

The LAURA W. BUSH INSTITUTE *for* WOMEN'S HEALTH

impact

REPORT VOL I. | SPRING 2016 ★



HEALTH, INDIVIDUALLY INSPIRED.



Mission & Vision

MISSION

The Laura W. Bush Institute for Women's Health is dedicated to improving the lives of women and girls in Texas and across the nation by advancing multidisciplinary science in women's health. Recognizing that differences matter, we promote health, individually inspired, through scientific investigation, translation of science into practice, and providing outreach that impacts the community today and tomorrow.

VISION

To maintain a national position as leaders in women's health and gender-based medicine throughout Texas and the nation, while remaining committed to enriching the lives of women and girls in our communities.

DEAR FRIEND,



As you review this new Impact Report, I hope you will be proud, as I am, of the success the Laura W. Bush Institute for Women's Health has had this year.

The scientific research we support, from in vitro fertilization to managing diabetes, can improve the lives of millions of people. We are helping mothers and babies through the InfantRisk Center website, call center and the MommyMeds™ mobile app.

The Laura W. Bush Institute for Women's Health is active in communities across Texas providing health symposiums for women, "Girls Night Out" for college women, and inspiration and anti-bullying messages for tween girls. Cancer screenings continue throughout West Texas. This year, we added a mobile unit in the High Plains to better reach the underserved.

Thank you to the institute team, the National Advisory Board and Texas Tech University Health Sciences Center for funding this work and guiding these efforts. And, thank you for your interest in the Laura W. Bush Institute for Women's Health. I welcome your support as we work together to improve the lives of women in Texas and across the nation.

WARM REGARDS,

Laura Bush



WHAT A PLEASURE IT IS *to provide*

AN UPDATE ON THE PROGRESS OF THE LAURA W. BUSH INSTITUTE FOR WOMEN'S HEALTH.

The institute was founded in 2007 to improve the lives and health of women in Texas, where Mrs. Bush was born and raised. Great strides have been made, and the lives of more than 25,000 women have been directly touched through inspiring programs, resources and cancer screening. By improving, and sometimes saving, these lives, we stabilize the families and communities who rely upon them.

In 2010, institute founder Marjorie Jenkins, M.D., became acutely aware that biological differences between men and women were not being considered in many areas of health care. Using the slogan "differences matter," she began to challenge scientists, researchers and clinicians to study these differences and apply more personalized medical care to women across all areas.

As discoveries are made, the Laura W. Bush Institute for Women's Health is translating this new science into practice for physicians and medical students so everyone receives the personal treatment they deserve as soon as possible. We created modules identifying sex and gender differences across many disease states. These are available to physicians at no charge through our continuing medical education (CME) program, "Y Does X Make a Difference." Medical schools are using the curriculum modules to train future physicians.

Thank you for your interest and support of the Laura W. Bush Institute for Women's Health. Please let us know if you would like to know more about our important mission.

SINCERELY,

Connie Tyne

EXECUTIVE DIRECTOR

*Laura W. Bush Institute
for Women's Health*

Lee Ann White

CHAIRMAN

*National Advisory Board
Laura W. Bush Institute for Women's Health*



IMPROVING THE HEALTH *of our nation*

THROUGH PERSONALIZED MEDICINE REQUIRES THE INTEGRATION OF SEX AND GENDER ACROSS THE ENTIRE RESEARCH AND CLINICAL CARE CONTINUUM.

In June 2015, the National Institutes of Health (NIH), a \$30 billion annual research funder, announced that researchers will be required to study both sexes or risk losing funding opportunities. This is a game changer since the research pipeline is lined with males. TTUHSC was a pioneer when it launched an institute focusing on women's health and sex and gender differences in 2007.

Today, the work of the Laura W. Bush Institute for Women's Health reaches across TTUHSC, federal agencies, academic health centers and advocacy groups to help ensure the integration of sex and gender into research, education and clinical care. Whether by providing millions of dollars for research and educational programs or chairing the first U.S. Sex and Gender Medical Education Summit, when these issues are on the agenda, the institute is not only at the table but often leading the way. Together, we are years ahead of the majority of academic health centers, which are still satisfied with the status quo and a one-sex model of health care.

We are a recognized and sought-after leader in sex- and gender-specific women's health because of the support of TTUHSC leadership, the commitment of faculty, staff and students and the generosity of our communities and donors.

SINCERELY,

Marjorie Jenkins, M.D.

CHIEF SCIENTIFIC OFFICER

Laura W. Bush Institute for Women's Health

National Advisory BOARD MEMBERS



BACK ROW

(STANDING L-R)

Lisa Troutt, Lana Andrews, Margaret Purvis, Jan Rees-Jones, Nancy Neal,
Nancy Weiss, Christy McClendon, Andi Ball, Connie Tyne, Jeanne Tower Cox,
Elizabeth Webb, Diana Strauss, Cheryl Kinney, M.D., and Larry Gill

FRONT ROW

(SITTING L-R)

Debbie Francis, Laura Street, Lea Wright, Lee Ann White, Laura Bush,
Donna Williams, Bitsy Stone and Tedd Mitchell, M.D.

NOT PICTURED

Liz Bates, Norman Dozier, M.D., Terri Duncan, Susie Hance, Gloria Hicks,
Brady Johnson, Diane Scovell, Betsy Sowell and Janet Tornelli-Mitchell, M.D.



