

USU Newsletter

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THE UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES ANESTHESIA PROGRAM

Bohan, KJ
Uniformed Services University, Bethesda, MD

... anesthesia education program's success. For the military, maximizing the
... levels for peace and war-time contingency operations. The review of
... relating to success, noting undergraduate science GPA in at least three
... of this investigation was to analyze current admission criteria used to select
... anesthesia program and to examine the relationships among multiple variables
... examination (NCE) performance. Utilizing significant preadmission selection
... of military and federal missions.



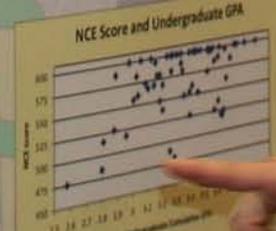
Conclusion

The review of literature has revealed undergraduate science GPA as the
only traditional admission characteristic consistently useful to student nurse
anesthesia success. This investigation also found undergraduate GPA
predictive to the NCE score but not for program completion. Rather, age,
and gender were predictive of program completion. Male, being an odds
ratio of 25, were predictive for program completion whereas reducing
direction of age, with an odds ratio of 0.8, were less likely to complete the
program. An interesting cut point in age, above 25 demonstrated a 7 fold risk
for non-completion. GRE scores, master's degree, adult care experience,
military rank, military times, and marital status, were not significant to
success. A larger sample size is needed for future studies to broaden
findings to other nurse anesthesia programs. Further research in non-
traditional characteristics may also serve to refine selection criteria most
predictive of student success.

... tabulations revealed an association in
... differences. During the years 2003-2007,
... % of the males withdrew from the program.
... er 6.5% withdrew compared to 33.3% for
... the manner, logistic regression showed
... predictive of program completion
... Those students successfully completing
... ch all (n=63) obtained NCE scores were
... le relationships between admission
... Pearson correlation analysis demonstrated a
... graduate GPA (0.341) with (p<.003) to the
... o indicated undergraduate GPA (R= .341, R
... are = 0.102) with 11.6% of the variance
... e GPA.

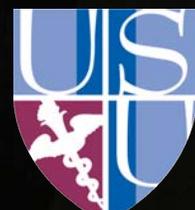
NCE Score and Undergraduate GPA

NCE Score and Science GPA



References

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USU Newsletter

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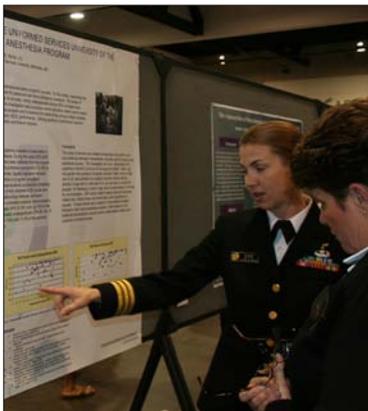
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*PHS Cmdr. Kristal Dye, a USU CRNA student, explains her award-winning research poster to Capt. Kathleen Pierce, deputy director of the U.S. Navy Nurse Corps.
(Cover photo: Sharon Willis)*

Maye Selected as Researcher of the Year

by Sharon Willis

Navy Cmdr. John Maye, Ph.D. was recognized as the recipient of the American Association of Nurse Anesthetists “Researcher of the Year Award” for 2009. The award was presented to Maye during the opening ceremonies of the AANA annual meeting in San Diego on August 9 in front of more than 3,000 attendees.

Maye, an assistant professor in USU’s Graduate School of Nursing, or GSN, serves as Director of Research for the Nurse Anesthesia program.

He received the award for his efforts to advance the science of anesthesia through education and research, according to AANA President Jackie Rowles, and was cited for “his love and excitement for his work.”

The Researcher of the Year Award is presented by the AANA Foundation to an individual who has made a significant contribution to the practice of anesthesia through clinical research.

This Award recognizes the commitment of individuals to the profession of nurse anesthesia and to the advancement of research that furthers the art of anesthesiology and results in completion of high quality patient care through research studies.

“Dr. Maye is a strong clinical researcher focusing on pain as well as an outstanding mentor for students — many of the student awards won at the AANA would be his mentees,” said Ada Sue Hinshaw, RN, PhD, FAAN, and Dean and Professor of the GSN. “He has just recently been informed of a new grant award from the Tri-Service Nursing Research Program.”

In addition to Maye, Maj. Judith Wiley, an Army reserve CRNA and assistant program director from Rush University’s

nurse anesthesia program who was assigned to USU in the GSN Nurse Anesthesia Program, was presented with the AANA’s “Clinical Instructor of the Year Award.”

