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PRESIDENTS MESSAGE

Cheryl Jaglowski-Ho, BSN, RN, CRN
2018-2019 ARIN President



Welcome to the 2018 ARIN Annual Business Meeting! Thank you for being here. I celebrate your commitment to yourself, your profession and your connection to ARIN.

As I start, I want to recognize and thank our members and groups who have volunteered at ARIN this past year. You are leaders in your place of employment, you are leaders in your communities. You have set the bar high and we will miss you as you continue your journey.

The outgoing Board Members

- DeAnn McNamara, Director of Education
- Chris Keough, Treasurer
- Evelyn Wempe, Past President

In addition, a big thank you to our:

- Planning Committee
- Chapter Leaders
- Chapter Members
- Journal Editor
- Vision Editor

And especially to Boulter Management Company, Liz, Bruce, Spencer and Robert.

In addition, I am honored and pleased to be working with new board members:

- Chris Keough, President -Elect
- Amanda White, Treasure
- Kristin Hoerl, Director of Education

Thank you all! ARIN celebrates you!

As I start my presidency, I would like to share the future of ARIN. The future is making ARIN easy to use and available where it is needed. The first step is the introduction of the new APP at convention. It is the beginning of the easy to use and "Mobile ARIN". It is easy to use, and it reduces the cost of printing materials. In the upcoming months, we will have the new Web page completed. This has been a labor of love for the board.

In addition, we are rolling out a new Resource Pool for volunteering. Most of us like to volunteer for projects we are passionate about. Are you hesitant about the time commitment? I know that I am and when we talked about this, the director of Education came up with a Resource Pool to help address this. Now you will be able to identify a time commitment and what you like to do. This will help us match you up with the needs that ARIN has. We want to know what is unique about you. We want you for the passion you bring to the profession and we will be mindful of your time. I would like to see each of us be comfortable with your commitment and have the opportunity to contribute to ARIN.

Thank you to our corporate sponsors



Social Media is very important, and we are increasing the awareness of ARIN across social media. You can find us on Facebook, Twitter, and LinkedIn. Here is a great opportunity for helping the Social Media group, with the upkeep and knowledge you have. Please consider volunteering here. If volunteering is not in your plans, consider helping it grow by using and liking the pages.

ARIN has committed to updating our education platform

- By digital presence
- Ongoing recorded educational offerings via webinar
- Directed journal readings
- 3 professional publications need updating, and these projects have already begun
- Core Curriculum
- Scope and Standards
- Orientation Manual – to include a section on the novice nurse practitioner
- On-going recruitment of sponsors

We have already begun a project with AMSN to provide modular style digital education to assist nurses everywhere in caring for their patients with radiology and imaging needs. This is in addition to talks with collaborative relationships with other nursing organizations with reciprocal education services.

In addition, ARIN has a new partnership with Medlantis for videotaping our education and increasing our marketing exposure. This is part of my goal this year, to increase our presence across the mobile and updated educational offerings. This will increase our worldwide presence.

Finally, ARIN is opening a “Resource Post”. This will allow members to have the information they may need at their fingertips. Please consider allowing your passion for imaging nursing to gear you to this page and sign up. This will help us explore a relationship that benefits you and ARIN.

Our new initiatives are built on the successes of the past year. Some of the many accomplishments that ARIN has reached include:

- Pediatric Sedation Airway Course in collaboration with pediatric sedation experts.
- Capnography Program with hands-on classes

- Directed Journal Readings with CE's
- New Clinical Practice Guidelines posted on the website.
- The new logo which is cleaner and modeled along industry standards
- Updated mission and vision statements
- Cost savings program for consumer goods
- 53.6 CE's offered in the past year via Directed Journal Readings, Webinars, and Conferences
- Boulter Management has increased our sponsorship revenue.

As I end this short discourse on the past and future year, I want to invite each of you to reach out and

Connect to ARIN and another colleague or 2 or 3. Connect by volunteering, teaching and reaching out.

Promote our specialized knowledge to colleagues who care for our patients, families, and to each other.

Advance the Image of Imaging Nursing across the universe. I bet you already advance the specialty in your institution, so consider using your individual skills in a meaning full way.

ARIN is moving forward. Our Mission and Our Vision is guiding our way.

Our Mission:

We are the Premier Source for Imaging Nurses

Our Vision:

Connecting – Imaging nurses across the globe

Promoting – the face of imaging nurses across all disciplines

Advancing – Radiologic & Imaging nurse by sharing best practices, process improvement and publications around the world

Thank you for your time and please consider dropping me a line to say what is on your mind and in your heart for ARIN and Imaging Nurses





CONVENTION RECAP

Bruce Boulter
ARIN Executive Director

Every year as we prepare for convention, it is a time of great excitement at ARIN headquarters. 2018 was no exception; especially as this year included many new changes for ARIN. With the help and support of the ARIN Board of Directors, several exciting projects were set into motion.

The changes started in the Fall of 2017, when ARIN launched its first app. We are very excited that our membership can access all that ARIN has to offer via the many platforms that are available to them. We know that you are busy, and we want to make it as simple as possible for you to keep up to date on all things ARIN, especially your access to the broad educational offering on our CE Center. Click here to download the app -<https://crowd.cc/s/13CCo>

At convention ARIN launched the convention app, and so much more. As you are now seeing, ARIN has a brand-new logo which comes in three flavors. The stand-alone version, the logo with the ARIN name,

and the logo with a new tagline: Connecting, Promoting, Advancing. We invite you to look to the website in coming days to get more insight into this direction. Our new president, Cheryl Jaglowski-Ho has also discussed this more in her speech.

In the coming weeks, you will also be hearing more about new member benefits, and by the end of April (hopefully!) the launch of the all new ARIN website. Our goal is to create an offering that is not only pleasing to the eye, but much more functional and more user friendly across the various platforms. We are very excited about all these new member benefits and look forward to hearing your thoughts regarding these items.

Thank you for your faithful membership in ARIN, and for all you do for patients across the globe.





ANNOUNCING NEW ARIN MEMBER SAVINGS!