LAYING THE FOUNDATION

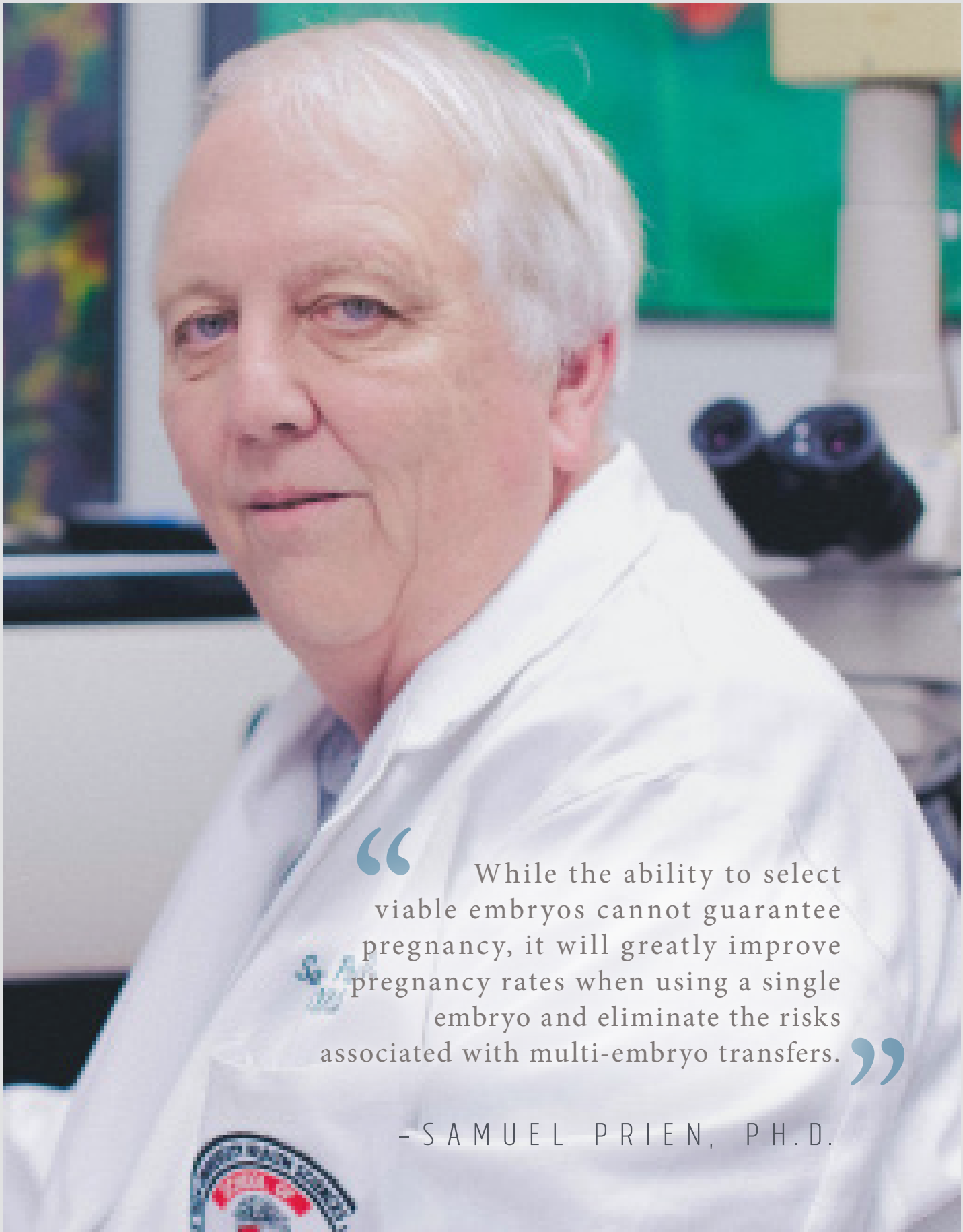
for improved in vitro fertilization results

While the past 35 years have seen significant strides in assistive reproductive technologies, two common problems persist: multiple births and embryo failure. To combat these problems, it would be ideal to use a selection process that identifies the most robust embryo, instead of implanting multiples.

Current technology can test the genetic makeup of an embryo, but it is an expensive process that not all labs are equipped to handle and can potentially damage the embryo. With single embryo transfer becoming the standard practice for in vitro fertilization, there is an increasing need for a highly reliable selection process.

Recognizing this need, Samuel Prien, Ph.D., began working on a solution. Starting with a seed grant from the Laura W. Bush Institute for Women's Health and other funding, Prien, with co-researchers Cara Wessels and Lindsay Penrose, Ph.D., set out to design a method to identify the healthiest embryo using a technique that can be performed in most labs.

continue page 12

A portrait of Samuel Prien, Ph.D., an older man with white hair, wearing a white lab coat over a blue shirt. He is looking slightly to the left of the camera. In the background, there is a green wall and a microscope.

“ While the ability to select viable embryos cannot guarantee pregnancy, it will greatly improve pregnancy rates when using a single embryo and eliminate the risks associated with multi-embryo transfers. ”

- SAMUEL PRIEN, PH.D.

LAYING the FOUNDATION

continued

Determining that larger embryos are more viable, the team was faced with the challenge of measuring the mass of something microscopic. With basic laboratory equipment not sensitive enough for this, Prien's team created a viscous liquid that would not harm the embryos. Using this liquid, embryos were dropped and their rate of descent measured. To determine a descent rate and criteria that an embryo had to meet to be considered viable, Prien's team invented equipment to properly measure and record this data, which is now patent pending.



Following his success rates in animal births,

PRIEN ESTABLISHED A JOINT RESEARCH PROJECT WITH A GROUP IN HOUSTON TO START WORKING WITH HUMANS. THIS RESEARCH WILL BE A TREMENDOUS BENEFIT TO COUPLES DURING IN VITRO FERTILIZATION WHO ARE FACED WITH CRITICAL DECISIONS. HIS RESEARCH HAS BEEN PUBLISHED IN "HUMAN REPRODUCTION" (SEPTEMBER 2015), DETAILED IN TWO ABSTRACTS IN "FERTILITY AND STERILITY" AND FEATURED AT THE AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE ANNUAL MEETING IN OCTOBER 2015 IN BALTIMORE. MOST RECENTLY, HE HAS BEEN CONTACTED BY THE GERMAN JOURNAL, "KOMPAKT GYNÄKOLOGIE," FOR A FEATURE IN AN UPCOMING ISSUE.