She acknowledged and thanked her USU colleagues, along with her Rush University co-workers, during her acceptance of the award and remarked that she was “fortunate to work with such dedicated, hardworking and compassionate individuals.”

The GSN Associate Dean for Academic Affairs, Army Col. Bruce Schoneboom, Ph.D., was also recognized during the opening ceremonies as a “Friend for Life” by the AANA for his dedication to and support of the organization.

The AANA represents more than 39,000 nurse anesthetists nationwide.



photo by Sharon Willis

Cmdr. John Maye is presented the AANA Foundation “Researcher of the Year” award by AANA President Jackie Rowles and AANA Foundation board trustee Kenneth C. Plitt, CRNA, MBA.



Tunisian Visit

Dr. Norman Rich, MD, FACS, Chief and Professor of Surgery at USU (left) greets Tunisian navy Senior Col. Jamel Manaa alongside David Welling, MD, FACS USU Associate Professor of Surgery.

photo by Tom Balfour

USU Students and Faculty Earn Top Honors for Anesthesia Nursing Research

by Sharon Willis

Competing against their civilian counterparts from all over the United States, nurse anesthesia students from USU's Graduate School of Nursing took several top honors during the 76th annual meeting of the American Association of Nurse Anesthetists on August 9.

Army students Maj. Laura Gallaway, Maj. Robert Morris, Maj. Joseph Romeo, Capt. Corey Jones, and Capt. Gregory Phillips, along with GSN faculty members Navy Cmdr. John Maye, Army Lt. Col. Danette Cruthirds, and Navy Capt. Mark Larsen, were selected for their poster "Quantification of Regenerative Skeletal Muscle Components in a Malignant Hypothermia Susceptible Porcine Model: a Possible Link to Prolonged Muscle Weakness."

In addition, researchers from the former Navy Nurse Corps Anesthesia Program, which recently merged into USU's program, were chosen for their work, "Patient Controlled Epidural Anesthesia Versus Patient Controlled Anesthesia, Plus Continuous Lumbar Epidural Anesthesia in Laboring Women."

The presenters included Navy Lt. Shane Lawson, Lt. Cmdr. Allecia Webster, Cmdr. Gregory Nezat, and retired Capt. Joseph Pellegrini.

Both groups were among only eight out of 40 submissions for the AANA Foundation's "State of the Science" competition selected for presentation. Five of the eight presentations chosen were from military programs, with USU's two groups among the five.

The USU CRNA students also took first place in two out of three categories – clinical, scientific and leadership – for the poster presentations. Air Force Capts. Amanda Siango, Clinton Hartman, Danny Sandefur, James Spencer Jr., and Air Force Lt. Col. Christopher Dyer, Larsen and

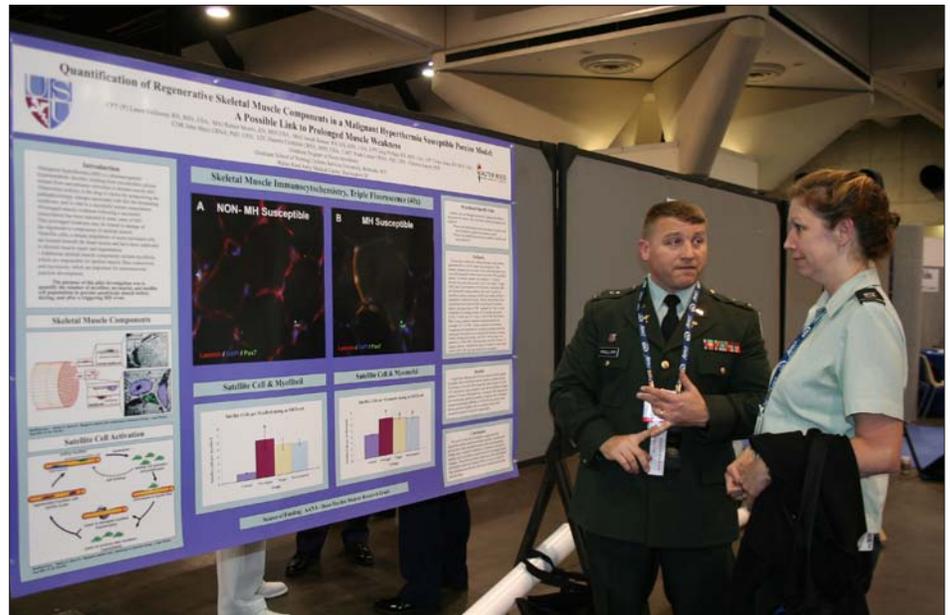


photo by Sharon Willis

Maj. Gregory Phillips explains the research poster he and several of his USU CRNA program classmates presented at the AANA annual meeting in San Diego.