Office DEPOT[®]
OfficeMax[®]

up to 80% off office essentials



up to 20% off new payroll services

HE **HOTELENGINE[™]**

up to 60% off 100,000+ hotels

AD **Accounting**
Department[®]

discounted online accounting services

4imprint[®]

10% off promotional products

St[®]erling
Talent Solutions

background screening

YRC[®]
FREIGHT

83% off tradeshow & LTL shipping

TICKET
DEALS

up to 60% off theme parks, movies & more

Transworld
Systems[®]

unbeatable collection agency pricing

Reward
Shopping

free cash back rebate program

AVIS[®]
Budget[®]

up to 25% off personal & business rentals



everyday low ink & toner pricing

R_x **Prescription Drug Card**

free prescription savings card

COPY & PRINT
DEPOT

substantial savings: 2.5¢ b/w 22¢ color

bonus  **central**

monthly specials and coupons

Start saving today: **ARIN.SavingCenter.net**

888.868.4030
membercare@savingcenter.net

ARIN 37TH ANNUAL CONVENTION



JOANNA PO LECTURE SERIES

Karen L. Green, MHA, BSN, RN, CRN

Excellence is the gradual result of always striving to do better.

– Pat Riley

In November 1981, the 35 ARNA Charter Members focused on 4 words to grow ARNA. They were: Accountable, Resourceful, Nurturing, and Advocate. These words have followed ARNA, now ARIN (2008), throughout our history.

Ms. Joanna Po, MSN, RN-BC, CNS, was one of those 35 Members, and she was also ARNAs 4th President. She is a woman small in stature but bigger than life when she speaks about ARNA/ARIN. Joanna is known for her leadership, encouragement, and supportive words.

It followed then, that, in 2013, when the Board of Directors decided to develop a signature lecture to open our ARIN Convention, the decision was made to honor Joanna Po who IS THE living history of ARNA – ARIN. The Joanna Po Lecture Series is meant to honor a nurse who continues to bring knowledge, guidance, passion, and love to our members and our profession.

In 2014, the first lecture in this series was presented by Joanna herself discussing our history. The love and passion Joanna has for ARIN shines through brightly! In 2015, Dr. Brenda Boone discussed the importance of the Nurse's Voice. 2016 showcased Dr. Greg Laukhuf discussing Volunteering & the Lollipop Moment, and, in 2017, I presented The Caring Aspect of Nursing.

This year, it is my honor to introduce our speakers for the 2018 Joanna Po Lecture Series, Ms. Kristina Hoerhl and Ms. Nikki Warner. They will be presenting Totally Rad Introductory Competencies.



Ms. Hoerhl is the Nurse Educator for the Department of Radiology at The Johns Hopkins Hospital in Baltimore, Maryland. Kristina earned her Master's in Nursing Education from the University of Phoenix. She is a Certified Radiology Nurse and a member of the Master Faculty for the INRC. Kristina was selected as the Radiology Nurse of the Year in 2017.

Ms. Warner is a Nurse Educator for Central Nursing at the Johns Hopkins Hospital. She earned her Master's in Nursing from the Johns Hopkins University and is board certified in Nursing Professional Development.



Joanna congratulates Nikki and Kristina

CRN MEMBERS CELEBRATE CERTIFICATIONS AT CONVENTION FOR **CERTIFIED NURSES DAY**





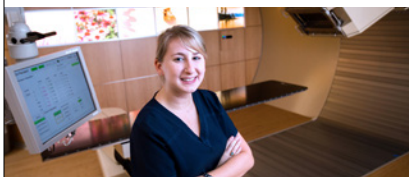
SOCIAL MEDIA

We live in a Social Media world. Many of us receive a significant portion of our daily information from these sources.

Recognizing this fact, ARIN's social media presence was stepped up. Arin has begun reaching the community on Facebook, Twitter, Snapchat, and LinkedIn, and on Instagram at [radimagingrn](#). The ARIN APP was unveiled in the fourth quarter of 2017 and was unveiled at the 2018 Annual Convention. This allowed members real time updates on speaker sessions with immediate access to room numbers and other events. The APP is free to download for both iOS and Android.

ARIN is reaching out to meet your needs. Look for an exciting new column to appear in upcoming issues of Vision, to keep members up to date through this everchanging arena.

A Life-Changing Career



We invite you to consider a life-changing career with the #1 hospital in the nation.

At Mayo Clinic you will discover a one-of-a-kind, state-of-the art, sub-specialized Radiology Department serving 800,000 patients annually in a dynamic, high-tech, high-touch hospital and ambulatory settings. **Current RN opportunities exist in:**

- Diagnostic • Procedural • Ablation
- Vascular and Neuro Interventional • Hybrid Procedural Suite

To hear from one of our Radiology Nurses visit mayocareers.com/RadRNVideo.

To learn more about available positions, please visit mayocareers.com/ARIN.



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BARE NEWS: WHAT YOU NEED TO KNOW!

Greg Laukhuf ND, RN, CRN, RN-BC, NE-BC

Physicians halt life-threatening arrhythmias with stereotactic radiation

Physicians at Washington University School of Medicine in St. Louis have developed a new approach for treating ventricular tachycardia by applying stereotactic radiation to the heart. "Catheter ablation is the standard of care. While it can be quite effective in many patients, it has high rates of recurrence and the potential for death in the sicker patients," notes first author Phillip S. Cuculich. "When patients have a recurrence after catheter ablation, or are too sick for catheter ablation, they have few options. Our totally noninvasive method of mapping the arrhythmia and delivering radiotherapy to the target in under 15 minutes has the chance to significantly improve short term safety for this patient population. Their findings were published in The New England Journal of Medicine.

Amazon's Alexa - and the Clinic - are here to answer your health questions

Need a natural cure for insomnia? Want to know the health benefits of lemon water? Alexa, Amazon's in-home Echo devices, can offer users a daily health tip from the Cleveland Clinic. "I think if you look at any forecast for where mobile technology and digital technology is going, we expect over the coming years that voice is going to become the dominant way that people navigate information," said Paul Matsen, the Clinic's Chief Marketing Officer. "So, whereas we've moved from desktop to mobile, we're probably going to be moving from people having to type in for search to more of a voice-driven experience... As the technology changes, as behavior changes, we need to be moving where the technology is leading us," he said.

