with hearing loss: a preliminary study. *Int J. Telerehabil.* 2017 Jun 29; 9(1):23-38. doi: 10.5195/Iijt.2017.6216 PMID: 28814992
- *Lee YR, Blanco DD. Efficacy of standard dose unfractionated heparin for venous thromboembolism prophylaxis in morbidly obese and non-morbidly obese critically ill patients. *J Throm Thrombolysis* 2017 Oct; 44(3) 386-391. doi: 10.1007/s112399-017-1535-8 PMID: 28828713
- *Oud L. Critical illness among adults with cystic fibrosis in Texas, 2004-2013: Patterns of ICU utilization, characteristics, and outcomes. *Plos One.* 2017 Oct 24; 12(10):e0186770 PMID: 29065161
- *Pawar D, Calara A, Jacob R, Beck N, Peiris AN. Hydrogen peroxide induced colitis: A case report and literature review. *Case Reports in Gastrointestinal Medicine*, Vol 2017, Article ID 6432063, 6 pages, doi: 10.1155/2017/6432063; PMID: 29435375
- *Peiris AN, Jaroudi S, Gavin M. Hypothermia. *JAMA.* 2018 Mar 27;319(12): 1290. doi: 10.1001/jama.2018.0749 PMID: 29584844
- *Peiris AN, Jaroudi S, Noor R. Heat stroke is the most dangerous heat-related illness, and it can be fatal. *JAMA.* 2014; 312(24):2659; doi:10.1001/jama.2017.18780 PMID: 29279936
- *Puckett Y, Zhang K, Blasingame J, Lorenzana J, Parameswaran S, Brooks MD FACS SE, Baronia BC, Griswold J. Safest time to resume oral anticoagulation in patients with traumatic brain injury. *Cureus*, 2018, July 3; 10(7) e2920. doi: 10.7759/cureus.2920. PMID: 30186725
- *Rassameehiran S, Teerakanok J, Suchartlikiwong S, Nugent K. Utility of the shock index for risk stratification in patients with acute upper gastrointestinal bleeding. *South Med J*, 2017 Nov; 110(11): 738-743. doi: 10.14423/SMJ.0000000000000729 PMID: 29100227
- *Sartin R, Kim C, Dissanaik S. Discussion of: "Is routine head CT indicated in awake stable older patients after a ground level fall? *Am J Surg*, 2017 Dec; 214(6):1055-1058. doi: 10.1016/j.amgsurg. 2017.07.038 PMID: 28958650
- *Scolaro J, Peiris AN. The hairy kidney of Erdheim-Chester disease. *Mayo Clinic*, doi.org/10.1016/j.mayocp.2018.03.003 PMID: 29728208

*Shen CL, Klein A, Chin KY, Mo H, Tsai P, Yang RS, Chyu MC, Ima-Nirwana S. Tocotrienols for bone health: A translational approach. *Ann NY Acad Sci.* 2017 Aug; 1401(1): 150-165. doi: 10.1111/nyas.13449. PMID: 2881093

*Shen C, Wang S, Yang S, Tomison M, Abbasi M, Hao L, Scott S, Khan M, Romero A, Felton C, Mo H. 12-week evaluation of annatto tocotrienol supplementation for postmenopausal women: Safety, quality of life, body composition, physical activity, and nutrient intake. *BMC Complementary and Alternative Medicine* (2018) 18:198, <https://doi.org/10.1186/s12906-018-2263-0> PMID: 29954374

*Shen L, Yang S, Tomison MD, Romero AW, Felton CK, Mo H. Tocotrienols supplementation suppressed bone resorption and oxidative stress in postmenopausal osteopenia women: A 12-week randomized double-blinded placebo-controlled trial. *Osteoporosis International* (in press); doi: 10.1007/s00198-017-4356-x; PMID: 29330573

*Tarbox J, Bansal A, Peiris AN. Angioedema. *JAMA.* 2018; 319(19):2054. doi:10.1001/jama.2018.4860

Thambuswamy J, Williams B, Levent F, Nur M. Gender differences in human papillomavirus vaccine series completion rate among children and adolescents in academic pediatric outpatient clinics in West Texas. *Texas Public Health Journal* 2017; Volume 69, Issue 1, 10-12

*Thompson CD, Henderson BE, Stanley R. Bladder calculi causing irreducible urogenital prolapse. *BMJ Case Rep.* 2018, Sept. doi: 10.1136/bcr-2018-225695

