



# 2016 ANNUAL REPORT

FY 2016: September 1, 2015-August 31, 2016



The **National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA)** promotes patient safety through credentialing programs that support lifelong learning. The rigorous and demanding initial education and training, followed by the ongoing continued certification that is required, places nurse anesthetists at the forefront of a growing movement to ensure continuing competency in health care practitioners.

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*Published November 2016*



## ABOUT THE NBCRNA

The National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA) is a not-for-profit organization structured under the laws of the state of Illinois. NBCRNA is focused on excellence in credentialing, and is responsible for the credentialing functions for nurse anesthetists.

NBCRNA credentialing provides assurances to the public that CRNAs have met objective, predetermined qualifications for providing nurse anesthesia services. While state licensure provides the legal credential for the practice of professional nursing, private voluntary certification indicates compliance with the professional standards for practice in this clinical nursing specialty.

*Nurse anesthetists can take justifiable pride in the history and success of their profession.*

The primary goal of the NBCRNA is to protect the well-being of the public by seeking to ensure that nurse anesthetists have the necessary knowledge and skills to practice safely and effectively. We accomplish our mission through the development and implementation of credentialing programs that support lifelong learning among nurse anesthetists. In so doing, we also protect the value of the CRNA credential.

### Vision

The vision of the NBCRNA is to be recognized as the leader in advanced practice nurse credentialing.

### Mission

The mission of the NBCRNA is to promote patient safety through credentialing programs that support lifelong learning.

### Responsibility

The NBCRNA is responsible for ensuring that the credentialing standards of nurse anesthetists meet nursing specialty accreditation standards and support competency among nurse anesthesia providers.

# Accreditation

## NCCA Accreditation



The primary certification and recertification programs of the NBCRNA are accredited through April 2017 by the National Commission for Certifying Agencies (NCCA), a private not-for-profit organization. The NCCA is the accrediting branch of the Institute for Credentialing Excellence (ICE), which is the national standard-setting organization for credentialing groups, including certification boards, licensing boards, and associations. The NBCRNA received its initial accreditation by the NCCA in June 1984 and our programs have been continuously accredited.

## ABSNC Accreditation



The primary certification and recertification programs of the NBCRNA are accredited through July 2017 by the Accreditation Board for Specialty Nursing Certification (ABSNC) of the American Board of Nursing Specialties (ABNS). The ABSNC is the national peer review program for specialty nursing credentialing organizations. The ABSNC serves as the national umbrella organization for nursing specialty certification boards authorized and recognized to certify nurse specialists in the United States. When the NBCRNA received its initial accreditation from the ABSNC in August 1992, it was one of the first national certification bodies to be recognized and approved by the ABSNC.

### Enhancing the Value of the Credential through Nationally Accepted Standards

ABSNC accreditation means that the NBCRNA credentialing programs meet the standards of the *only accreditation program for nursing specialties*. It promotes the highest quality of specialty nursing practice through the establishment of standards of professional specialty nursing certification.

NCCA accreditation means that the NBCRNA credentialing programs meet the *highest national voluntary* standards for private certification. NCCA accreditation validates the credential against the *accepted standards across all credentialed professions*.

Together, NCCA and ABSNC accreditation provides a strong and widely accepted standard for the nurse anesthetist credential that has been institutionalized in many position descriptions as a practice requirement or as the standard for demonstrating equivalency. It has been recognized in state nurse practice acts and state rules and regulations.

# Letter from the President



**Letter from Steve Wooden, DNP, CRNA, NSPM-C**  
*2015-2016 NBCRNA President*

The theme of NBCRNA's 2015-2016 fiscal year was preparing for the future. After several years of development, stakeholder input, coordination with the American Association of Nurse Anesthetists (AANA), and program modifications, the fiscal year culminated in the successful launch of the Continued Professional Certification (CPC) Program on August 1, 2016. At its launch, more than 22,000 CRNAs had already successfully transitioned into the new program.