Moody's: 3 ways the GOP tax bill will hurt nonprofit hospitals

The Republicans' tax overhaul plan has negative credit implications for nonprofit hospitals and health systems, according to Moody's Investors Service. ... 1. The tax bill will repeal the ACA's individual insurance mandate. This will cause the uninsured population to rise and raise uncompensated care costs, which will negatively affect healthcare organizations' operating margins and cash flow ... 2. The tax plan's limits on tax-exempt refunding is negative for all issuers of tax-exempt debt, including nonprofit hospitals and health systems, as these financings have been used to reduce long-term borrowing costs and take advantage of lower interest rates ... 3. The tax bill will slash the corporate tax rate to 21 percent from 35 percent. This change has negative implications for nonprofit hospitals and health systems, as it "makes tax-exempt bonds a less attractive investment for banks and other financial institutions ... "

Healthy Tips for 2018

Roy Buchinsky, MD, director of wellness at University Hospitals Cleveland Medical Center has 10 tips to maximize yourself and live longer.

- #1 "If the food is white, it's probably not right." Avoid processed white carbohydrates and replace with whole-grain products such as whole-grain bread, brown rice.
- #2 "Don't drink your fruit when you can eat your fruit." Fruit in its natural form is healthiest
- #3 "Sitting is the new smoking." Increase your daily physical activity by moving more; Aim for 10,000 steps per day.
- #4 "Don't skimp on sleep." Aim for seven to eight hours per day.
- #5 "Maintain a gratitude attitude every day." Looking at life with a positive attitude can help you deal better with everyday hassles.
- #6 "Don't sweat the small stuff." Don't get upset over minutia in life and focus on the big-ticket items - health, family, work, religion.
- #7 "Avoid toxins such as tobacco, excess alcohol and BPA



- #8 "Prevention is the best intervention." Vaccinations are very powerful in preventing common illnesses such as influenza, pneumonia, HPV, hepatitis, shingles, diphtheria, etc.
- #9 "Control the controllable." If you focus on items within your control, you will be able use your energy productively.
- #10 "Take your work seriously, but don't take yourself too seriously." Remember Charlie Chaplin who said, "A day without laughter is a day wasted."

Why do hospitals bare butts when there are better gowns around?

The first thing hospitals do is strip patients of their dignity," said Bridget Duffy, "but hospitals are increasingly paying attention to patients' experience, and that includes what they wear." ... As Cleveland Clinic's chief experience officer, Duffy started redesigning the hospital's gowns, which culminated with new gown created by Diane von Furstenberg. The gowns feature deep V-neck (and back) cuts that offer clinicians easy access to the patient's upper torso, with full coverage of the lower extremities. If hospitals boost patient-satisfaction scores on surveys, they can increase Medicare and Medicaid reimbursement levels.

New Device for Glucose Monitoring

Dexcom has released a new device Dexcom G6 continuous glucose monitor. This testing unit can be used as a standalone unit or as a part of an automated insulin pump. The sensor requires minimal calibration and so pricking the finger becomes necessary on rare occasions.

A small sensor patch is applied that can stay on 24 hours up to ten days and transmits its readings wirelessly to a smartphone, smartwatch, or its own unique receiver. The system is used for adults and children as young as two years of age.

The concern for radiology is the contraindications from the Manufacturer's Instructions for use.

Contraindications (From Dexcom IFU)

MRI/CT/ Diathermy

Remove the Dexcom G5 sensor, transmitter, and receiver before Magnetic Resonance Imaging (MRI), Computed Tomography (CT) scan, or high-frequency electrical heat (diathermy) treatment. The Dexcom G5 has not been tested during MRI or CT scans or with diathermy treatment. The magnetic fields and heat could damage the components of the Dexcom G5, which may cause it to display inaccurate blood glucose readings or may prevent alerts.

The system hasn't been tested during MRI, CT scans, or with diathermy treatment. Magnetic fields and heat could damage the components, stopping sensor glucose readings or Alarm/Alert notifications. Without sensor glucose readings or Alarm/Alert notifications, you might miss a severe low or high glucose event.

Medications

Taking medications with acetaminophen while wearing the Dexcom G5 may inaccurately raise the glucose readings generated by the Dexcom G5. The level of inaccuracy depends on the amount of acetaminophen active in your body and is different for each person. Do not rely on continuous glucose monitoring (CGM) data produced by the Dexcom G5 if you have recently taken acetaminophen.

The manufacturer recommends that the device be removed for radiology scans and be replaced with a new sensor after use.

OUR FUTURE

Greg Laukhuf ND, RN, CRN, RN-BC, NE-BC

With another annual convention behind us, it always makes me stop and look ahead to where we as Radiology Nurses are going. The recent reports of mergers coupled with challenging market forces and shifting political landscapes has clouded where the U.S. healthcare delivery system is heading.

Where do we go as radiology nurses to find the map? Yearly, the JP Morgan Healthcare Conference provides a snapshot of the strategies for U.S. healthcare delivery systems. This year the conference was attended by over 20 healthcare systems, including Advocate Health Care, Aurora Health Care, Baylor Scott & White Health, Catholic Health Initiatives, Geisinger Health System, Intermountain Healthcare, and Partners HealthCare System to name a few. If you're looking for the map to the future, this is the place (Michelson, 2018)

While the maps vary, the direction headed is consistent. What do these institutions consider essential to their journey to the future (Michelson, 2018)?

1. HEALTH SYSTEMS MUST SCALE

With the daily headlines of mergers and the new mergers between outside companies such as Amazon making inroads into healthcare, scale was an issue. With that said, two of the mergers were on the forefront: Downers Grove, Ill.-based Advocate and Milwaukee-based Aurora, which will be a \$10 billion organization with 70,000 employees and San Francisco-based Dignity Health and Englewood, Colo.-based Catholic Health Initiatives, which will be a \$28 billion organization with 160,000 employees (Michelson, 2018).

Although these two mergers are mind boggling. Other lesser mergers have been in the news. There are several different paths forward to achieve scale. Two things were clear. The first is there is no definition of scale. The second is that, despite this flurry of mergers, "getting really big" is not the only destination.