Cruthirds won top honors in the Scientific category for their poster, "Effect of Immobilization Stress and Hormonal Treatment on Nociception."

The second poster, "An Analysis of Selection Criteria for Uniformed Services University of the Health Sciences Nurse Anesthesia Program," took first place in the Leadership category and was authored by Public Health Service Lt. Cmdrs. Shane Parks and Kristal Dye, and USU GSN faculty member Air Force Lt. Col. Kevin Bohan.

Gallaway, Morris, Romeo, Jones and Phillips received additional honors as the recipients of one of only five AANA "Program Administrator Outstanding Student Research Awards" for their presented work. Col. Bruce Schoneboom, GSN associate dean for Academic Affairs, and retired-Air Force Lt. Col. Adrienne Hartgerink, director for USU's CRNA program, made the presentations on behalf of the AANA during the conference's Army breakout session.

"Faculty and students from GSN have swept a number of awards in clinical scholarship at the AANA,"

said Ada Sue Hinshaw, RN, PhD, FAAN, and Dean and Professor of the GSN. "The faculty's strong focus on quality clinical research is certainly evident in the very successful track record they have made at the conference. It was fun to brag on GSN faculty and students at the recent USU Board of Regents meeting."

There's still time...

To register for USU Night with the Baltimore Orioles
Saturday, 5 September vs Texas Rangers
5:30 PM start.

The Office of External Affairs and the USU Alumni Bookstore invite you to celebrate with us.



Enjoy picnic food and beverages in the Bullpen Picnic Area, followed by the game. Tickets are available through the USU Alumni Bookstore at the discounted price of \$40 per person.

Questions can be directed to Ken Frager at 295-3981 or kenneth.frager.ctr@usuhs.mil.

Afghan Visit...



photo by HM2 Michael Oliver

John Frankenburg tells the story of F. Edward Hébert and the history of USU to Afghan Maj. Gen. Ahmad Zia Yaftali (left) and Afghan Brig. Gen. Qandahar Shinwari (center) during their visit to the USU campus. General Yaftali is the Surgeon General of the Afghan National Army and General Shinwari is the Surgeon General of the Afghan National Police. The Afghan generals also toured the University of Nebraska-Omaha's Afghan Studies Center as well as the Veterans Affairs Medical Center in Omaha. "The discussions in Washington were really an extension of our talks in Nebraska," said Army Col. Scott Gronewold, operations officer for the Nebraska Guard, adding that officials there spoke with the Afghans about ways to help Nebraska medical instructors develop the curriculum to be used in Afghanistan. "We also discussed ways that the USU can help train Nebraska nurses to be effective trainers and mentors for Afghan nursing students." (Caption elements courtesy of Army Maj. Kevin Hynes, Nebraska National Guard public affairs)

2nd Annual USU Campus Beautification Project



Pictured: Army Sgt. Rachael Thompson and Navy IT3 Robert Grounds (Left), USU President Dr. Charles L. Rice (Above Left), and Command Master Chief Clinton Garrett (Above Right) all police the grounds in the beautification efforts. On Friday, July 31, 2009, the Brigade and the Office of the Assistant Vice President for Administration hosted a Campus Beautification Project, welcoming volunteer support from faculty, staff and students whose schedule permitted them to participate. For those who work, train, or serve here, we can maintain our campus through use of trash containers, proper disposal of cigarette butts, and by picking up trash seen as we walk around the campus/facility.

photos by HM2 Michael Oliver

Life Imitates Art for Visiting High School Senior

by Christine Creenan

Like many teenagers, Artemisa Zuazo draws inspiration from the stars on the silver screen. It's not their moments in the limelight that grab her attention, however, but their time spent on the frontlines. Because the characters Zuazo admires most are the unsung heroes of war-time medicine.

She received a candid glimpse into the lives of military medics after a chance viewing of the documentary film, "Fighting for Life." The movie chronicles the challenges of practicing medicine on the battlefield as well as the rigorous education and training service members receive on their journey toward becoming uniformed physicians.

It was this behind the scenes look at USU that changed Zuazo's focus. She still wanted to be a doctor, but her new goal was to graduate from the military's medical school.