Our Board worked diligently with stakeholders, the AANA, CE vendors, and others over the CPC Program development period to customize the program and best position our profession for the future. The CPC Program epitomizes the NBCRNA's continuing mission to ensure our certification and recertification practices meet current and future expectations of our stakeholders, prepare nurse anesthetists to pursue expanding opportunities in the workforce, and promote the safety of the patients we serve. Other developments this fiscal year included launching the newly reconfigured Self-Evaluation Exam that now adopts the outline of the National Certification Exam (NCE), and the election of a second certificant-elected director on the NBCRNA Board.

We continued to strengthen our relationship with the AANA this year through regular communications, as well as representation at each other's board meetings and committees. We remain committed to pursuing collaborative relationships with other partner organizations to understand and leverage each organization's distinct and parallel contributions with respect to certification. Developing and reinforcing these key relationships exemplifies our ongoing commitment to strengthening the nurse anesthesia credential.

I want to thank NBCRNA's outstanding Board for their diligence and commitment, and recognize the great contributions made by CEO Dr. Karen Plaus, NBCRNA's exceptional staff, and the many CRNA volunteers who have so generously given of their time to the betterment of the profession and the preparation for a strong future.

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## Contributions

In FY 2016, the NBCRNA was pleased to have made to the following contributions in support of the nurse anesthesia profession:

❖	AANA Annual Congress Student Luncheon Sponsorship	\$ 42,000
❖	Diversity in Nurse Anesthesia Mentorship Program	\$ 25,000
❖	Support of Military personnel to attend Assembly of School Faculty	\$ 13,269
❖	American Board of Nursing Specialties	\$ 10,000
❖	Institute for Credentialing Excellence (ICE)	\$ 10,000
❖	Council on Accreditation - Program Administrators Workshop	\$ 2,584



# NBCRNA Board of Directors

CRNA directors are highlighted in red.



*President*

**Steve Wooden, DNP, CRNA, NSPM-C**

Steve is a managing partner of Boone County Anesthesia Services, LLC, a private practice anesthesia group in East Central Nebraska. He has 30 years of experience in the nurse anesthesia profession.



*Vice President*

**Robert Hawkins, PhD, DNP, MS, MBA, CRNA**

Robert is a nurse anesthesia educator and has served in various roles including clinical instructor, assistant program director and program director. He is a graduate of the Medical University of South Carolina (BSN), Webster University (MBA), Georgetown University (MS), and Rush University (DNP and PhD).



*Secretary – Treasurer*

**Mary Golinski, PhD, CRNA**

Mary is an Assistant Professor, tenure track, in the School of Nursing at Oakland University and the Assistant Program Director for the Oakland University-Beaumont Graduate Program of Nurse Anesthesia, in Rochester, Michigan. Mary actively practices anesthesia at two level 1 trauma hospitals in the Detroit Metropolitan area.



*Director*

**Pamela Chambers, MSN, EJD, CRNA**

Pamela graduated from the U.S. Army Graduate program in anesthesia nursing in 2000 with an MSN degree. Pamela has practiced in five of the seven AANA regions during her career, and lectures on topics related to law, nursing jurisprudence, and provides expert witness consultation and review on nurse anesthesia standard of care.



*Director*

**David Coffman, DO, PhD**

David is the surgeon member of the NBCRNA board, and is Chief in Surgery at the Northern Maine Medical Center. He obtained his DO from Des Moines University School of Medicine, did his fellowship in Trauma/Surgical Critical Care at Yale University, and obtained his PhD in Clinical Psychology from Capella University.



*Director*

**Susan Rawson, MA, LNC, CRNA**

Sue graduated from a diploma nursing program. After ten years working in medical-surgical intensive care and emergency nursing, she went on to become a CRNA. She also holds a Bachelor of Applied Science, a Master's degree in Medical Management and Human Resources, is a certificate as a Legal Nurse Consultant, and is currently enrolled in a DNAP program.