2. YOU MUST PURSUE "SMART GROWTH" AND FIND NEW REVENUE STREAMS

Salt Lake City-based Intermountain provided insight into an "asset light" strategy of "smart growth." This is a contrary approach to the bricks and mortar playbook of buying and building. This approach will open a "virtual hospital" delivering provider consultations and remote patient monitoring via telehealth.

3. YOU MUST MEASURE AND MANAGE COST AND MARGINS

Everyone is looking to maximize resources and gain operating leverage. What emerged is a new discipline and process around managing cost and margins that looks like past efforts for revenue cycle management. There has been major efforts to implement advanced cost accounting systems. All are moving aggressively to understand the denominator of their value equation.

4. YOU MUST BECOME A BRAND

Investing in and leveraging their brand has become a must for health systems. The biggest investments for many systems are more on brand experience than brand image, with a focus on rethinking the consumer experience. For example, Geisinger has 50 percent of ambulatory appointments are scheduled and seen on the same day. Most systems are investing in their "digital handshake" and "Social Media" with consumers, creating and leveraging it with mobile applications to boost the customer experience.

5. YOU MUST OPERATE AS A SYSTEM, NOT JUST CALL YOURSELF ONE

It was obvious that organizations were at different points of the continuum; operating as a system vs. merely sharing a name and a logo. There has been a great deal of acquisitions over the last few years coupled with a new wave of thinking relative to integration that is more aggressive and more forward-looking. This mental shift is actually a very big deal and perhaps the most important new trend.

6. YOU MUST ACT SMALL

"Agile" is becoming part of everyone's vocabulary. Many systems have found a way to operate small, leveraging daily huddles across the organization to drive their results.



7. YOU MUST ENGAGE YOUR PHYSICIANS

Employee engagement was a major focus in presentations. A focus on culture is top of mind and a strategic must. Only a handful focused on monitoring and measuring physician engagement. Given that physicians make roughly 80 percent of the decisions on care that take place and control 80 percent of the spend, this is a missed opportunity. One presentation that stood out was a 117 percent improvement in physician engagement at Northwestern. Major improvements will require clinical leadership and a true partnership with physicians.

8. YOU MUST LEVERAGE ANALYTICS

While health systems have made major investments big data, machine learning and artificial intelligence, there was a consistent theme regarding the need to bring clinical and financial data together. The primary focus is to translate analytics into action.

9. YOU MUST PROTECT YOURSELF

As organizations move deeper into data, there is increased recognition that cybersecurity. Over 40 percent of all data breaches that occur happen in healthcare. Investments in cybersecurity will continue to ramp up. Cybersecurity has become a board room issue and a top-of-mind initiative for executive teams at every health delivery system.

10. YOU MUST MANAGE SOCIAL DETERMINANTS OF HEALTH IN THE COMMUNITIES YOU SERVE

The most encouraging revelation for healthcare organizations was the need to engage the community they serve and focus on social determinants of health. WakeMed has an initiative focused on vulnerable populations that has resulted in a significant decrease in ER visits and admissions and over \$6 million in savings.

11. YOU MUST HELP SOLVE THE OPIOID EPIDEMIC

The opioid issue is forefront in many organizations. It came up in presentations and it's an emotional issue for organizations. Geisinger invested in a CleanState Medicaid member pilot that resulted in a 23 percent decrease in ER visits and 35 percent decrease in medical spending, breaking even on their investment in less than 10 months.

12. YOU MUST DELIVER VALUE

Value-based counseling and decision-making that will help flip the model of healthcare. Northwestern currently has 25 percent of its patients in value-based agreements. As the team from Intermountain shared, "You can't time the market on value, you should always do the right thing, right now."

Reference

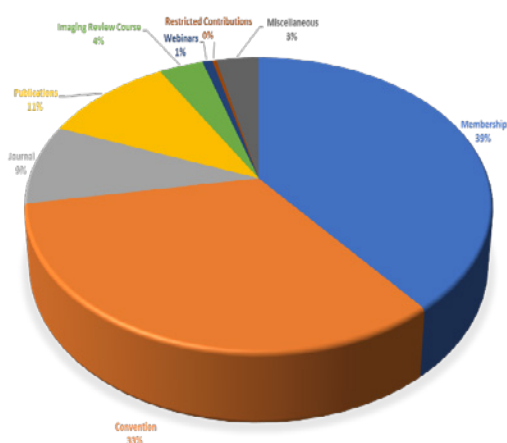
Michelson, D. (January 10, 2018). Strata Decision Technology. Top 12 takeaways from the 2018 JP Morgan Healthcare Conference. Retrieved <https://www.beckershospitalreview.com/hospital-management-administration/12-things-you-need-to-know-from-the-2018-jp-morgan-healthcare-conference-while-the-destination-is-uncertain-the-direction-is-clear.html>

TREASURER'S REPORT

2017 Chris Keough BSN, RN, CRN Treasurer
2016-2018 ARIN Board of Directors

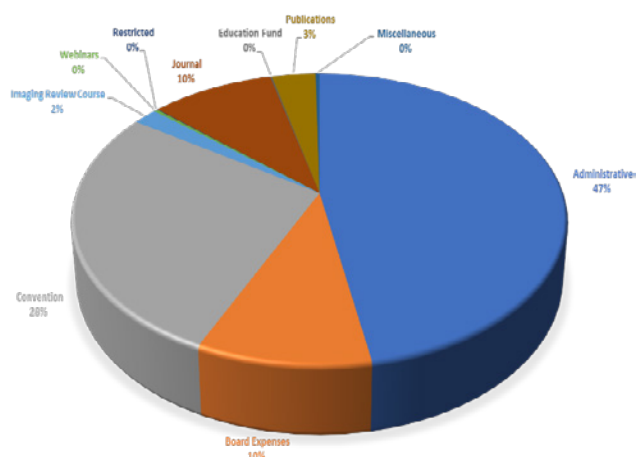
The annual ARIN business meeting was the setting for the presentation of the annual treasurer report. This is the opportunity to share the financial health of the organization to membership.

The chart below shows the 2017 sources of revenue for the organization broken down by percent. Membership followed by convention remain the major sources of revenue for the organization.