InfantRisk Center

AT TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER

INFANT RISK

CENTER *update*

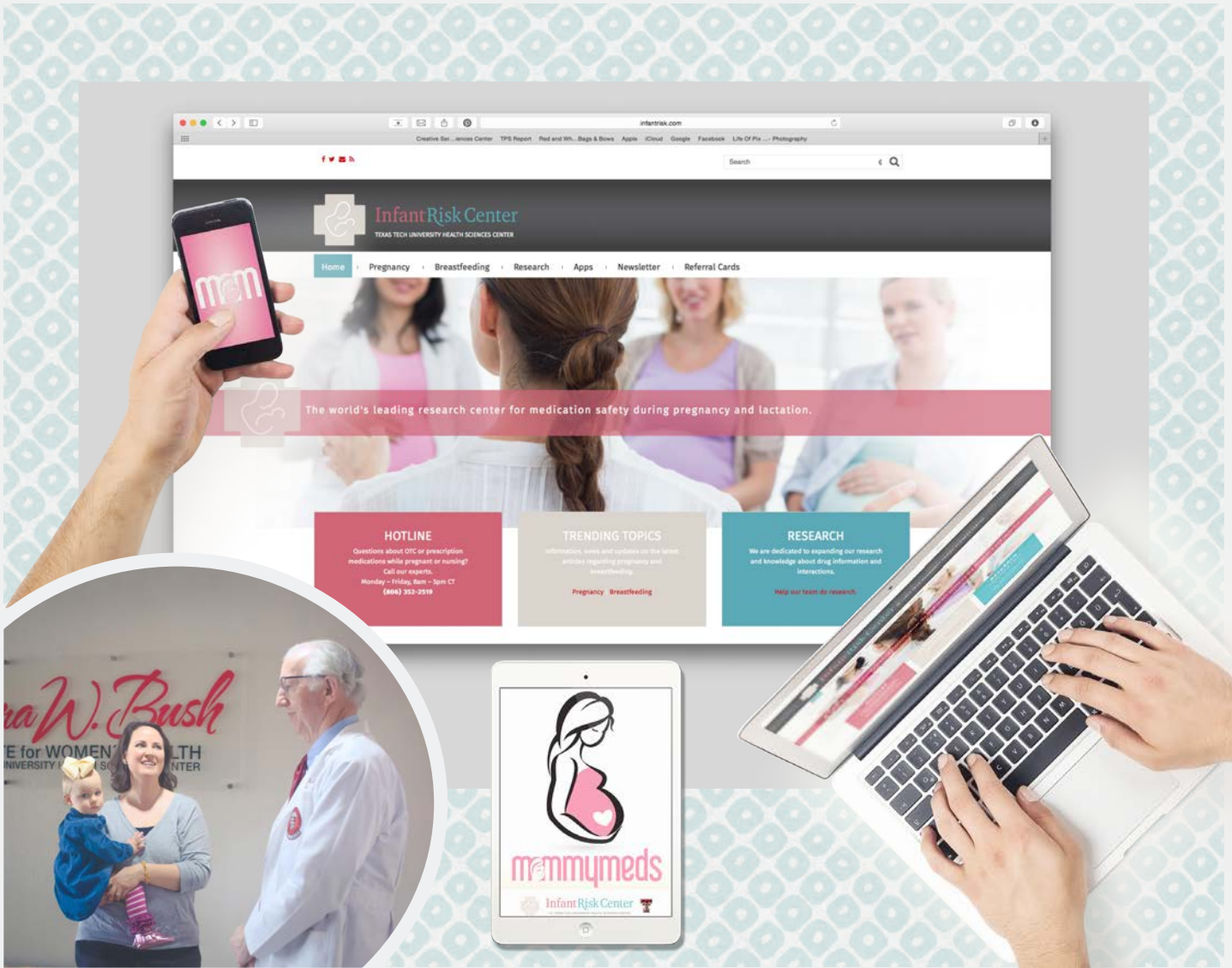
Staff nurses at The InfantRisk Center have answered more than 38,000 calls. Over 70 percent of callers are new and expectant mothers receiving information on pregnancy and lactation concerns. In early November 2015, the InfantRisk Center received news that the David and Nona Payne Foundation of Pampa, Texas, approved a grant request for \$195,000 to support the center. This generous gift will fund two nurses for the next three years and provide a tremendous service to mothers and health care professionals across the country and around the world.

With over one million hits on the website each year, the InfantRisk Center created the MommyMeds mobile app for added convenience. The app is a database of information on drugs and their effects on pregnancy and breastfeeding. Thomas Hale, Ph.D., R.Ph., executive director of the InfantRisk Center, and his staff continually update the apps 20,000 medications to ensure that parents have access to the latest information and are able to make fast, well-informed decisions.

Nourish for Life



WWW.INFANTRISK.COM



TOUCHING LIVES WORLDWIDE & CLOSE TO HOME

Mom Julia Hill and her daughters, Elizabeth and Caroline, meet Dr. Hale of the InfantRisk Center. Julia says the center guided her through healthy breastfeeding while taking medication.

To address the constantly growing need for information on new medical conditions and drugs, the InfantRisk Center conducts ongoing research involving breastfeeding, medications and conditions like cancer. For example, researchers know that Human Papilloma Virus (HPV) is shed from the mother's body in breast milk. This research may provide answers on the safety of breast milk in HPV-positive mothers and explain the reason for lower rates of breast cancer in women who breastfeed.

The center has done previous research on breast milk and determined that cancer markers can be detected from breast milk in mothers with a family history of BRCA.

Breast milk, which contains large amounts of breast tissue, may soon provide non-invasive access to these cellular markers similar to a biopsy and lead to early cancer detection.