*Director*

**Edward J. Susank**

Edward is the public member of the NBCRNA Board. Ed spent 25 years as a Principal with William M. Mercer, Inc., a benefits and human resource consulting firm, and is a Public Member on the American Board of Imaging Informatics and the National Center for Interprofessional Practice and Education at the University of Minnesota.



*Director*

**Charles Vacchiano, PhD, CRNA, FAAN**

Chuck has 28 years of experience in the nurse anesthesia profession. He is currently a member of the Duke University School of Nursing, Nurse Anesthesia Program faculty. Previously, he served 26 years in the U.S. Navy, and has worked as a practicing nurse anesthetist, educator, and researcher.



*Director*

**Edward Waters, DNP, CRNA**

Ed practices clinical anesthesia at the Kaiser Foundation Hospital in Woodland Hills, CA and has 16 years of experience in the nurse anesthesia profession. He is also an academic and clinical educator at the Kaiser Permanente School of Anesthesia in Pasadena.



*Director*

**Patricia Wirth, DNP, CRNA**

Patty has 20 years of experience in the nurse anesthesia profession and is currently working as a practitioner at Sentara Princess Anne Hospital in Virginia Beach, VA. Previously, she served for 23 years in the U.S. Navy practicing as a nurse anesthetist, educator and administrator.



*Secretary – Treasurer*

**Mary Wojnakowski, PhD, CRNA**

Mary is an actively practicing anesthesia provider, educator, and researcher. She provides anesthesia services at Maricopa Medical Center, a Level 1 trauma hospital and regional burn center, and Mayo Clinic Hospital. Mary is also on faculty at Midwestern University Arizona College of Osteopathic Medicine in Glendale, Arizona.



*Director*

**Mark Zahniser, MD**

Mark serves as the anesthesiologist representative on the NBCRNA board. He currently works in the Department of Cardiac Anesthesia at Cleveland Clinic and is an Assistant Professor of Anesthesiology at the Cleveland Clinic Lerner College of Medicine.



*Emerging Leader Fellow*

**Michael J. Anderson, DNP, CRNA, ARNP**

Mike earned a BA in Nursing at Luther College in 1999, and an MSN from the Cleveland Clinic/Case Western School of Nurse Anesthesia in 2009. He joined the anesthesia department at the University of Iowa Hospitals and Clinics in March 2010, and has been a staff CRNA and an instructor at the University of Iowa, College of Nursing.



*Emerging Leader Fellow*

**Maureen P. McCartney, DNP, CRNA**

Maureen currently works as a certified registered nurse anesthetist at the Jersey Shore University Medical Center in Neptune New Jersey. Maureen McCartney earned her BS in Nursing from Georgetown University in 2003, her MNA in 2010 from Rutgers University, and her DNP in 2014 from Rutgers University.

# Election

The NBCRNA Board of Directors is composed of: **nurse anesthetists** who hold the NBCRNA-issued CRNA credential and who are actively engaged in clinical practice or in research, teaching, or administration at a nurse anesthesia educational program; a **board-certified surgeon** and a **board-certified anesthesiologist**, both of whom have a current working relationship with nurse anesthetists; and a **representative of the public at large**.



*In July 2016, NBCRNA President Steve Wooden greeted incoming (FY 2017) NBCRNA Board members at the New Board Orientation. Pictured here from left: Cormac O'Sullivan; Emerging Leader Fellow Christopher Gill; Steve Wooden; Kevin Driscoll; and certificant-elected Director Terry Wicks.*

## Certificant-Elected Director

During fiscal year 2016, the NBCRNA held the second open election for a certificant-elected Director. The process began in October 2015, when candidates submitted their applications to the NBCRNA. Based on the input of the NBCRNA and the AANA Boards of Directors, candidate interviews, and a review of the applications, three candidates were selected for the final ballot. This ballot was presented in February 2016 to currently certified and recertified nurse anesthetists, with 2,801 (5.81%) of the 48,210 eligible certified and recertified nurse anesthetists voting. **Terry Wicks**, CRNA, MHS, was elected as a Director to the NBCRNA Board, with his term beginning September 2016.