Revenue Chart

The pie chart below presents the 2017 expenses of the organization broken down by percent and type. Administrative and convention remain the top expenses for the organization.



Expenses Chart

What does 2018 hold for ARIN financially? The ARIN Board has identified three goals for the upcoming year. The first board goal is to increase membership by focusing on member value. The following are the values of ARIN membership:

- Webinars/Directed Journal Readings CE Credits (Free for Members)
- Increased CE Credits to over 43 Currently Available in The Education Database – Ability to Store Members CE Records
- Online Education Library and Transcript
- Increase Convention Participation- Currently 254 Attendees!!
- Continue to Develop Pod Cast Recordings to Increase Participation

The second goal is to diversify revenue stream. This will help to protect ARIN for the future. The following are actual or projected revenue streams:

- Market Online Self-Study Educational Podcasts
- Regional & Virtual Imaging Review Courses
- Created a diverse financial portfolio
- Promoting ARIN's Educational Resources
- Update written publications including the Core Curriculum, Scopes and Standards, 2014 Orientation Manual and CRN Companion Guide

The third and final goal is to streamline and reduce expenses. These include;

- Virtual Office Structure – Decrease Overhead Costs
- Reduce Operating Expenses
- Reduce Board Expenses

I am proud to share that the organization is in great shape to serve members in the upcoming year. Members may address any questions to Liz.Boulter@arinursing.org.

ARIN ANNOUNCES: 2017 WINNERS OF AWARDS AND SCHOLARSHIPS

Greg Laukhuf ND, RN, CRN, RN-BC, NE-BC

That's the thing about awards – it's for the people who do all the hard work behind the scenes.

– Sia

With the annual meeting, the award season for ARIN commenced and the winners are:

2018 RADIOLOGY NURSE OF THE YEAR AWARD

Greg Laukhuf ND, RN, CRN, RN-BC, NE-BC

The Radiology Nurse of the Year Award was established in 2006 by the ARIN Board of Directors and is presented to an ARIN member in recognition of outstanding radiology nursing practice as demonstrated through leadership, mentorship, and ongoing professional development.



Greg accepts congratulations from President Cheryl

2018 CHAPTER AWARD

New England Chapter - ARIN

The Chapter Award honors the chapter that best promotes the goals of ARIN through their member relationships, community activities and promotion of community health issues.

2018 DOROTHY BUDNEK MEMORIAL SCHOLARSHIP

Patricia McCarthy, BSN, RN

The Association for Radiologic and Imaging Nursing (ARIN) Dorothy Budnek Memorial Scholarship was established to provide financial assistance to ARIN members who have returned to school to advance their nursing education. The recipient will receive a limited scholarship to help in this endeavor.



Patricia accepts her award from President Cheryl

2018 CHARLOTTE GODWIN SCHOLARSHIP

Marsha Scott, RN, CRN is the 2018 award winner.

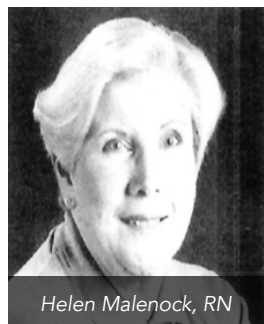


Charlotte Goodwin

The Association for Radiologic and Imaging Nursing (ARIN) Charlotte Godwin Scholarship was established to aid with ARIN members to attend the annual Spring Educational Meeting. This scholarship honors the founder of ARIN who had the vision to bring radiology nurses together to improve patient care in radiology. The recipient will receive a complimentary registration for the annual meeting; in addition, the recipient will receive a complimentary convention registration and a cash scholarship of \$200.00 to defray the expense of attending the meeting.

2018 HELEN MALENOCK AWARD

Haley Smith, MSN, RN, CEN



The Helen Malenock Award was established in honor of former ARIN board member, Helen Malenock. The award recognizes a dedicated radiologic and imaging nurse through a complimentary membership to ARIN. The recipient of this award exemplifies the ideal patient care advocate who is dedicated to quality patient care within an imaging environment.

INAUGURAL DR. STEVEN FERRARA SCHOLARSHIP

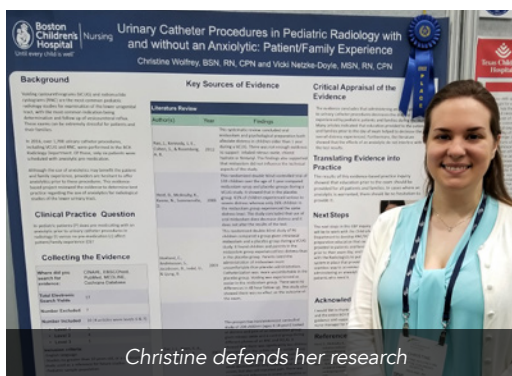
Irene Maghirang, MSN, RN, CRN, CRNI.

The Dr. Steven Ferrara Scholarship is a sponsored offering from the 2016-2018 Director of Education, De'Ann McNamara as acknowledgement for the contributions Dr. Ferrara has made to the collaborative, interdisciplinary work with ARIN in providing education and perspective from his experience in providing excellent care for United States Soldiers and Veterans.

2018 POSTER SESSION

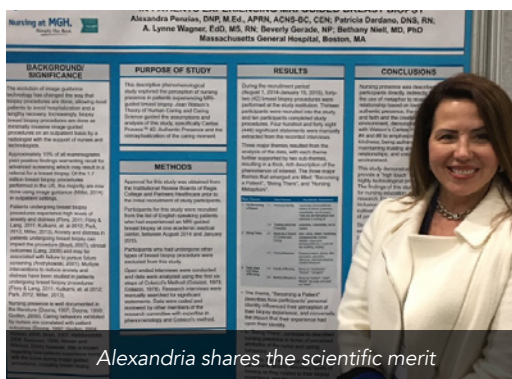
First Place

Christine Wolfrey, BSN, RN



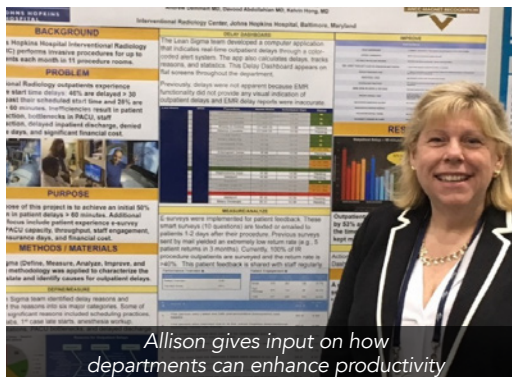
Second Place

Alexandria Penzias, DNP, Med, APRN, ACNS-BC, CEN



Third Place

Alison Owens, MSN, RN



ARIN EXTENDS A WARM WELCOME TO OUR NEW MEMBERS!