In addition to this research, four pharmaceutical firms have contacted the center for drug studies in breastfeeding women. Continuously pursuing drug testing by expanding their ability to do clinical trials with commercially available drugs is the center's ongoing work. They are on track to publish three studies on individual drugs and are setting up a study to consider the effects of cannabis in breastfeeding mothers and its transfer to breast milk.

Scholar recipients

SEED GRANT & RESEARCH

MORE THAN \$100,000 GRANTED TO TTUHSC FACULTY RESEARCH ON TOPICS FROM "THE ROLE OF POTASSIUM CHANNELS IN UTERINE EXCITABILITY" BY PABLO ARTIGAS, PH.D., AND DOMINIQUE GAGNON, PH.D., TO "GENDER DISPARITY IN BURN INJURY SURVIVAL" BY SHARMILA DISSANAIKE, M.D., AND KENDRA RUMBAUGH, PH.D.

WOMEN'S HEALTH RESEARCH

PROVIDES FUNDING AND RESEARCH SUPPORT FOR TTUHSC CLINICAL FACULTY TO DEVELOP PROJECTS IN WOMEN'S HEALTH OR GENDER DIFFERENCES WITH A GRANT OF UP TO \$20,000, WHICH IS DISTRIBUTED OVER TWO YEARS.



ARE MENTAL HEALTH ISSUES IN DIABETICS FROM NEW MEXICO AND WEST TEXAS MORE PREVALENT IN ADOLESCENT GIRLS THAN IN ADOLESCENT BOYS?

\$10,303

MARCELA NUR, M.D.
School of Medicine

NANCY BECK, M.D.
School of Medicine

QUANTITATIVE ANALYSIS OF NERVE FIBERS IN ENDOMETRIOSIS: POTENTIAL FOR BETTER MANAGEMENT OF PAIN IN THE FUTURE

\$10,000

ANJANA NAIR, M.D.
School of Medicine

EFFECT OF ACUPUNCTURE ON VASCULAR BIOMARKERS AND PSYCHOLOGICAL WELL-BEING OF WOMEN UNDERGOING IN VITRO FERTILIZATION

\$10,000

JENNIFER PHY, D.O.
School of Medicine

JAOU-CHEN HUANG, M.D.
School of Medicine

IODINE LEVELS IN PREGNANT WOMEN IN WEST TEXAS

\$8,500

SURENDRA VARMA, M.D.
School of Medicine

ROBERT KAUFFMAN, M.D.
School of Medicine

CENTRALIZED SEED GRANTS

MADE POSSIBLE BY THE GENEROUS SUPPORT FROM THE UNIVERSITY MEDICAL CENTER (UMC) HEALTH SYSTEM, WORKING TO ADVANCE WOMEN'S HEALTH ACROSS MULTI-DISCIPLINARY SCIENCES. ELIGIBLE RESEARCH HIGHLIGHTS SEX- AND GENDER-BASED MEDICINE WITH A FOCUS ON WOMEN'S HEALTH. THESE UMC-BACKED SEED GRANTS GIVE RESEARCHERS UP TO \$20,000 FOR ONE YEAR OF RESEARCH.

GENDER DISPARITY IN BURN
INJURY SURVIVAL

\$10,000

SHARMILA DISSANAIKE, M.D.
School of Medicine

KENDRA RUMBAUGH, PH.D.
School of Medicine

GENDER DIFFERENCES IN
MULTIPLE SCLEROSIS RELATED
PAIN, CORRELATION WITH
BURDEN OF DISEASE AND
RESPONSIVENESS TO PAIN-
RELIEVING INTERVENTIONS

\$7,000

JOHN DETOLEDO, M.D.
School of Medicine

VOLKER NEUGEBAUER, M.D., PH.D.
School of Medicine

ROLE OF POTASSIUM
CHANNELS IN UTERUS
EXCITABILITY

\$20,000

PABLO ARTIGAS, PH.D.
School of Medicine

DOMINIQUE GAGNON, PH.D.
*Texas Tech University
Department of Physics*

INFLUENCE OF AGE ON THE
EFFECT OF PRECLINICAL
COGNITIVE DECLINE ON
MOBILITY IN WOMEN

\$10,300

C. ROGER JAMES, PH.D.
School of Medicine

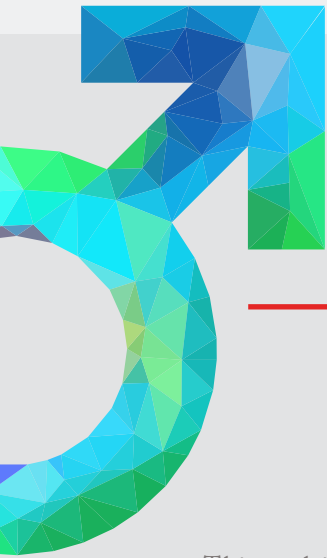
JOHN DETOLEDO, M.D.
School of Medicine

DOES ABNORMAL
NEUROMUSCULAR
JUNCTION FUNCTION
PLAY A ROLE IN THE
PATHOGENESIS OF
MOTOR FATIGUE IN
WOMEN IN THE
CHILDBEARING
PERIOD WITH MULTIPLE
SCLEROSIS?

\$17,000

AHMED ELDOKLA, M.D.
School of Medicine

JOHN DETOLEDO, M.D.
School of Medicine



SEX & GENDER

SPECIFIC *Health*

SEX- AND GENDER-SPECIFIC HEALTH CURRICULUM:

SEXANDGENDERHEALTH.ORG

This multi-unit web-based program, co-directed by Robert Casanova, M.D., is designed to benefit students as an enhancement to existing curriculum that can be integrated across disciplines including medicine, nursing, pharmacy and the health sciences. The blend of interactive exercises, graphics and videos engage learners in a way that lectures or textbooks cannot. These curriculum modules reinforce classroom learning through experience showing better outcomes when the patient is given personalized care.

To assist professors who are not currently including sex and gender differences in their courses, there are lecture slides with full references that can easily be inserted into existing lectures to reinforce this new information.