## New Board Members

In addition to the certificant-elected Director, the Board welcomed other positions:

- ❖ **Kevin Driscoll** CRNA, MSN was elected as a new board member.
- ❖ **Cormac O'Sullivan** PhD, CRNA, ARNP were elected as new board member.
- ❖ **Christopher Gill**, CRNA, MS was elected as the 2016-2017 Emerging Leader Fellow.

**95%** of those responding indicated that *they were satisfied with the election process.*

**99%** of those responding indicated that *the election process was easy.*



# A Message from the CEO



**Letter from Karen Plaus, PhD, CRNA, FAAN, CAE**  
*NBCRNA Chief Executive Officer*

In fiscal year 2016, the NBCRNA continued its commitment to strengthening the nurse anesthesia credential, interacted with thousands of CRNAs at state meetings and other conferences, advanced research in the field of certification, and expanded outreach efforts with parallel organizations to find synergies. We've made significant achievements this year preparing for a strong future through advancing the credential to address issues facing the profession including changing legislation, scope of practice, removal of supervision requirements, infringement by other professions, and a shifting reimbursement landscape.

To that end, the 2015-2016 Board of Directors, under the steadfast leadership of Dr. Steve Wooden, successfully guided the NBCRNA through the launch of the Continued Professional Certification (CPC) Program on August 1, 2016, and numerous other important, developing priorities and initiatives. During FY2016, the NBCRNA held the second open election for a certificant-elected Director (CED), as well as elections for open director positions on the board. The board and more than 80 members of various panels and committees have worked tirelessly this year, giving of their time and expertise to help move forward our important credentialing work. This work will help ensure our certification credential reflects changes in the technology, care management and the expectations of the patients our profession serves.

Other accomplishments this year included undertaking a new Professional Practice Analysis for the National Certification Examination (NCE), in which more than 3,500 CRNAs in the workforce participated. The updated content outline will be available for public comment in the Fall of 2016, and results will be presented to the Assembly of School Faculty in February 2017. Additionally, the Self-Evaluation Exam (SEE) was reconfigured to adopt the NCE content outline and will serve as a better predictor of future performance on the NCE. This fiscal year marked the second year of the subspecialty certification for Nonsurgical Pain Management (NSPM-C), a successful launch of a third item-writing course, a call for item writers for the Continued Professional Certification (CPC) examination, and the establishment of an exam tip line in the rare instance that inappropriate behavior in exam administration is observed.

The incredibly productive NBCRNA staff carried out the tremendous task of certifying and recertifying nurse anesthetists, which included administering the National Certification Examination (NCE) more than 3,100 times, and recertifying 22,810 nurse anesthetists (through 5/31/16). These CRNAs were then the first cohort to then enter the CPC Program.

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## NBCRNA and AANA: Working Together

The NBCRNA and the AANA worked together on several initiatives over FY 2016 including Board members and staff from both the AANA and NBCRNA are permanent liaisons to each other's Board of Directors and participate in those Board meetings. AANA and NBCRNA staff coordinate periodic joint communications from the two organizations' presidents, and continue joint work on CE-related areas. The NBCRNA's CPC Chair also acts as a liaison on behalf of the NBCRNA to the AANA CE Committee. The AANA Senior Director of Education and Professional Development and NBCRNA Chief Credentialing Officer are the points of contact for CE- and CPC-related issues.



*NBCRNA welcomed new NBCRNA Board members and guest AANA President-Elect Cheryl Nimmo at the NBCRNA new Board orientation in Chicago. Pictured here from left, Christopher Gil; Cormac O'Sullivan; Cheryl Nimmo; Terry Wicks; and Kevin Driscoll.*

# Advancing the Profession

## NSPM

In 2015, the NBCRNA launched the voluntary subspecialty certification for nurse anesthetists in Nonsurgical Pain Management (NSPM-C) which measures the knowledge, skills, and abilities of NBCRNA-certified registered nurse anesthetists for practice in the field of nonsurgical pain management. From September 2015 through July 31, 2016, eight CRNAs applied to take the NSPM exam.