First Name	Last Name	State	Country
Casey Jo	Mcdermitt	PA	United States
Jennifer	Schmidt	MO	United States
Ann	Mcgrath	NY	United States
Kathryn	Ragel	MA	United States
Amy	Reed	AK	United States
Kari	Begin	ME	United States
Barbara	Kioski	FL	United States
Brooke	Zacheis	NJ	United States
Catiussi	Hoffmann	CA	United States
Chaley	Pettit	TX	United States
Sherri	Buterbaugh	PA	United States
Cynthia	Scheuher	MI	United States
Bonnie	Barnard	TX	United States
Sarah	Deidrich	LA	United States
Christina	Unverricht	AB	Canada
Gloria	Devia	CA	United States
Jeanie	Mungcal	CA	United States
Irene	Cassata	NY	United States
Mary	Short	UT	United States
Rn	Williams	VA	United States
Ellen	Kantor Jean-Louis	MA	United States
Ann Marie	D'elia	FL	United States
Kathleen	Morse	WA	United States
Kelli	Brennan	GA	United States
Kelly	Calabrese	IL	United States
Denise	Vorndran	OH	United States
Laura	Camacho	TX	United States
Elena	Clifford	MA	United States
Velma	Scalzitti	CA	United States
Mary	Houton	PA	United States
Michael	Hooks	VA	United States
Fred	Orr	FL	United States
Hubert	Hamilton	NJ	United States
Cathy	Wolff	MN	United States
Christine	Wolfrey	MA	United States
Jillian	Russo	NY	United States
Tia	Saint Onge	MN	United States
Kim	Schellin	MT	United States
Scott	Schnedler	MI	United States
Cassondra	Serrao	CA	United States
Evadnez	Tang	ON	Canada
Kristina	Taylor	MD	United States
Deanna	Temple	WA	United States
Andrew	Trybom	KS	United States
Starr	Urbano	NY	United States
Jennifer	Verhagen	MN	United States
Jacqueline	Wameling	NY	United States
Nicole	Warner	MD	United States
Candace	Murphy	NJ	United States
Dawn	Nahlen	AR	United States

First Name	Last Name	State	Country
Cynthia	Nielsen	WA	United States
Ejegul	Nuryyeva	CO	United States
Kierstin	Olson	UT	United States
Arja	Pappu	CA	United States
Mina	Parivash	CA	United States
Marvic	Pascual	ON	Canada
Janet	Patron	CA	United States
Angela	Petersen	OH	United States
Kimberly	Proctor	TN	United States
Molly	Provencher	MA	United States
Rheanna	Rose	WA	United States
Jocelin	Jenkins	MT	United States
Shelley	Jones	OR	United States
Mary	Kintz	NY	United States
Michelle	Larson	AZ	United States
Valerie	Linke	NV	United States
Sara	Mccartin	CA	United States
Norma	Merritt	MI	United States
Joseph	Middleton	AL	United States
Gladys	Mokaya	ON	Canada
Melissa	Mount	AZ	United States
Amanda	Eichstaedt	IL	United States
Linda	Ellwood	MD	United States
Norman	Engvall	CA	United States
Venus	Foster	CA	United States
Julia	Hanshaw	OH	United States
Scott	Imamura	HI	United States
Nicole	Iverson	MN	United States
Susan	Cockrell	MS	United States
Susan	Cristante	AZ	United States
Christine	Dorsey	FL	United States
Meaghan	Caravan	VT	United States
Christopher	Catrow	MD	United States
Sherri	Caudill	TX	United States
Russell	Davis	CA	United States
Tammy	Serrano	OH	United States
Goeun	Lee	CA	United States
Ruth	Baker	ID	United States
Marilyn	Pitts	NC	United States
Betty	Locke	UT	United States
Trina	Williams	UT	United States
Leila	Stewart	UT	United States
Tobi	Paulos	UT	United States
Christopher	Najera	CA	United States
Marie	Heinzman	MI	United States
Amanda	Plesnik	NJ	United States
Melissa	Keefer	PA	United States
Sheila	Ramos	FL	United States
Rachel	Schilber	CA	United States
Charles	Cycon	NJ	United States

First Name	Last Name	State	Country
Melissa	Dugan	KY	United States
Karen	Fossile	MA	United States
Sherrie	Knight	OH	United States
Shari	Louis-Kadushin	NY	United States
Brenda	Flynn	MO	United States
Jennifer	Simoneaux	TX	United States
Ryan	Robinson	FL	United States
Kathy	Yoor	FL	United States
Sakina	Alston	NC	United States
Sean	Ellis	FL	United States
Kathleen	Gowin	MD	United States
Diana	Salzer	CA	United States
Ma Inez Amparo	Ambata	MD	United States
Tesie	Cates	OK	United States
Laurie	Gilligan	VT	United States
Becca	Chandler	NY	United States
Lisa	Fussell	FL	United States
Esther	Rodriguez	NJ	United States
Cassandre	Fernandez-Andrew	FL	United States
Susan	Cherry	TX	United States
Jodi	Shoupe	OH	United States
Elizabeth	Sarwar	CA	United States
Sharon	Miller	VA	United States
Nancy	Gannon	NJ	United States
Paula	Miceli	MA	United States
Theresa	Zacher	WA	United States
Dena	Videtic	FL	United States
Florendo	Violeta	NY	United States
Katie	Soto	MD	United States
Sherry	Elbert	TX	United States
Paula	Picerno	MO	United States
Emily	Vezina	NY	United States
Latoya	Walter	NC	United States
Karen	Pucino	NC	United States
Rebecca	Lobe	NC	United States
Aleena	Bhasin	NC	United States
Jill	Chuita	CO	United States
Emily	Howarth	NC	United States
Patrice	Cooper	FL	United States
Devora	Fischman	NY	United States
Lindsay	Cromwell	MD	United States
Katherine	Haworth	NC	United States
Robin	Hayes	OH	United States
Tenille	Angle	IN	United States
Sonia	Ho	AB	Canada
Angelica	Zamora	TX	United States
Michael	Hershberger	HI	United States
Kelly	Price	UT	United States
Sarah	Saylor	TN	United States
Yvette	Viceral	CA	United States
Rachel	Miller	UT	United States
Betsy	Verant	MN	United States
Barbara	Garrigan	NY	United States
Russell	Henning	NY	United States