Vyas D, Huffman S, Wright J, Larumbe E, Purohit H. Multi-lingual pedagogy techniques for low confidence first responders: Innovative global trauma defense. *British Journal of Surgery*; BJS-1363-Sep-17

*Williams A, Jaroudi S, Peiris AN. Red blood cell distribution width (RDW) and its potential significance to orthopedic surgeons. *Journal of Orthopedics*, doi: 10.1016/j.jor.2018.01.025 PMID: 29657438

Zhang Y, Pappas D, Griswold J. Researchers' sepsis-detecting chip proves successful in human study. <http://today.ttu.edu/posts/2018/07/sepsis-papers>

*Zhang Y, Phy J, Scott-Johnson C, Garos S, Orlando J, Prien S, Huang JC. Effects of a Delphi consensus acupuncture treatment protocol on the levels of stress and vascular tone in women undergoing in-vitro fertilization: A randomized clinical trial protocol. *BMC Complement Altern Med.* 2017 Apr 4;17(1):197. doi: 10.1186/s12906-017-1693-4 PMID: 28376836

*Zhang Y, Wenjie L, Zhou Y, Johnson A, Venable A, Hassan A, Griswold J, Pappas D. Detection of sepsis in patient blood samples using CD64 expression in a microfluidic cell separation device. *Royal Society of Chemistry.* 8th November 2017. doi: 10.1039/c7an01471f; PMID: 29144515

*Zhang Y, Zhou y, Li W, Lyons V, Johnson A, Venable A, Griswold J, Pappas D. Multiparameter affinity microchip for early sepsis diagnosis based on CD64, and CD69 expression and cell capture. *Anal. Chem.*, 2018, 90(12), pp 7204–7211, doi: 10.1021/acs.analchem.7b05305, May 25, 2018 PMID: 29799723

Presentations (52)

Ahnood E, Bradley B, Kesey J, Elshiekh M, Dissanaik S, Griswold J. Improved background pain management in burn injured patients using an analgesia-only, non-drip, non-sedation protocol. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20–23, 2018

Amodeo M, Lee J, Dang T, Baronia B. Retrospective cohort to guide a surgical strategy, symptomatic chiari I patients treated with surgical algorithm. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20–23, 2018

Asad U, Aryaie A, Larumbe E, Williams M, Onkendi E. Impact of timing of interval cholecystectomy, following percutaneous cholecystectomy tube for acute cholecystitis, on operative and patient outcomes. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20–23, 2018

Atha V, Ching C, Manning R, Azarov N. Analysis of outcomes of cardiac arrest survivors in rural Texas, a single center experience. Is hypothermia after cardiac arrest for everyone? Permian Basin Research Forum, Odessa, Texas, April 19, 2018

Attaluri P, He E, Henderson J, Tan M. Myoglobin levels in burn patients with renal failure. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20–23, 2018

Aynampudi A, Wakefield S, Aligeti M, Rachamalla V. Metabolic monitoring of child and adolescent patients on atypical antipsychotics by psychiatry versus pediatrics or family medicine providers in primary care clinics of a University Medical Center. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20–23, 2018

Bokaie H, Street B, Levent F, Nur M. Improved human papillomavirus vaccination rate in a pediatric resident clinic after implementation of a quality improvement project. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20–23, 2018

Buie J, Khalil S, Massey C, de Riese W, Sharma P. Smaller prostate size at the time of radical prostatectomy for primary prostatic adenocarcinoma is associated with worse pathological features and increased tumor volume. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20–23, 2018

Carla J, Hong M, Carder T, Selvan V. Comparative use of piperacillin/tazobactam versus meropenam in patients with sepsis. Southwest Leadership Conference-ALCALDE XXXII, Woodlands, Texas, April, 2018

Carlsen-Landy D. A study of criminal history among young adults with co-occurring mental health and substance abuse disorders in psychiatry outpatient. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Chemitiganti R, Jaroudi S, Francisco R. Clomiphene as treatment for secondary hypogonadism complicated by polycythemia. Endocrine Society, ENDO 2018, Chicago, Illinois, March 17-20, 2018

Chuecos M. Villous vascular tree 3D morphology of ex vivo perfused human placental cotyledon. Society for Reproductive Investigations (SRI) 65th Annual Scientific Meeting, San Diego Bayfront, San Diego, CA, March 6-10, 2018

Clapp M, Tunnell J, Agusala V, Kola B. Effect of race and parity of breast feeding rates in West Texas. Permian Basin Research Forum, Odessa, Texas, April 19, 2018