TOPICS INCLUDE:

- BREAST CANCER
- COLON CANCER
- DEPRESSION
- DIABETES
- LUNG CANCER
- OSTEOPOROSIS
- URINARY TRACT INFECTION
- OBSTRUCTIVE SLEEP APNEA
- PAIN MANAGEMENT
- ACUTE CORONARY SYNDROME
- ALZHEIMER'S DISEASE
- ANESTHESIA
- ASTHMA
- IMMUNOLOGY
- INFLAMMATORY BOWEL DISEASE
- MULTIPLE MYELOMA
- NEONATAL MORBIDITY/ MORTALITY
- PHARMACOTHERAPY
- STROKE



“There is a male bias throughout biomedical research; we know much less about females than males.”

— P. MICHAEL CONN, PH.D.

SENIOR VICE PRESIDENT OF RESEARCH

Texas Tech University Health Sciences Center



SEX & GENDER-BASED HEALTH

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER.



"Y" DOES "X" MAKE A DIFFERENCE | CONTINUING MEDICAL EDUCATION SERIES: LAURABUSHINSTITUTE.ORG/PROFESSIONAL-EDUCATION.ASPX

Each year physicians complete several hours of continuing medical education (CME) to receive updates within their specialty. The institute has produced modules highlighting new information regarding sex and gender differences across many disease states and conditions and provides a certificate of completion at no cost. Joanna Wilson, D.O., is co-director of this program.

TOPICS INCLUDE:

- | | | | | |
|-----------------------|-------------------|--------------------|---------------|------------------|
| · ALZHEIMER'S DISEASE | · ETHICS | · DIABETES | · LIPIDS | · OSTEOPOROSIS |
| · BREAST CANCER | · SLEEP DISORDERS | · CARDIOVASCULAR | · INFLUENZA | · POST-TRAUMATIC |
| · EMERGENCY MEDICINE | · ACUTE CORONARY | DISEASE PREVENTION | · PAIN | STRESS DISORDER |
| · SEXUAL DYSFUNCTION | SYNDROME (ACS) | · BENCH-TO-BEDSIDE | · DERMATOLOGY | (PTSD) |

The Practitioner Registry

MANY PATIENTS WANT TO KNOW WHICH PHYSICIANS ARE UPDATING THEIR KNOWLEDGE AND SKILL AND INCORPORATING SEX AND GENDER DIFFERENCES INTO THEIR PRACTICES. TO MEET THAT NEED, THE INSTITUTE CREATED A SEARCHABLE NATIONAL REGISTRY IN PARTNERSHIP WITH THE SEX AND GENDER WOMEN'S HEALTH COLLABORATIVE FOR PRACTITIONERS WHO COMPLETE TEN (10) HOURS OF QUALIFYING CME.

PARTICIPATION INCLUDES A TWO-YEAR LISTING IN THE REGISTRY, A CERTIFICATE OF COMPLETION IN SEX- AND GENDER-BASED HEALTH FROM THE LAURA W. BUSH INSTITUTE FOR WOMEN'S HEALTH AND PERIODIC PROFESSIONAL UPDATES FROM THE SEX AND GENDER WOMEN'S HEALTH COLLABORATIVE.

Learn more at WWW.SGWHC.ORG

SEX & GENDER

MEDICAL EDUCATION SUMMIT



The Mayo Clinic in Rochester Minnesota was the site of the first Sex and Gender Medical Education Summit in October.

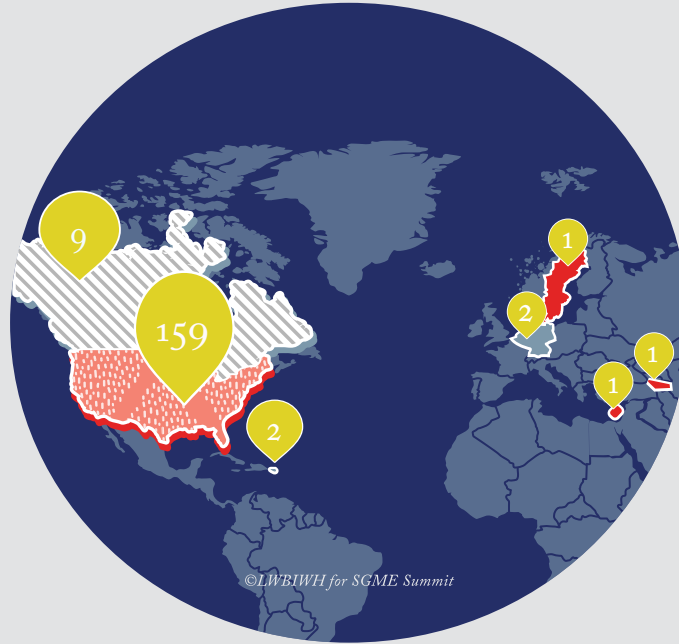
The two-day event featured the Laura W. Bush Institute for Women's Health and TTUHSC as two of the four premier sponsors. Marjorie Jenkins, M.D., served as the chair of the summit, and Robert Casanova, M.D., co-director of the Laura W. Bush Institute for Women's Health Sex- and Gender-Based Curriculum, was a featured speaker. More than one hundred medical schools, three federal agencies, six international medical schools and several professional organizations participated. The events during the summit were streamed live and are archived for later use.

This was an opportunity for the Sex- and Gender-Based Medicine office of the institute to exhibit the curriculum and learning modules that have been developed.

EPROCEEDINGS FROM THE SUMMIT HAVE BEEN PUBLISHED AND CAN BE FOUND AT

SGBMEDICATIONSUMMIT.COM/SUMMIT-PROCEEDINGS

SGME SUMMIT PARTICIPANT MAP



STATISTICS

- 99 U.S. SCHOOLS
- 15 PROFESSIONAL ORGANIZATIONS
- 11 NONPROFIT ORGANIZATIONS
- 12 INTERNATIONAL SCHOOLS
- 4 STUDENT ORGANIZATIONS
- 4 GOVERNMENT AGENCIES

148 IN-PERSON ATTENDEES · 27 WEBCAST ATTENDEES*

**as of November 10, 2015*

“

The institute is committed to delivering effective medical education for current and future physicians to ensure all patients receive personalized medicine, individually inspired, with the best possible outcome for each one.