The aspiring trauma surgeon believes the University's military-focused curriculum will better serve her in extreme environments, such as warzones.

"I want to deploy and to be able to take care of Soldiers while their injuries are still fresh," Zuazo explained. "My father was in the Army and I would be absolutely devastated if anything ever happened to him. I don't want anyone else to suffer either."

It will be several years before the California-native can begin healing the wounded. In fact, Zuazo will begin her senior year of high school in September. Still, she is not letting age stand in the way of her dreams. Zuazo recently visited the campus and enjoyed a week of hands-on medical activities.

"After I watched 'Fighting for Life,' I absolutely fell in love with the school. I started to research it on the internet and learned there was an S2M2 program. I said, 'this is just for me.' I signed up and now I'm here," Zuazo said.

The S2M2 program, or Science, Service, Medicine and

Mentoring, is open to high school students across the nation interested in pursuing careers in science and medicine. Zuazo and other aspiring medics shadowed a surgeon, simulated suturing and developed a health care presentation at a University-sponsored fair.

"The S2M2 program is definitely one of the best things I've ever done. It reinforced everything I thought about military medicine," she said. "Now I know for sure this is what I want to do, and this is where I want to be."

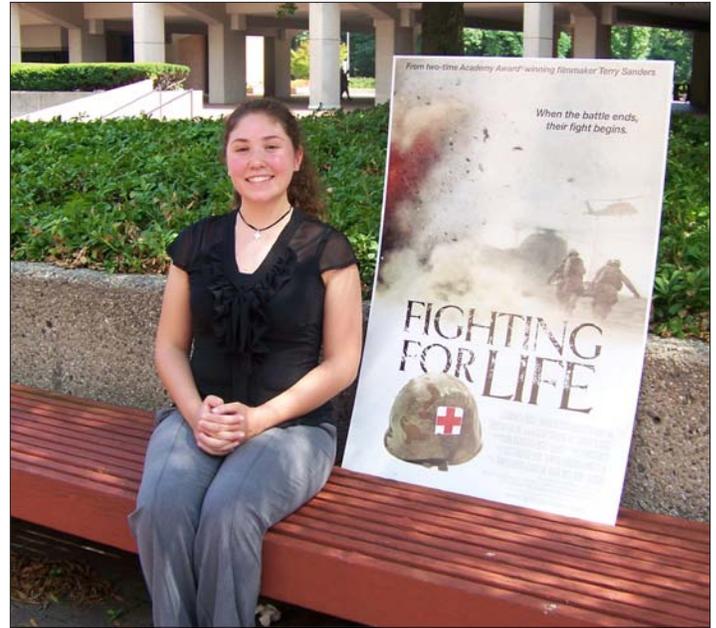


photo by Christine Creenan

"USU is amazing, and there's nothing else out there like it," said Zuazo, pictured above. "This school specializes in exactly what I want to do."



photo by MCI Chad Hallford

USUCHD Sails Their SHIP

The USU Center for Health Disparities (CHD) completed the 2009 Summer High School Internship Program, or SHIP, with research presentations, Aug. 5.

Four Washington, D.C. metro high school students were selected for SHIP based upon an online application process, including references and credentials, and more importantly belonging to a group that is racially/ethnically underrepresented in medicine, or coming from an economically or educationally disadvantaged background.

Each individual's presentation, increases awareness of disease and conditions that largely affect minority and disadvantaged communities as USU faculty mentored and fostered advanced research from the students.

The USUCHD also offers undergraduate and graduate level research internships each summer based and chosen with similar criteria. Additional information may be found at <http://www.usuhs.mil/chd/training.html>.

A 'Comfort'able Visit...



photos by Cmdr. Glen Diehl

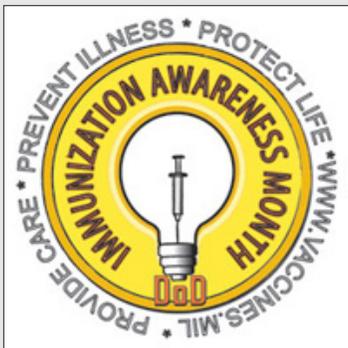
Dr. Charles L. Rice visited Military Sealift Command hospital ship USNS Comfort(T-AH 20) (Upper left) and her Nicaraguan ports-of-call (Upper right) offering his support to USU alumni, the ship and local efforts.