Esquivel EC, Lung J, Dissanaik S. Time to operation does not influence health outcomes for perforated peptic ulcer disease. Southwest Surgical Conference Annual Meeting, Napa, CA, April 8-11, 2018

Fahad A, Larumbe E, Onkendi E. Impact of timing of interval cholecystectomy, following percutaneous cholecystostomy tube for acute cholecystitis, on operative and patient outcomes. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Glockner J, Lee Y. The impact of a pharmacist-driven propofol triglyceride monitoring program in an ICU. TTUHSC School of Pharmacy, 17th Annual Research Days, Amarillo, TX, June 13-14, 2018

Graham M, Chow K, Bainum T, Brabham D, MacLaughlin E. Prescribing patterns of dual antiplatelet therapy: Impact of DAPT score. TTUHSC School of Pharmacy and Cardiology Center of Amarillo, Amarillo Texas, June 13-14, 2018 and ASHP Midyear 2017 Clinical Meeting and Exhibition, Orlando Convention Center, Orlando, Florida, December 3-7, 2017

Griswold J, Aziz B, Le A, Shoujaa A, Patel D. Efficacy of adaptive support ventilation weaning in SICU and BICU patients. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Haase KK, Luc S. Employer & Student Perceptions of Essential Qualities & Skills in New Pharm.D. Graduates Entering the Workforce. 2018 Alcalde Southwest Leadership Conference, The Woodlands, Texas; April 5, 2018

Halfmann S, Kasemsri T, Reeves S, Womack C. Thiamine deficiency encephalopathy following prolonged gastroenteritis. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Hanson K, Presto P, Stephens M, Tangella N, Nagy L. Non-accidental trauma as a potential risk factor for deformational plagiocephaly development in the pediatric population. 30th Annual Student Research Week, TTUHSC, Lubbock Texas, March 20-23, 2018

Jain B, Khadelwal N. The effect of self-directed meditation on third year medical students. 2018 Permian Basin Research Forum, Odessa, TX, April 19-20, 2018

Jimenez R, Baronia R, Sneed Z, Nelson J, Erwin C, McGovern T. Assessing spirituality in inter-professional practice. Medicine and Relation Conference, JB Duke Hotel, Durham, North Carolina, March 29-31, 2018 and National Association of Catholic Nurses U.S.A. 2018 National Conference, San Antonio, Texas, August 2-3, 2018, and 7th Annual Conference on Medicine and Religion, St. Louis, MO, April 13, 2018

Kanani H, Blancett S. The faces mood likert-type scale: An ultra-brief screening instrument for major depression in patients with non-English first language. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Khadelwal N, Jain B. Effect of meditation on the well-being of medical students. Permian Basin Research Forum, Odessa, Texas, April 19, 2018

Kirk D, Gilmore J, Ray C, Larumbe E, McCartney D. Pediatric orbital fractures: A ten year retrospective chart review. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Kola B, Tunnell J, Agusala V. Effect of race and parity on breast feeding rates in West Texas. 2018 Permian Basin Research Forum, Odessa, Texas, April 19-20, 2018

Kola B, co-authors. Impact of parental asthma education on health care utilization. 2018 Academy Health Annual Research Meeting. March 2018

Kola B, Tunnell J, Mikesell M, Agusala V "Breast feeding support – Do female care providers perform better than their male peers?" 2017 American Academy of Pediatrics (AAP) National Conference & Exhibition, Chicago, IL, September 16-19, 2017

Le A, Tully N, Dissanaik S. Developing a database for forensic analysis: Impact of water temperature and exposure time on scald burns in human skin. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Lee C, Garcia K, Mortensen Z, Wright J, Cha I, Anderson N, Findley L, Williams S. Effect of wearable technology on patient-physician interaction in a family medicine clinic, a pilot study. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Lenamon H, Basinger R. Screening and prescribing patterns of ACE inhibitors or angiotensin receptor blockers for diabetic nephropathy. TTUHSC School of Pharmacy, 17th Annual Research Days, Amarillo, TX, June 13-14, 2018

Luc S, Haase K, Edwards K, Payne K, MacLaughlin E. Employer and student perceptions of essential qualities and skills in new PharmD graduates entering the workforce. TTUHSC School of Pharmacy, 17th Annual Research Days, Amarillo, Texas, June 13-14, 2018

Lung J, Tsen A, Evans E, Dennis JA. The association of social support and financial safety net with subjective happiness in medical students. American Medical Student Association Annual Convention, Washington DC, February 23-26, 2017 and TTUHSC Student Research Week, Lubbock, Texas, March 20-23, 2018

