



May 2017
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President's Message May 2017

By: Donna Flynn DNP, RN, ACNS-BC, CCRN



This years' presidents theme is, "It matters" and it really does. I hope that everyone had a wonderful Nurse's Day. Nurses matter. This year we were fortunate to host several events to celebrate our success. On February 23, 2017, the NNJ Chapter hosted a Beacon Recognition and Certified Nurses dinner at Portobello's in Oakland. We had over 30 nurses in attendance and nurses from a number of Beacon Units in northern NJ. Many area hospitals have multiple Beacon Units. This is a testament to your dedication to providing high quality care to critically ill patients and their families.

This year we also hosted a number of Ramapo College nursing students to attend a Board of Directors meeting. Several BSN students from Felician College presented at our annual Options conference. All members are welcome to attend our meetings or volunteer to serve on a committee. By now, you should have received information on voting for the 2017-2018 Board of Directors.

This year's Options in Critical Care Nursing conference was held on April 6-7, 2017 at the Wilshire Grand Hotel located at 350 Pleasant Valley Way in West Orange, New Jersey. We had a number of outstanding speakers including Paula McCauley, a National AACN Board of Director and Charles Kunkle the Chief Engagement Officer of No Time to Care.

Other activities the BOD has planned include community service with Eva's Kitchen, Habitat for Humanity and others. Check out our website for more details regarding meetings and other events at <https://nnjaacn.nursingnetwork.com/> or email us at NNJAACN@gmail.com. Consider joining us at one of these events or a future board meeting. Till then, remember, it matters!

I wish each of you a happy and healthy spring/summer.

Regards,

Donna

PHOTOS FROM EVENTS

February 23, 2017 - Certified Nurses and Beacon Award Recognition dinner held at Portobello's, Oakland, NJ.

Additional pictures at the website:



**MARDI
GRAS**



**April 6-7, 2017 - 29th Annual Options in Critical Care Nurses – Wilshire Grand Hotel,
West Orange, NJ**



Keynote speaker CHARLES KUNKLE with NNJ-AACN CHAPTER BOARD OF DIRECTORS





Academic Nursing Research presentations of undergraduate and graduate nursing students



UPCOMING EVENTS

May 22-25, 2017 - *NTI in Houston Texas*

June 8, 2017 - Member's only/Turnover Dinner at La Strada Restaurant

1105 Route 10 East, Randolph, NJ

Meet your newly elected Board of Directors

Our speaker will be Diane Borkowski BS, RN

Topic: *Sepsis and the Role of Biomarkers*

Admission will be a non-perishable food donation to be donated to a local food pantry

RSVP to khoffrn@gmail.com by June 1, 2017

CHECK IT OUT!!!

AACN has a new website! It is much more interactive, easy to navigate and access your transcript, certification and submissions on www.aacn.org. Be sure to look through the site and see all of the wonderful advantages membership can do for you and your patients.

PACEMAKER UPDATE

Pacemakers- Where are we now?



By: Katerina Moklak MSN, RN, CCRN, CHFN

The first clinical implantation of an artificial cardiac pacemaker was documented in 1958 in Sweden. At age 43, Arne Larsson, became the first patient to receive a fully implantable device and proceeded to have 25 additional pacemakers until he died at age 86. Pacemakers have certainly made an impact in the health and well-being of innumerable patients since that first device, which lasted only 3 hours. Generator size and battery life has tremendously improved over the years. Pacemakers generally weigh less than 0.8 ounces with a battery life of approximately 10 years (depending on how often the patient requires pacing). The smallest pacemaker currently in use, made by Medtronic and approved by the FDA in 2014, is about the size of a nickel, sits inside the right ventricle and provides single-chamber, leadless ventricular pacing.



Figure 1: Images demonstrating the miniature size of the Micra™ Transcatheter Pacing System.

<http://www.eplabdigest.com/articles/Miniature-Device-Technologies-Creation-and-Design-Micra%E2%84%A2-Transcatheter-Pacing-System> accessed 5-9-17

While older versions of pacemakers had limited functionality, newer pacemakers have the ability to pace, capture and sense the patient's intrinsic heart rhythm and even anticipate the need to give more when the patient's metabolic needs require more. This is called rate modulation and increases pacing when the patient becomes more active and requires a faster heart rate. Bi-ventricular pacing has also improved the ability of Class III/ IV New York Heart Association Heart Failure Classification patients to enjoy improved ventricular synchrony and palliation of shortness of breath by pacing both ventricles simultaneously.