”

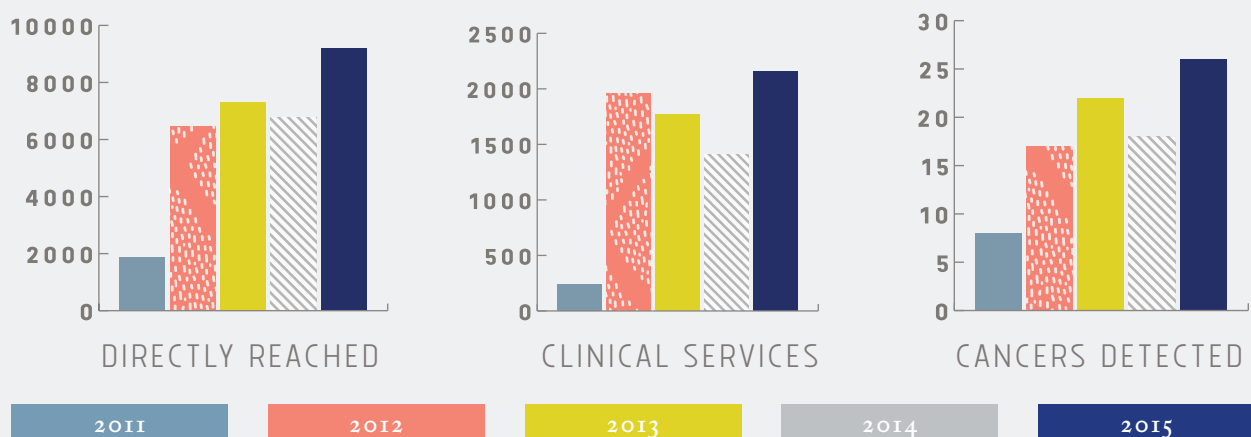
- CONNIE TYNE, M.S.

EXECUTIVE DIRECTOR

Laura W. Bush Institute for Women's Health

CANCER PREVENTION

& RESEARCH INSTITUTE OF TEXAS *update*



The Laura W. Bush Institute for Women's Health received \$7.2 million in grants from the Cancer Prevention & Research Institute of Texas (CPRIT) for the women of the High Plains and Concho Valley. Numerous services were offered for the uninsured and underinsured, including the addition of cervical cancer screening. The improved program has been renamed the Access to Breast and Cervical Care for West Texas.

Additionally, free Human Papilloma Virus (HPV) vaccinations have been provided for adolescent girls and boys, which protects against certain cancers caused by the virus.

The Breast Center of Excellence (BCE) in Amarillo rolled out a new method of providing services for underserved women in the Texas Panhandle, participating in a semi-annual health fair for the homeless. Through a collaboration with the TTUHSC School of Medicine's SiMCentral, their mobile simulation center was transformed into a pap and BCE mobile unit, offering clinical services including pap tests, clinical breast exams and HPV vaccinations.

The BCE partnered with the Washington Street Family Service Center in July and the BCE mobile unit was at work. Volunteers also distributed food and clothing to underserved families through a partnership with the High Plains Food Bank and Texas A&M Texas AgriLife Extension.

The Concho Valley expanded services from 14 to 21 counties for women ages 21 and older for cervical cancer screening and 40 and older for breast cancer screening. Twenty-two new providers were added to cover more than 25,500 square miles.

Through these valuable screening programs, the Laura W. Bush Institute for Women's Health reaches women who do not have the means to seek medical attention but truly need it.

LOCATIONS - CAMPUS WIDE EVENTS - WOMEN'S SYMPOSIUMS



SERVICE AREAS

Abilene • Amarillo • Corpus Christi • Dallas • Fort Worth • Lubbock • Permian Basin • San Angelo

CAMPUS WIDE EVENTS

GIRL POWER



GiRL (Girls in Real Life) Power is a very popular community service effectively impacting tween girls and their mothers with dialogs on anti-bullying, Internet safety, health, nutrition and self-esteem. This year, programs were hosted in Amarillo, San Angelo, Dalhart, Pampa and Canadian, Texas.

Approximately 1,200 young girls and mothers were motivated by outstanding speakers like Miss Texas, Monique Evans; 14-year-old X-Factor finalist Rion Paige; and the first Hispanic female flight director for NASA, Ginger Kerrick. Each shared inspiring messages from their life experiences in building healthy relationships and navigating life's challenges in positive and effective ways.

GIRLS NIGHT OUT



This unique program for college students, which is powerful for women and men, was held in Corpus Christi, Kingsville, Lubbock and San Angelo and featured inspiring messages on safety, perseverance, hope and healthy habits. Dynamic presentations were made by Beth Holloway, mother of Natalee Holloway who disappeared from Aruba in 2005, Pat Smith, philanthropist, activist and wife of Emmitt Smith, and Lori Hart, Ph.D., an expert on alcohol consumption and abuse.

The turnout was remarkable! More than 4,000 young women and 750 young men attended these amazing programs, which were provided in collaboration with Texas Tech University, Angelo State University, Texas A&M University in Corpus Christi, Del Mar College in Corpus Christi and Texas A&M University in Kingsville.

FOOD + PROFESSIONALS



In Amarillo and San Angelo, "Lunch 'n Learn" events and "Eat with the Expert" dinners consistently bring women's health topics and innovative new ideas to their respective communities.