Maher J. Tissue histogram intensity of fetal liver and reference organs in women without diabetes or obesity. 2018 AIUM Convention, Hilton Midtown, New York City, NY, March 24-28, 2018

McCarty B, Nagy L. Degenerative spine changes in youth patients who participated in sports. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

McMahan D, Li A, Chastain L, Blaszczyk A. Risk factors associated with fractures in chronic motor complete spinal cord injury. TTUHSC School of Pharmacy, 17th Annual Research Days, Amarillo, TX, June 13-14, 2018

Mortensen Z, Weber T, Schwalm A, Ray C, Piepkorn M, Mitchell K. Commonly associated comorbidities associated with retinopathy of prematurity in Lubbock Texas region. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Navarro S, Colmer-Hamood J, Nelius T, Myntti M, Hamood A. Next science coated urinary tract catheters prevent biofilm development by urinary tract pathogens. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Parra E, Schlabritz-Lutsevich N, Watkins P, Hampton M, Myers J, Maher J. Tissue histogram intensity of fetal liver and reference organs in lean pregnant women. Permian Basin Research Forum, Odessa, Texas, April 19, 2018

Parra E, Schlabritz-Lutsevich N, Watkins P, Hampton M, Myers J, Maher J. Tissue histogram intensity of fetal liver and reference organs in women without diabetes or obesity. AIUM, New York, New York, March 28, 2018.

Presto P, Hanson K, Stephens M. Foramen size as a potential risk factor for febrile seizure development in the pediatric population. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Schmidt K, Avila M. Effects of comorbidities on multiple sclerosis clinical and MRI outcomes. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Schoen R, Khan W, Chastain L. Gamification of patient cases to simulate longitudinal chronic disease management. American Association of Colleges of Pharmacy Annual Meeting. Boston, MA. Jul 2018

Shreyder K, Parra E, Kodeih H, Pino D, Maher J, Schlabritz-Lutsevich N. Maternal cardiovascular echocardiographic structure and function in obese and non-obese pregnant patients in the first trimester of pregnancy. Permian Basin Research Forum, Odessa, Texas, April 19, 2018

Smith K, Avila M. Effects of comorbidities on multiple sclerosis clinical and MRI outcomes, Texas Tech University Health Sciences Center, Research Meeting April 2018

Thompson CD, Henderson BE, Stanley R. Complete uterovaginal and full-thickness rectal proctocentesis associated with urolithiasis. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Tunnell J, Mikesell M, Agusala V, Kola B. Breast feeding education: do female medical providers do better than their male peers? Laura Bush Symposium for Women's Health, October 27, 2017, Lubbock, TX

Vander-Plas S, Levent F, Nur M. Human papillomavirus vaccine series completion rate in pediatrics and family medicine clinics. Pediatric Academic Societies Meeting, San Francisco, CA, May 9, 2017.

Vengalil E, Deleon S, Chauncey K, Jones B. TTUHSC culinary medicine elective: Modification in course curriculum and effects on student competencies. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

Zhang Y, Phy JL, Orlando J, Garos S, Penrose L, Prien S, Huang J. Effects of a Delphi consensus acupuncture treatment protocol on the levels of stress and vascular tone in women undergoing in-vitro fertilization: A randomized clinical pilot study preliminary findings. 2018 International Congress on Integrative Medicine and Health, Baltimore, MD, May 7-11, 2018

Zumwalt M, Brindley G, Ashraf A, Woolridge A, Butler R, Weaver A, Chapa J, Dasaraju A. Gender/Ethnic differences in seeking healthcare plus time of recovery from procedures for shoulder/knee conditions. 30th Annual Student Research Week, TTUHSC, Lubbock, Texas, March 20-23, 2018

APPENDIX B

CRI ADVISORY COMMITTEE MEMBERS

ALYCE ASHCRAFT, PH.D., RN, CNE, FNGNA, ANEF | School of Nursing

STEVEN L. BERK, M.D. | TTUHSC Provost and School of Medicine Dean

CAROL BOSWELL, EDD, RN, CNE, ANEF, FAAN | School of Nursing, Permian Basin Campus