<http://floatnurse-mike.blogspot.com/2015/02/various-biventricular-paced-rhythms.html> accessed 5-9-17

Another improvement on the model is the feature of anti-tachycardia pacing. When activated, this mode will sense fast heart rates and attempt to overdrive pace the heart back into a normal rhythm. Since every ICD also has pacemaker capability, overdrive pacing can prevent the patient from requiring defibrillation for ventricular tachycardia by overdrive pacing the heart back down to a slower, more normal rhythm.



Telemetry strip demonstrating anti-tachycardia pacing. Pacing is delivered at a rate that is slightly faster than the underlying ventricular tachycardia, ultimately terminating the arrhythmia. <https://clinicalgate.com/cardiac-pacing/> Accessed 5-9-17

Several companies, including Boston-Scientific, Abbott/ St Jude Medical, Dextronix, Guidant, and Medtronic are in the U. S. pacemaker business. IBIS World (2017) has estimated the financial revenue from just the top three US pacemaker manufacturing companies to be approximately \$2 billion/year. Worldwide demand for pacemakers continues to escalate and pacemaker technology continues to advance. While all this technology certainly seems to be “friend” to our patients, there are “foe” issues which should always be considered prior to pacer implantation. Join us for the next pacemaker update to learn more about these.

SPOTLIGHT MEMBERS

Congratulations Certified Nurses

RWJBarnabas Health



Martina Marga RN, CCRN, Charese Koski BSN, RN, CCRN, Milanie Palao BSN, RN, CCRN, ICU clinical nurses, for achieving Critical Care Certification (CCRN) from the American Association of Critical Care Nurses



Terrence Blanco RN, PCCN



Karina Agajanov RN, PCCN

WHY SHOULD YOU GET CERTIFIED?

Certification is a badge that validates your expert knowledge and skills as a provider of patient care.

Providing an individual with a sense of pride and professional accomplishment

Demonstrating an individual's commitment to a profession and to lifelong learning

Visit aacn.org to get certified today!

If you are a member and have new news that you would like to share with the rest of the chapter, whether a new job, new degree or certification, great news can be anything from new CCRN/PCCN/CMC/CSC, other certifications, just graduating from school, and any quality improvement project or research project you have completed. Send your good news to Donna at dlflynn505@yahoo.com or Grace at grace_sta_maria@hotmail.com. Interested in becoming an active member of the NNJAACN BOD or involved in a committee. We want to hear from you!!!

MEMBERSHIP CORNER

NNJ-AACN CHAPTER BOARD OF DIRECTORS (2016-2017)

President: Donna Flynn DNP, RN, ACNS-BC, CCRN

President-Elect: Katerina Moklak MSN, RN, CCRN, CHFN

Treasurer: Ann Wanderling MSN, RN, CCRN

Membership Chair: Kathleen Ward MSN, RN, CCRN

Recording Secretary: Sonya Williams MSN, MBA/HCM, RN, CCRN

Board Members: Kathi Hoffman MSN, RN, PCCN
Gladys Reyes MSN, RN, ACNP, CCRN-CSC-CMC
Alcina Fonseca MS, MBA, RN, CCRN, NE-BC
Patricia McQuade Ed.D./CI, RN, MSN, CCRN
Grace Sta. Maria MSN, RN, CCRN, CNRN
Matthew Mascari RN, MBA, PCCN, CCRN-CMC
Roxana Gonzalez MSN, RN, CCRN



Benefits of Joining:

- Networking with fellow nurses of Northern New Jersey and other AACN nurses
- Unlimited free CE
- Included subscriptions to Critical Care Nurse, American Journal of Critical Care, AACN Bold Voices and weekly AACN e-newsletter
- Special member rates and discounts for AACN products and services
- Come check us out at our new website <http://www.nnjaacn.nursingnetwork.com>

CHAPTER MEMBERSHIP FEE

- **Chapter Membership dues are \$30.00 /year**
- A national AACN membership is a requirement for chapter membership.

MISSION Patients and their families rely on nurses at the most nurses rely on AACN for expert knowledge and the influence to fulfill their promise to patients and their families. AACN drives excellence because nothing less is acceptable.

VISION AACN is dedicated to creating a healthcare system driven by the needs of patients and families where acute and critical care nurses make their optimal contribution.

VALUES As AACN works to promote its mission and vision, it is guided by values that are rooted in, and arise from, the Association's history, traditions and culture. AACN, its members, volunteers and staff will honor the follow Ethical accountability and integrity in relationships, organizational decisions and stewardship of resources. Leadership to enable individuals to make their optimal contribution through thinking and inquiry. Excellence and innovation at every level of the organization to advance the profession Collaboration to ensure quality patient-and family focused care.