First Name	Last Name	State	Country
Carole	Wehmeyer	OH	United States
Diane	High	TX	United States
Claire	Goode	CA	United States
Jody	Kilroy	MA	United States
Mary	Walters	FL	United States
Diane	Mahoney	RI	United States
Kimberly	Wischmeier	IN	United States
Janelle	King	AZ	United States
Toni	Miller	OH	United States
Nicole	Bellus	PA	United States
Shelly	Amos	TX	United States
Tiffany	Walsh	SC	United States
Patricia	Vanmarche	AZ	United States
Julie	Rydin	MN	United States
Gary	Bolanos	TX	United States
Andrea	Macdonald	ON	Canada
Cheryl	Michalak	NY	United States
Michelle	Rhoads	DE	United States
Linda	Lackey	NC	United States
Amanda	Hegeman	CA	United States
Jessica	Drumm	NY	United States
Lorenne	Castillo	CA	United States
Kimberly	Wolfer	WA	United States
Aneatra	Stovall	MD	United States
Meaghan	Burkett	VA	United States
Stephanie	Stevens	MN	United States
Rachel	Nielsen	AB	Canada
Gail	Senge	PA	United States
Ryan	Neder	CA	United States
Kandice	Garcia	CA	United States
Don	Phan	CA	United States
Ana	Romero	CA	United States
Robert	Hett	CA	United States
Jasmine	Victa	CA	United States
David	Favot	MI	United States
Karen	Estologa	MD	United States
Jessica	Tremblay	VT	United States
Lorriene	George	CA	United States
Joan	Schnorenberg	WI	United States
Michelle	Faulkner	TX	United States
Khadija Kayla	Allen	FL	United States
Cathryn	Canava	CA	United States
Wendy	Sauers	MI	United States
Ashley	Henry	GA	United States
Jessica	Liberty	NY	United States
Rachael	Armbruster	CA	United States
Constance	Fyffe	CA	United States
Rebecca	Paquette	CA	United States
Allen	Eikamp	CA	United States

ARIN EDUCATION UPDATE

2017 was an exciting year for the organization. To meet the educational needs of imaging nurses, ARIN offered five live webinars and five CE of directed readings in the JRN (Journal of Radiology Nursing). The topics covered included topics such as: pediatric radiation exposure, radiological evidence of child abuse, fistula angioplasty and malignant hypothermia.

Further educational opportunities were found at the 2017 Annual Convention was held in Washington, DC. The educational agenda included the Joanna Po Lecture featuring ARIN past president Karen Green MHA, BSN, RN, CRN delivering a lecture titled: "Care, Caring, Caregiver: What Nurses Do Best. The conference also included the combined day with the Association of Vascular and Interventional Radiographers (AVIR) for a joint education day and soiree at the beginning of the conference, which was an excellent opportunity for interaction and collaboration for teams practicing in the radiology environment. The cross disciplinary events bring a wider lens with which to study how the radiology health care team can provide the best possible patient care.

ARIN education extended to the Imaging Review Course (IRC) that was offered 4 times during 2017: the ARIN Annual Convention (Washington DC); the New England Chapter; Cleveland Clinic Florida – Weston; and St. Lukes' Magic Valley – Twin Falls, ID.

ARIN has many resources for member education. The ARIN Forum continues to flourish on the website. Found on the website under Resources – ARIN forum, it allows nurses to get in touch with like-minded individuals and share knowledge on a variety of questions and topics.

In addition, ARIN has a variety of publications available to purchase on the website under Resources – ARIN publications:

- ARIN Core Curriculum – available in print edition and eBook
- CRN Prep: The Practical Study Guide – in spiral bound or eBook
- Orientation Manual for Radiologic and Imaging Nursing – in three ring binder format
- Radiologic and Imaging Nursing: Scope and Standards of Practice – print edition
- Gerontological Advanced Practice Curriculum – print edition

Additional resources can be found in the Resources – Practice Guidelines and Position Statements:

- Joint Practice Guideline for Sterile Technique during Vascular and Interventional Radiology Procedures
- Use of Capnography for Patients who Receive Moderate Sedation/ Analgesia
- Bariatric patient Safety in the Imaging Environment
- Nursing leadership and Performance Position Statement
- The Registered Nurse in the Imaging Setting

And Clinical Practice Guidelines:

- Moderate Sedation and Analgesia
- Guidelines for Personnel Dealing with Chemotherapy/Cytotoxic Medications
- Extravasation of Contrast Media

ARIN is working on additional education resources for members. The education that can be obtained from ARIN makes it valuable to be a member. If you have a member benefit question, contact Liz.boulter@arinursing.org.



ARIN MEMBERS IN THE NEWS

ARIN members strive to lead not only in radiology but in nursing. Our Director of Education, **Kristina Hoerl** was recently honored by Baltimore magazine in a salute to the region's top nurses in 21 specialties for their outstanding contributions to healthcare. The John Hopkins Hospital member was named as one of the outstanding educators in the Baltimore area for 2018. She was honored at the fourth annual dinner and awards recognition at the Delta Hotels on Wednesday, April 18th.



VISION IS CHANGING TO?

Vision is changing in the next few months! We are adding enhanced functions, so it can go where you go. To celebrate the new look, we are changing the name also. We are asking members to submit a new name by April 30th. 5 random winners for a Starbucks card will be chosen with the board choosing the best name. The winner will receive the grand prize of an electronic Core Curriculum.