"FALL FAVORITES: HOLIDAY COOKING DEMO"
BY MICHAEL BLANC, M.D., AND
CHEF JASON PARKER

"YOUR BRAIN & DECISION MAKING" BY
DUNCAN FISCHER, M.D., AND
SHARON KULIG, M.D.

"THE GOOD, THE BAD, AND FINDING YOUR
BEST RELATIONSHIP BALANCE YET"
BY MARJORIE JENKINS, M.D.

"HORMONALLY EVER AFTER" BY
TERESA BAKER, M.D.

"EAT LIKE A WOMAN" BY CO-AUTHORS
STANESS JONEKOS AND MARJORIE JENKINS, M.D.

"WHAT'S IN THE FOUNTAIN OF YOUTH . . .
REALLY!" BY DEBORAH HAJOVSKY, M.D.



HABLANDO DE LA SALUD DE LA MUJER

In partnership with Telemundo and TTUHSC, the institute participated in “Hablando de la Salud de la Mujer” or “Speaking of Women’s Health,” an annual health fair providing health screenings and immunizations to approximately 450 women. The institute reached underserved women with valuable information for themselves and their families.



POWER OF THE PURSE

The 2015 “Power of the Purse” event entertained more than 750 guests with keynote speaker Lauren Bush Lauren, CEO and founder of the FEED Organization, which works to provide hungry children meals at home and at school. Net proceeds from the luncheon were designated to scientific research unique to women’s health. There was also support for medical education programs, including the institute’s “Y Does X Make a Difference” CME Series and the Gender-Specific Health curriculum project.



THE COLOR RUN

The Happiest 5k on the Planet brought together more than 3,000 participants and 200 volunteers and encouraged people of the Texas Panhandle to come together to improve their health and have fun doing it.



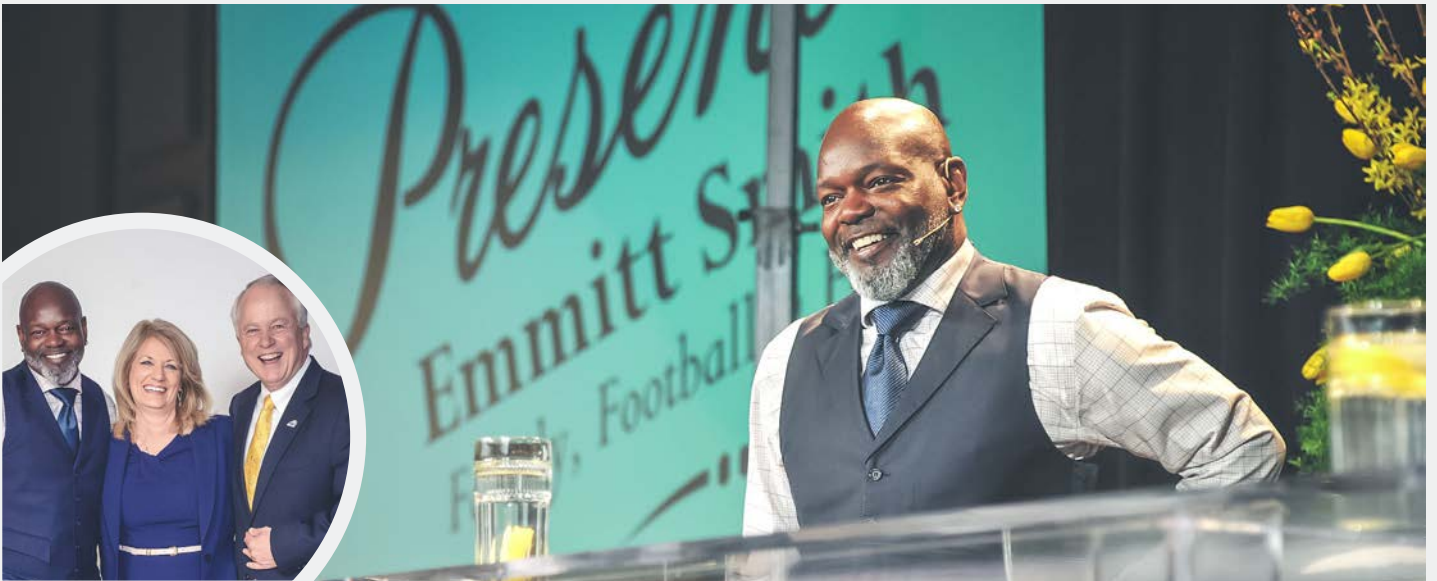


A CONVERSATION WITH MRS. LAURA BUSH

National Advisory Board member Mrs. Gloria Hicks hosted the sold-out luncheon, for 600 guests in Corpus Christi. Former First Lady Laura W. Bush and TTUHSC President Tedd L. Mitchell, M.D., shared a candid conversation about women's health and heart health. Everyone enjoyed Mrs. Bush's stories about her family and the challenges and obligations of being the first lady.

CORPUS CHRISTI





**LAURA W. BUSH INSTITUTE
FOR WOMEN'S HEALTH PRESENTS**

The "Laura W. Bush Institute for Women's Health Presents" luncheon attracted a great crowd to hear keynote speaker, former Dallas Cowboy Emmitt Smith. Smith's presentation "Football, Family and Fame" included stories about his personal life and football career. Nearly 700 guests attended and proceeds benefitted community service projects in San Angelo and the Concho Valley.

RODEO SWEETHEARTS

As a sequel to last year's sold-out performances of Rodeo Sweethearts, an all-new script was written by Leslie Mayrand, Ph.D., Angelo State University Archer College of Health and Human Services Dean. The new show had more laughs, taller tales and even bigger hair. Revenue from the play benefitted the institute's Breast and Cervical Cancer Treatment Fund, which assists local women in paying for post-diagnosis treatment.

SAN ANGELO

PINK OUT SAN ANGELO

During Breast Cancer Awareness month, the institute hosted "Pink Out San Angelo" and raised more than \$21,000 to benefit the Breast and Cervical Cancer Treatment Fund.