**CPC PPA**

In September 2015, the NBCRNA Board approved the CPC Examination Professional Practice Analysis (PPA) and revised examination content outline. The full content outline was published on the website under CPC/Recertification, with an executive summary of the PPA process and results. An article on the PPA was accepted for publication in the *Journal of Nursing Regulation (JNR)*. The article describes the survey methodology used to validate the knowledge statements included on the outline, the results of the analysis of survey responses, and it summarizes the recommendations of the PPA Panel and the decisions that the Board made with respect to the content outline and domain percentages. The article was authored by Drs. Tim Muckle, Steve Wooden, and Karen Plaus, and appeared in the October 2016 issue of *JNR*.

## NCE PPA

In April 2016 the National Certification Exam PPA panel began reviewing the NCE content outline. The



goal was to standardize the level of detail of the NCE outline with the other examination outlines and avoid



the implication that only topics specifically mentioned in the outline are found on the exam. A full-scale survey based on the outline went out to more than 13,000 CRNAs who were within five years of their initial certification. Drs. Muckle and Dr. Heiner (PPA Panel Chair) will present the process and results of the PPA study at the 2017 Assembly of School Faculty. A launch date for the updated NCE outline is targeted for January 2018.

## SEE Reconfiguration

NBCRNA prepared to launch the new Self-Evaluation Examination (SEE) on September 1, 2016. Initially launched in 1991, the SEE has been a valuable tool for both students and education providers to gauge progress in the education program, assess knowledge of anesthesia practice, and to prepare students for the National Certification Examination (NCE) experience.

Based on feedback from our program administrators, the revisions to the SEE involved adoption of the National Certification Examination (NCE) content outline and four knowledge domains for question development and score reporting, and increasing the number of questions to provide more predictive scores on the four NCE domains.

### **New Item-Writing Course, Call for Item Writers**

In June 2016, the NBCRNA launched a third, online Item-Writing course. The course, Item-Writing Theory and Practice: Writing Clinical Scenario Item Series, was granted AANA prior approval for Class A CE credit.

In July 2016, a call for item writers drew submissions from more than 100 individuals who were interested in contributing to item-writing committees for CPC and other exams. For the first time, a writing sample of five items and completion of the Foundation item-writing course are required elements of item-writer applications. A panel of CRNAs will evaluate applications using Foundation posttest scores, writing samples, and percentages of practice/educator/administrator roles, among other criteria. Appointed CPC item writers will attend an in-person item writing workshop and planning meeting in November.

### **Diversity in Nurse Anesthesia Mentorship Program**



Institution Tour.

The NBCRNA is a proud sponsor of the Diversity in Nurse Anesthesia Mentorship Program, whose mission is to inform, empower and mentor underserved diverse populations with information to prepare for a successful career in Nurse Anesthesia.

Additionally, the NBCRNA supported the Diversity CRNA Information Session & Airway Simulation Lab Workshop at the University of Pittsburgh and the official Diversity CRNA HBCU/Hispanic Serving



### **Research Studies Ensurue - Health Services Research**

Research activity from the NBCRNA's 2015 donation to the AANA Foundation's Health Services Research included two studies in 2016. The first, a Cost Effectiveness Analysis Study, resulted in the creation of a white paper and manuscript prepared for publication. The second study, Perceptions of CRNAs by Health Care Executives, is expected to launch in late 2016. The NBCRNA is pleased to support this important research as the Foundation increases efforts to fund critical, large-scale HSR studies.