[Enter now on the ARIN website!!](#)

(Only Active members are eligible to participate)



VISION SALUTES BOULTER MANAGEMENT TEAM!

Thank you for your dedication to ARIN!

Spencer Boulter, Liz Boulter, Bruce Boulter, Robert Boulter



THE LINDA STRANGIO EDITOR'S AWARD

Each year the Association for Radiologic and Imaging Nursing (ARIN) presents the Linda Strangio Editor's Award for an article that makes a substantial contribution to radiology nursing literature in the Journal of Radiology Nursing (JRN). The award is named in honor of past editor Linda Strangio for the excellence she provided to ARIN and the Journal of Radiology Nursing. This year the Linda Strangio Editor's Award presented for the best Journal of Radiology article of the year went to **Adelaide L. Eichman, MD, Angela Karakachian, MSN, RN and Kathleen Sekula, PhD, PMHCNS, FAAN** for the article Understanding the Importance of Radiology Screening When Suspecting Child Abuse in June 2017 edition of JRN.

NEC-ARIN SPRING SEMINAR 2018



ARIN is Pleased to Announce
NEC-ARIN SPRING SEMINAR
SATURDAY, April 7, 2018
TIME: 7:30 AM - 1:30 PM

Will be hosted at:
Gordon Building
29 Mall Road,
Burlington, MA 01805
(Adjacent to Lahey Hospital and
Medical Center, Free Parking)

Concurrent Sessions: Times and Sequence to be announced
day of conference
07:30 - 08:00:
Registration
Networking
Continental Breakfast

Central Venous Access

Yaralia Kelleher, MS, PA-C, Brigham Health

Women's Health in IR

Dr Gloria Salazar, Medical Director Outpatient Interventional Radiology
Department of Radiology Massachusetts General Hospital West,
Co- Director Massachusetts General Fibroid Program Department
of Radiology and Department of Obstetrics and Gynecology
Massachusetts General Hospital Massachusetts General Hospital

Speaking up in Real Time

Dr. Alexandra Penzias, DNP, MEd, ACNS-BC, CEN
Massachusetts General Hospital

Value of Simulation in IR

Dr Gloria Salazar & Alexandra Penzias, DNP, MEd, ACNS-BC, CEN.
Massachusetts General Hospital

Lunch and Learn: Hot topics in Radiology

Wrap up and Evaluations 1:15-1:30 pm

Open Chapter Meeting to follow

Register at:

<http://www.necarin.com/new-events>

For more information please [Click here](#) for the Official Flyer

Application of 4.5 contact hours has been submitted by The Catholic Medical Center Department of Education, Professional Development and Nursing Research is an approved provider of continuing nursing education by the Northeast Multi-state Division, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

ARIN BOARD OF DIRECTORS 2018-2019



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Bruce Boulter, BS



ARIN Board 2018-2019



2018 SPRING SEMINAR

APRIL 21, 2018

Rainbow Babies and Children's (RB&C) Amphitheater

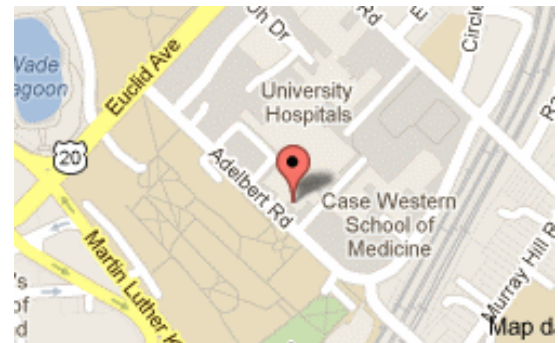
University Hospitals Cleveland Medical Center

11100 Euclid Avenue, Cleveland, Ohio 44106

DIRECTIONS: Please visit: www.uhhospitals.org

PARKING: We suggest the Adelbert Road Garage located next to RB&C Hospital.

Parking fee/voucher will be provided by University Hospitals Department of Radiology



REGISTRATION: Deadline **April 17, 2018**. Complete registration form on the back.

OUTCOME: To gain knowledge and be better prepared to manage Y90 treatments, understand the value of imaging techniques in relation to trauma, and discuss the management of DVT and mesenteric ischemia.

QUESTIONS: John Shrewsbury 440-897-1830 or Sue Newbrough 330-375-7621

PRESENTERS:

- **Mohammed Al-Natour, MD**
Clinical Assistant Professor, Radiology
University Hospitals Cleveland
- **George Gordon**
BTG Territory Manager
- **Vanessa Ho, MD**
Surgery, Critical Care
MetroHealth Medical Center
- **Michael Russell**
Clinical Sales Representative
Galil Medical Inc.
- **Sidhartha Tavri, MD**
Assistant Professor, Radiology
University Hospitals Cleveland

Criteria for successful completion include attendance of the entire event and completion of an evaluation form. The planning committee/faculty/content reviewers have no conflicts of interest relating to this event.

University Hospitals is an approved provider of continuing nursing education by the Ohio Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. (OBN-001-91) (OH-003, 05/01/2020).

Contacts Hours: 4.25

Registration Deadline April 17, 2018

April 21, 2018 Agenda

7:00am to 7:45am - Registration / Continental breakfast - Rainbow Community Room

7:45am to 8:00am - Welcome and introduction of speakers - **John Shrewsbury**/ORNA President - Rainbow Amphitheater

8:00am to 9:00am - **George Gordon and Michael Russell**- Rainbow Amphitheater
Why Y90 and Ablations

9:00am to 10:00am - **Dr. Vanessa Ho** - Rainbow Amphitheater
Trauma Radiology: A Surgeon's Perspective

10:00am to 10:30pm - **Break and Vendor Visitation** - Rainbow Community Room

10:30pm to 11:30pm - **Dr. Sidhartha Tavri** - Rainbow Amphitheater
Management of Venous thromboembolism

11:30pm-12:30pm - **Dr. Mohammed Al-Natour** - Rainbow Amphitheater
Endovascular Management of Mesenteric ischemia

12:30 - 12:45 - **Conclusion** - Rainbow Amphitheater