

Year in Review



Bruce Thompson, left, meets Dareus Brown for the first time Jan. 12 as part of a first-of-its-kind internal living-donor kidney transplant chain involving two donors and two recipients at MUSC Health. The act saved two lives and created countless friendships. *Photo by Sarah Pack*

6 Patient defies odds
Patient with half a brain
lives life to fullest.

12 Vaping
Researchers share
important message.

4 MUSC Innovators
5 Meet Amy Connolly
8 Year in Review — 2018

Taking a low-tech road may be better when it comes to toys

By HELEN ADAMS

adamshel@musc.edu

Which is a better gift for a young child when it comes to brain development?

❑ A bag of old-fashioned building blocks made out of wood.

❑ An electronic device that lets the child put together colorful virtual blocks with a swipe of the finger and makes fun noises.

They may not sound like as much fun, but the old-school wooden blocks may be the smarter buy. That's according to researchers in a new report in the American Academy of Pediatrics' journal "Pediatrics."

MUSC Children's Health pediatric critical care specialist Elizabeth Mack is a spokeswoman for the AAP. "Select a toy or gift that promotes interaction with other children or parents, that leads to joint attention."

Joint attention, when two people are focusing on the same thing and interacting with each other, starts to develop when a baby is 5 months old. Areas all over the brain are involved as the child begins to understand

how to control his or her attention and actions and what others are doing during their social interactions. Problems with joint attention are linked to neurodevelopmental disorders.

Mack says it's something to think about as you shop for toys this holiday season. "Making the child feel loved, appreciated and understood is very important. Toys that lead to in-person human interaction foster these important connections. This starts at a far younger age than we ever imagined before.

As children get older, their developmental needs change. Screen time is part of most schools' curriculum now, with kids using technology in the classroom and for homework. But Mack says parents still need to keep an eye on things.

"When you look at a child engrossed in electronics, it's as if nothing could distract them. That is a testament to how much our brains are really engaged with electronic devices. What would they be doing if they weren't watching a movie or playing a game on a phone? Would they be looking at nature or reading a book or something that's healthier for brain development?"



Photo provided

Do kids' brains develop better with this kind of play or media-driven activities?

American Academy of Pediatrics' Tips

The AAP report, "Selecting appropriate toys for young children in the digital era," has some other key information for parents.

❑ Virtual toys are sometimes marketed as educational when there's little or no evidence to back that up.

❑ The line between traditional and virtual toys has blurred. Toys can now do things humans would normally do, like read stories aloud.

❑ Screen time means less time for active

play and may mean a higher risk for obesity.

❑ Right now, there's no evidence showing interactive media are as good for kids as active, creative, hands-on play with traditional toys.

❑ There are smartphone apps designed to increase social and physical interaction, but we need long-term studies to look at what effect they have.

Hearing research study seeks adults, 55 years-plus

The Department of Otolaryngology – Head and Neck Surgery is seeking adults ages 55 and older with normal hearing or hearing loss to participate in a hearing research study.

Payment for participation is provided.

For more information or to set up a screening appointment, call 843-792-7977 or email edwam@musc.edu.

MUSC CATALYST
news

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MUSC Catalyst News on holiday break

The MUSC Catalyst News will not be published Friday, January 4, 2019 and will resume its bi-monthly publication schedule on Friday, January 11.

To share news, story ideas or for information, email or call Cindy Abole, editor, at Catalyst@musc.edu or 843-792-4107.

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HOLLINGS CANCER CENTER CELEBRATES 25 YEARS



Employees from across campus came out to the MUSC Portico Dec. 12 to enjoy festivities celebrating the 25th anniversary of MUSC's Hollings Cancer Center. Participants were invited to sign a commemorative anniversary sign honoring a friend or a loved one diagnosed with cancer, capture a moment in the photo booth, enjoy the pet and art therapy activities, sip hot chocolate, sign up for health screenings, learn more about clinical trials and more. The cancer center also celebrated its recent accomplishment of MUSC Health being named No. 24 in treatment of cancer in U.S. News & World Report.



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Campus launches new MUSC innovator campaign

Sponsored by the Office of Innovation, the “I am an MUSC Innovator” campaign is designed to raise awareness of the many forms that innovation can take, to inspire others and to publicly recognize individuals/teams that are making an impact. Each quarter, the campaign will showcase innovative educators, researchers, care team members and service team members that have been nominated by a college dean, department chair, administration or innovation support team. For additional information, contact Jesse Goodwin, Chief Innovation Officer (goodwijs@musc.edu).