### **Support for Military CRNAs**

The NBCRNA greatly respects our military CRNAs and their service to our country. For the third year in a row, the NBCRNA has offered support to military CRNA educators to attend the Assembly of School Faculty, this year in San Antonio, TX.



# Certification

Certifying new nurse anesthetists speaks to the heart of the NBCRNA mission, to promote patient safety through credentialing programs that support lifelong learning. Each year, candidates in the 115 nurse anesthesia programs throughout the United States sit for the National Certification Examination (NCE) to become certified registered nurse anesthetists (CRNAs).

## NCE

For FY 2016, a total of **3,117** candidates took the National Certification Examination (NCE) with an overall pass rate of 80%. This total includes both first-time and repeat NCE takers. The total number of candidates who took the NCE and were certified during FY 2016 was 2,464. A total of **2,953** Self-Evaluation Examinations (SEE) were administered in FY 2016.

A list of the newly certified CRNAs by state of residence is published monthly on the NBCRNA website. Since the NBCRNA changed the passing standard January 1, 2014, there have been 6,149 first-time examinees, with an overall passing rate of 85.1%. More information on NCE and SEE performance and transcript data for FY 2016 is also available on the NBCRNA website.



## By the Numbers



### Customer Service

**98%** of NCE candidates agreed or strongly agreed that *NBCRNA staff answered their questions.*

**100%** of NCE candidates agreed or strongly agreed that the *NCE application process was easy.*

**99%** of NCE candidates were *satisfied with the NBCRNA.*

### National Certification Exam

**99%** of NCE candidates reported being *satisfied with their testing experience.*



# CPC/Recertification

## Recertification

The NBCRNA recertified **22,810** nurse anesthetists in FY 2016, welcoming this first cohort into the new Continued Professional Certification (CPC) Program. It is the goal of the NBCRNA to make the recertification process as smooth as possible. During the recertification period (March-August 2016), staff answered more than 3,646 recertification-related calls and 2,353 emails, as well as processed more than 2,470 faxed CE documents to assist nurse anesthetists through the process.

**95%\*** of respondents that contacted the NBCRNA indicated they received a **timely response**.

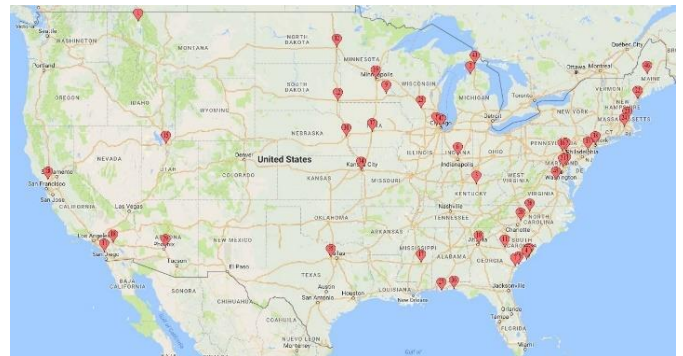
**96%\*** of respondents found the **recertification process easy**.

**97%\*** of respondents that accessed the NBCRNA website said the information was **easy to locate**.

*\*respondents to the application survey*

## CPC Program: Preparing for Launch

The CPC Program officially went into effect on August 1, 2016, with more than 22,000 CRNAs entering into the Program after going through the former recertification process, or becoming newly certified. To further inform CRNAs about the program, the NBCRNA also launched the **CPC Program Discovery Series** as an educational outreach component to provide information and resources about the CPC Program. Through the Discovery Series, the NBCRNA delivered real-time information to CRNAs in FY 2016 through live speakers and webinars at more than 50 CRNA meetings in 37 states. The addition of live webinars allowed for presentations to smaller groups, such as hospital staff.



Additional educational resources were added to the CPC Program Discovery Series in FY 2016 which included the



publishing of a Class B Activities Table, complete with downloadable tracking sheets, a new four-minute Class B animated video to quickly describe the Class B credits, new PowerPoint video presentations on the overall CPC Program and the Class B component, as well as presentations for odd-year and even-year certificants, and those newly certified. Live webinars were held for Program Administrators, CRNAs, and continuing education providers to specifically address their needs with regard to the CPC Program.