SHARON DECKER, RN, PH.D., ANEF, FAAN | F. Marie Hall SIMLife Center

SHARMILA DISSANAIKE, M.D. | School of Medicine

RON HALL II, PHARM.D, MSCS | School of Pharmacy, Dallas

CATHERINE LOVETT, MSN, RN, CCRC, CCRP | Managing Director, CRI

TEDD L. MITCHELL, M.D. | TTUHSC President

ALAN PEIRIS, M.D., PH.D., FRCP (LONDON) | Executive Director, CRI

NATALIA SCHLABRITZ-LUTSEVICH, M.D., PH.D. | School of Medicine, Permian Basin Campus

PHIL SIZER, JR. PT, PH.D. | School of Health Professions

THOMAS TENNER, JR., PH.D. | Assistant Director, CRI

APPENDIX C CRI TEAM

Lubbock

Staci Brown, Administrative Assistant

Deborah Conn, BSN, RN, CCRC, CCRA, Monitor

Kelsey Jendrzey, CCRC, Clinical Research Coordinator

Ami Knox, MBA, Clinical Research Coordinator

Eneko Larumbe, PH.D., Biostatistician

Catherine J. Lovett, MSN, RN, CCRC, CCRP, Managing Director

Erena Manning, PH.D., Biostatistician

Josie Martinez, BSOE, Section Manager

Alan N. Peiris, M.D., PH.D., FRCP, Executive Director

Rene Resendez, MA, CCRP, Regulatory Specialist

Amanda Romero, MSN, RN, CCRC, Clinical Research Coordinator

Chris Scott Johnson, MSN, RNC, CCRC, CA/CP, SANE, Clinical Research Coordinator

Thomas Tenner, Jr, PH.D., Assistant Director

Sarah Wood, LVN, Clinical Research Coordinator

Permian Basin

Jammie Holland, LVN, CCRC, Clinical Research Coordinator

Ailena Mulkey, RN, CCRC, Clinical Research Coordinator

Evangelina Santiago, LVN, CCRC, Clinical Research Coordinator

APPENDIX D

CRI MONTHLY RESEARCH WORKSHOP

DATES	SPEAKER(S)	TITLE
August 9, 2017	Inaugural Workshop-Richard Nolan Library Services	Finding that Needle in the Haystack: How to facilitate your research using the library
September 20, 2017	Margaret Vugrin, Library Services	How to Document Citations for Promotion & Tenure: A step beyond PubMed
October 25, 2017	Drs. Allan Haynes and Betsy Jones and Marta Collier Youngblood	Scholarship-What is it? Medical Education Scholarship: Grow where you're planted and CH Foundation and South Plains Foundation
November 15, 2017	Dr. Tom Xu	Research and Publish on the Cheap
December 6, 2017	Drs. Alyce Ashcraft and Kathleen Harris	TTU and TTUHSC Participation in the Dallas-Ft Worth Federal Statistics Data Center
December 20, 2017	Annual Symposium Dr. Tom Xu (noon)	Clinical Research Made Easy: A live demonstration
January 17, 2018	Drs. Cobb, Peiris, Dufour and Sarah Jaroudi	How to get your medical student into the residency program of their choice: applicability to other health professions
February 28, 2018	Dr. Vadivel Ganapathy	Carbidopa for hemochromatosis/iron overload: A hitherto unsuspected treatment option
April 18, 2018	Drs. Lyford & Kalenkoski, TTU	Researcher-Practitioner Collaborations: Connecting TTU and TTUHSC
May 16, 2018	Dr. Trey Putnam, Ron Hall, & Carlos Alvarez	The Clinical Pharmacology Research Core at TTUHSC's Dallas Campus
June 20, 2018	Dr. Phil Sizer	Rehab Science Research: Reaching New Heights
July 18, 2018	Dr. Nikhil Dhurandhar, TTU Nutrition Dept.	Better Obesity Management: Key Aspects and Considerations

APPENDIX E

SOCIETY OF CLINICAL RESEARCH ASSOCIATES (SoCRA) MEETINGS

DATES	SPEAKER(S)	TITLE
September 26, 2017	Kathleen M. Kearney	Do's and Don'ts of Medical Record Documentation
October 31, 2017	Rene Resendez and Kelsey Jendrzej	SoCRA 2017 Annual Conference GCP Highlights
December 19, 2017	Jacqueline Roberts	How to Prepare for an Internal Research Audit
February 27, 2018	Deborah Conn	Here comes the monitor
April 17, 2018	Nancy Swinford	Clinical trials in academia, one CCRC's perspective
June 26, 2018	Alan Peiris	Research and the role of the clinical investigator in 2018
August 28, 2018	Sonya Castro-Quirino and Pamela Frazier	Medicare's Clinical Research Billing Requirements and required coverage analyses



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