SCHOLAR AWARDS

The institute awarded six scholars from the Angelo State University Archer College of Health and Human Services \$8,000 each. They participated in projects in their chosen field of research, education or outreach with special interest in women's health and gender medicine.

**TOGETHER AT THE TABLE:
TEXAS HUNGER AND
POVERTY SUMMIT**

More than 125 people attended the second annual event, "Together at the Table: Texas Hunger and Poverty Summit." This collaboration with the Texas Hunger Initiative, the U.S. Department of Agriculture, the Alliance to End Hunger, Feeding Texas and Baylor University provided an opportunity for experts to share their knowledge regarding food insecurity and strategies for ending hunger.



**INTERDICTION FOR THE
PROTECTION OF CHILDREN**

In partnership with the Angelo State University Nursing Honor Society, the institute hosted "Interdiction for the Protection of Children," a program addressing the impact of domestic violence on women and children with more than 120 attendees.

RAD GRANT

Recently, the institute's San Angelo office was awarded a \$35,900 grant to implement the Rape, Aggression, Defense (RAD) System program throughout the Concho Valley. RAD Systems Self-Defense instructor training sessions were held to certify new trainers. The program teaches self-defense techniques, such as being aware of surroundings, handling abuse, dealing with family violence and avoiding abduction. RAD for Women instructors, 19 dual-certified RAD for Men instructors, and 11 instructors have been certified as trainers.

WOMEN'S SYMPOSIUMS



4TH ANNUAL SEX- & GENDER-BASED MEDICINE AND WOMEN'S HEALTH SYMPOSIUM

Lubbock, Texas

In collaboration with the Office of the President and the Office of the Provost, the institute hosted the fourth annual symposium "Pain: Sex and Gender Differences in Research, Treatment and Management." The symposium featured experts, Jeffrey Mogil, Ph.D., recognized authority in the field of sex differences in pain and analgesia from McGill University, and Paul K. Maciejewski, Ph.D., expert on social, psychological and cultural influences on palliative care from Weill Cornell Medical College. Approximately 135 faculty and staff and 180 students heard important messages from the two keynote speakers, followed by two panel discussions with other TTUHSC faculty.

Student and faculty abstracts were presented on women's health, with special emphasis on student-involvement in sex- and gender-based medicine. These were part of a poster competition. Winners received prize money presented by TTUHSC President Tedd L. Mitchell, M.D., and TTUHSC School of Medicine Dean Steven L. Berk, M.D.



WOMEN'S HEALTH SYMPOSIUMS

Dallas, Texas

The Dallas Women's Health Symposium, "Matters of the Heart," was held in February. This morning event was made possible by the generous underwriting of Lee Ann and Alan White, PlainsCapital Bank and members of the Laura W. Bush Institute for Women's Health National Advisory Board. Former First Lady Laura W. Bush made the opening remarks and welcomed 400 guests to the Ritz-Carlton Hotel. Distinguished speakers included Wayne Isom, M.D., and Holly Anderson, M.D., both from NewYork-Presbyterian Weill Cornell Medical Center, and Marjorie Jenkins, M.D., chief scientific officer for the Laura W. Bush Institute for Women's Health.



Amarillo, Texas

Amarillo hosted a "Day of the Woman" symposium in November. The featured keynote speaker was cardiologist Erica Jones, M.D., from NewYork-Presbyterian Hospital Weill Cornell Medical Center. Her presentation, "Bless your Heart," focused on symptoms and treatment of heart disease in women. Rakshanda Rahman, M.D., from the Amarillo Breast Center of Excellence, went beyond the heart to cover many other health topics for women.



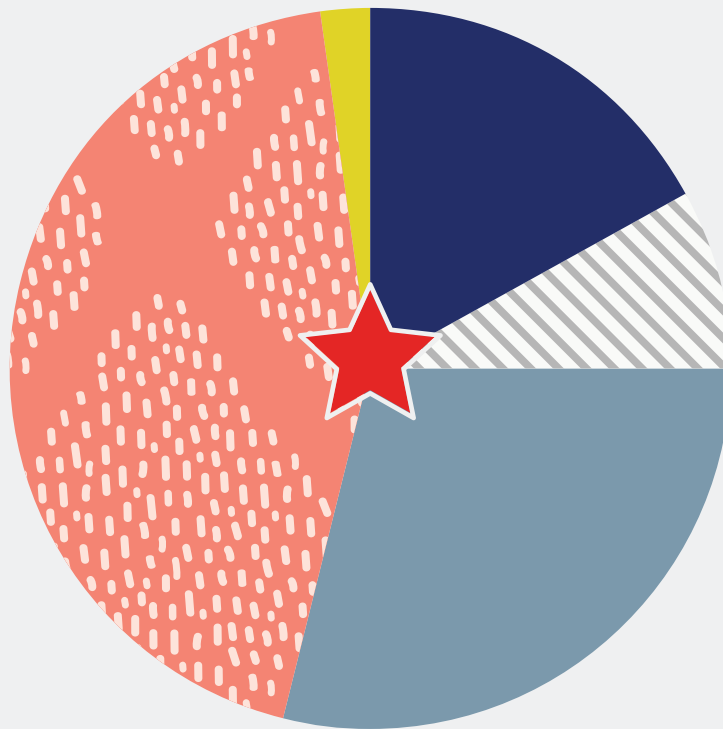
Corpus Christi, Texas

In October, the institute hosted the "Day of the Women" symposium at Del Mar College in Corpus Christi. This event featured three unique speakers and topics. Cheryl Kinney, M.D., presented "50 Shades of Gynecology," Susan Bergeson, Ph.D., presented "Sex and Gender Difference in Alcohol Abuse and Recovery" and Connie Tyne, M.S., presented "The Joy of Sleep: How to be Thinner, Smarter and Happier." National Advisory Board member Mrs. Gloria Hicks served as chairman of this event, which was no cost to the guests.



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