## CPC Program Core Modules

Core Modules are one important component of the CPC Program, providing a consistent way for nurse anesthetists to stay abreast of evolving evidence-based knowledge. The first vendor-provided modules were made available in spring of 2016. The modules use a standard set of performance objectives to address the four domains of anesthesia care: airway management technique, applied clinical pharmacology, human physiology and pathophysiology, and anesthesia equipment and technology. Each module will be linked with the content outline of the CPC examination and will include a formal assessment, such as multiple choice questions.



# Committees, Subcommittees and Panels

Volunteers who have served on NBCRNA Committees, Subcommittee, or Panels at some time during FY 2016 are listed below. (Not listed are standing committees which are staffed by members of the Board of Directors.)

## CPC Core Module Recognition Panels

### ***Airway Management Techniques***

Kenneth Wofford, CRNA, PhD, <i>Chair</i>	Bethesda, MD
Brooks Bryant Goettle, CRNA, DNAP	Fairfield, CA
Jennifer Martin, CRNA, DNP	New Orleans, LA
Virginia Muckler, CRNA, DNP, MSN	Durham, NC

### ***Applied Clinical Pharmacology***

John Nagelhout, CRNA, PhD, <i>Chair</i>	Pasadena, CA
Margaret (Peggy) Bush, PhD, MBA, RPh	Chapel Hill, NC
Lisa Maw, CRNA, DNP	Roseville, GA
Timothy Palmer, CRNA, PhD	Lake Orion, MI

### ***Equipment and Technology***

Frank Titch, CRNA, DNP, <i>Chair</i>	Hillsborough, NC
Paul Austin, CRNA, PhD	Boys, MD
John Borza, CRNA, MBA, DNP	Gibsonia, PA
Mary Cushing, CRNA, MS	Westlake, OH
Matthew D'Angelo, CRNA, DNP	Odenton, MD

### ***Human Physiology and Pathophysiology***

John Maye, CRNA, PhD, <i>Chair</i>	Middletown, MD
Amanda Witherspoon, CRNA	Cairo, GA
Joseph Pellegrini, CRNA, PhD	Reisterstown, MD
Julia Walker, PhD	Chapel Hill, NC
Larry Alan Todd, DNP, MSN, CRNA	Lithia, FL

## SEE Committee

Jeremy Heiner, CRNA, Ed.D, MSN, <i>Chair</i>	Pasadena, CA
Heather Bair, CRNA, DNP, MSN	North Liberty, IA
Susan Bessellieu, CRNA, MSNA	Florence, SC
Rachel Davis, CRNA, DNP, MSN, MS	Houston, TX
Katherine Fowler, CRNA, MSN	Jacksonville, FL
Shawn Fryzel, DrAP, CRNA	Flint, MI
Derrick Glymph, CRNA, DNAP, LTC, APRN	Pembroke Pines, FL
Travis W. Johnson, MAJ (Ret), CRNA, MSN	Ridgecrest, CA
Andrea Kristofy, MD	Prospect, KY
Joseph Lipscomb, CRNA, APRN, DNP	Philadelphia, PA
Lisa Miller, CRNA, LTC, MSNA	North Pole, AK
Vicky Moran, DM, MSN, CRNA	Fair Oaks, CA
Keri Ortega, DNAP, CRNA	Naples, FL
Carlos Trombetta, MD	Cleveland, OH

## NCE Committee

Mike Dosch, PhD, CRNA, <i>Chair</i>	Grosse Pointe Park, MI
Nancy Moriber, CRNA, PhD, APRN	Monroe, CT
Sandra Bordi, DNP, CRNA	Monrovia, CA
Courtney Brown, CRNA, PhD, MSN	Clemmons, NC
Katherine Fowler, CRNA, MSN	Jacksonville, FL
Juan Gonzalez, CRNA, PhD	Hialeah, FL
Maria Elena Johnston, CRNA, DNP, MSN	Northville, MI
Andrea Kristofy, MD	Prospect, KY
Regina McKinney, CRNA, MS, RN	Suffolk, VA