Comfort completed Continuing Promise, a four-month humanitarian and civic assistance mission to Latin America and the Caribbean July 31 when First Lady Michelle Obama welcomed the crew home at Naval Station Norfolk. Comfort's services included medical, dental, veterinarian, educational and civic action programs both ashore and afloat.

Continuing Promise was a collaborative effort between the U.S. military forces, nongovernmental agencies and host nations. established partnerships and demonstrated goodwill showing America's lasting commitment to countries in the Caribbean and Latin America.

Comfort treated 100,049 patients, conducted 1,657 surgeries and treated 13,238 animals. The crew completed projects ranging from minor renovations and building new schools to community relations projects and public relation campaigns.

Immunization Health and the DoD Family



August 2009 marks the third annual Department of Defense (DoD) participation in the Centers for Disease Control and Prevention (CDC) National Immunization Awareness

Month (NIAM) campaign. The goal of NIAM is to increase awareness about immunizations that are recommended for the entire lifespan of an individual. Within the DoD we often focus on the immunization needs of our deployed Service members and the immunizations required for children to attend school; but no matter the age or occupation, immunization health should be maintained throughout one's lifetime. In the past, DoD has emphasized different parts of immunization healthcare. This year's focus is on adult immunizations.

Toastmasters

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USU Briefs

Helpdesk Closure: The UIS helpdesk is closed for training on Thursdays from 10 to 11 a.m. During this time, you can leave a voicemail message at 295-9800, utilize the HEAT Self Service (<http://www.usuhs.mil/uis/forms/trouble.html>), or email help@usuhs.mil. If an emergency should arise, please call 295-9870.

Personal Exercise/Fitness Areas: Physical Fitness training should be conducted in designated areas. The only authorized space for PT within the university is room G060. All other spaces within the university are not authorized for exercise or fitness, with the exception of the Student Community Lounge area during specified PFT testing dates/times. Indoor PT is also authorized on base at the Comfort Zone Complex, or CZC, in building 23. The CZC hours of operation are Monday – Friday from 5 a.m. to 8 p.m. and on weekends and holidays from are 9 a.m. to 6 p.m.

PFT/PFA/APFT Fall 2009: The Fall 2009 Physical Fitness Test for all services is scheduled for Oct. 13-15 and 20-22, 2009 at 0700 and 1200. Plan accordingly as all physical fitness testing, height, weight, and body fat measurements will be conducted at USU. No exceptions. If there are any questions please contact your service specific fitness coordinators - Air Force contact Tech. Sgt. Troyann Ernle at 295-3281; Navy contact IT3 Robert Grounds at 295-9800 or HM1 Joe Monsivais at 295-1479; and Army contact Staff Sgt. David Rogers at 295-3720.

Proper Use of Computer Resources: Security incidents continue to be a drain to limited USU Information Assurance manpower. The following highlight current DoD policy and best practices: Personnel must not install self-coded or non-licensed software on network resources; add, remove, configure, or attempt to modify USU computer operating systems or programs; move audio/visual or network cables, computers or attempt to connect personal computers to the network including MDL and lecture hall spaces; connect personal devices except for those previously authorized by UIS; download pornographic material and store or display offensive material, such as racist literature, sexually harassing or obscene language or material; store or process classified information on any USU system; permit unauthorized individuals access to a government-owned or government-operated system or program; access online gambling, games and social engineering sites.

Military Awards Nominations: The next military awards panel will convene August 25. Nomination packages will be due through the chain of command no later than August 18. Any award with higher precedence than the Defense Meritorious Service Medal must be submitted 150 days prior to presentation. Please provide a signed copy as well as an electronic version to Air Force Tech. Sgt. Louella Campbell at (301) 295-1515 or lcampbell@usuhs.mil or HM2 Sylvia McBee at (301) 295-3423 or Sylvia.mcbee@usuhs.mil.



photo by Ken Frager

Caption contest

The winning caption: "Please, God, let this field exercise be over soon!" submitted by Navy Ens. Jeffrey P. Fennelly.

Congrats to the runner-up, Barbara Pedevilliano, NCC Anesthesiology Residency Coordinator, Supervisory Educational Specialist and to third-place Navy Cmdr., Chaplain Bruce Mentzer.

...and thanks to all who submitted.

Name the Newsletter...

Thanks to all who have submitted suggestions over the last few weeks to rename the USU Newsletter.

We have received dozens of responses and now need to consider all of the suggestions. Watch for our decision in early September. Thanks for your participation and for your continued support and readership.

The USU Newsletter Staff



UNIFORMED SERVICES UNIVERSITY *of the Health Sciences*