Martin McMichael, CRNA, MS  
Judith Mermigas, CRNA, MSN  
Tito Tubog, CRNA, DNAP

## NCE PPA Panel

Jeremy Heiner, Ed.D, CRNA, MSN, *Chair*  
Ola Akigbogun, CRNA, MSA  
Steve Alves, PhD, DNP  
Maggie Blank, CRNA, MS  
Kristin Busing, CRNA, MSN  
Greg Crawford, CRNA, MSN  
Nancy Moriber, PhD, CRNA, APRN  
Lynn Reede, CRNA, DNP  
Dayna Seguin, CRNA, MSN  
Satoya Troncoso, CRNA, MSN  
Michael Trovato, CRNA, MSN  
Amber Van Voorst, CRNA, MS

## CPC Program Evaluation Panel

CPT John Maye, CRNA, PhD  
Shannon Pecka, PhD, CRNA  
James Walker, DNP, CRNA, FAAN  
Terry Wicks, MHS, CRNA  
NC  
Kenneth Wofford, CRNA, PhD

## CPC Example Questions Panel

Mary Anne Krogh, CRNA, PhD, FAAN, *Chair*  
Emily Funk, CRNA, MSN, *Co-Chair*  
John Aker, CRNA  
Scott Beede, CRNA  
Sarah Bellenger, CRNA  
Mike Boytim, Ed.D., CRNA  
Chris Gill, MS, MSN, CRNA  
Eric McNaughton, CRNA  
Johanna Newman, CRNA, DNAP  
Eleanor Rawson, CRNA, DNAP  
Dana Roberson, DNP, MSN, MHS, CRNA  
David Schwytzer, CRNA, APRN, BS  
Dennis Spence, PhD, CRNA  
Jennifer Thompson, CRNA, DNP  
Robyn Ward, MS, CRNA

## CPC Advisory Subcommittee

Robert Hawkins, PhD, DNP, MS, MBA, CRNA  
Craig Atkins, DNP, APRN, CRNA  
Paul Austin, PhD, CRNA  
Christina Cowgill, CRNA  
Laura Hearst, CRNA  
David MacDonald, CRNA  
Adrian Maese, MSNA, CRNA  
Jennifer Quicci, CRNA  
Holly Roger, MS, CRNA  
Nicole Williams, MS, CRNA

Spring, TX  
Wexford, PA  
Arlington, TX

Placentia, CA  
Katy, TX  
Boston, MA  
Nashua, NH  
Chicago, IL  
Folsom, CA  
Monroe, CT  
Des Plaines, IL  
Raleigh, NC  
Center Line, MI  
Virginia Beach, VA  
Racine, WI

Middletown, MD  
Omaha, NE  
Pearlan, TX  
Rutherford College,  
Bethesda, MD

Sioux Falls, SD  
Raliegh, NC  
Coralville, IA  
Chicago, IL  
Nashville, TN  
Pasadena, CA  
Boston, MA  
Fort Kent, ME  
Davie FL  
Pasadena, CA  
Mansfield, TX  
Prospect, KY  
Chula Vista, CA  
Valencia, CA  
Stafford, VA

Midlothian, VA  
Denver, CO  
Boys, MD  
Portland, OR  
Scarborough, ME  
Belmont, MA  
San Antonio, TX  
Northville, MI  
Benton, AR  
Deltona, FL

Promoting patient safety by enhancing provider quality.



NBCRNA  
is recognized as  
the leader in  
advanced practice  
nurse credentialing

**NBCRNA**  
National Board of Certification & Recertification for Nurse Anesthetists  
[www.NBCRNA.com](http://www.NBCRNA.com)