Walter G. Renne, DMD, College of Dental Medicine
 Nominated by: Dean Sarandeep Huja, DDS, Ph.D., Dental Medicine
 Problem: new technology can enhance patient care and experience
 Innovation: Incorporation of Digital Dentistry focus into CDM
 Impact: international recognition for educational program; better trained students



Walter G. Renne, DMD
Professor,
Assistant Dean for Innovation & Digital Dentistry
James B. Edwards College of Dental Medicine

Donna Kern, Medicine
 Nominated by: Dean Ray DuBois, M.D., Ph.D., College of Medicine
 Problem: traditional model for medical education has not changed in decades



Donna Kern, M.D.,
Associate Professor,
Senior Assistant Dean for Patient Safety
College of Medicine

Innovation: Led the team that developed the 3-Year FLEX curriculum
 Impact: opportunities for students to tailor their learning to their interests and future career specialties.



Na Jin Seo, Ph.D.,
Associate Professor,
Division of Rehabilitative Sciences-Occupational Therapy Program,
College of Health Professions

Na Jin Seo, Ph.D., College of Health Professions
 Nominated by: Dean Zoher Kapasi, Ph.D., PT
 Problem: stroke recovery is life-long process

See **INNOVATORS** on page 13



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*Marked areas have toner drop offs

2-4119

MEET AMY



Amy Connolly

Department and how long at MUSC
College of Graduate Studies; 24 years

How are you changing what's possible at MUSC

Being part of the support team for the CGS students while they are learning to be the best researchers and doctors they can be

Pets

George, a rescued lab mix

What inspired you to be on the MUSC Angel Tree Committee

For 25 years, my daughter and I would adopt a family at Christmas. Working with the Angel Tree project was an opportunity to help even more children and families

Your idea of a dream vacation

Cruise around Italy and the Greek Isles

Favorite holiday movie

It's a tie between The Polar Express and The Santa Clause.

Greatest moment in your life

When my daughter received her master's degree in Physician Assistant Studies

EXPERIENCES OVER STUFF

*Offers MUSC Employee and Student Discount
This holiday season, don't purchase items that will be thrown away. Spend money on memories that will last a lifetime. Use this list of local suggestions as a guide to find new and exciting experiences to gift to your friends and family!

<p>WELLNESS</p> <ul style="list-style-type: none"> Barre Evolution* Breathe Pilates* Holy Spokes* Longevity Fitness* Planet Fitness* Facial Therapy* Tropical Tan* <p>SHOWS & SPORTS</p> <ul style="list-style-type: none"> Riverdogs Tickets Comedy Show at Theater 99 Exclusive Fishing Charters Dock St. Theater Charleston Symphony Ghost Tour with Bulldog Tours <p>Full discount details at https://www.musc.edu/medcenter/perks/index.html</p>	<p>ADVENTURE</p> <ul style="list-style-type: none"> Biltmore Estate* Carowinds* Charleston STAGE* Great Wolf Lodge* Kings Dominion* Zipline Adventures Six Flags Charleston Outdoor Adventures Charleston Dive Locker SCUBA Cert Wild Blue Ropes Course Skyzone <p>LEARNING & ART</p> <ul style="list-style-type: none"> Wine & Design* Riverbanks Zoo & Garden* South Carolina Aquarium* Dance Lessons at DANCEFX Pottery Class at Clay Cottage Fort Sumter tour
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*MUSC.EDU/GOGREEN RECYCLE@MUSC.EDU

This is not by any means a full list, just a compilation of suggestions.

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Patient defies odds, living with half a brain

Patient reunites with neurosurgeon after 34 years

BY CINDY ABOLE

aboleca@musc.edu

Christina Foxworth has lived a “glass half-full” life.

The Andrews, South Carolina, native lives a normal life. Foxworth drives a car. She cleans and does housework. She helps take care of her young cousin, Hailey Mihalakis, after school. She even works with her mother in the family construction business, answering phone calls and working on the computer.

Thirty-nine years ago, no one could have predicted that she could do these things and more, living with half a brain.

A recent chance encounter brought the neurosurgeon who saved Foxworth’s life back together with his patient. Foxworth and her mother, Anita Mansfield, were sitting in the waiting room of a Lowcountry podiatrist’s office when she recognized a familiar voice.

“That’s Dr. Vera,” she whispered to her mom. They approached Cristian Vera, M.D., and his wife, Mara Calderon, Ph.D.

The unexpected meeting left Vera speechless. He hadn’t seen his patient in about eight years; it had been 26 years since Foxworth’s hemispherectomy surgery. “Seeing her was both a surprise and remarkable. She’s beautiful,” said Vera of his former patient at a Nov. 15 neurosurgery checkup at MUSC Health. “And what is so amazing is that Christina knew me, recognized my accent and voice from memory.”

Foxworth’s story began weeks before her birth. Her mother was pregnant with her first child in 1978. One Friday, she made an unplanned visit to her obstetrician in downtown Charleston complaining of sickness. Her doctors believed she was suffering from the flu and sent Mansfield home. Some time later, she was rushed to the emergency room with severe pain



Photo by Sarah Pack

Retired neurosurgeon Dr. Cristian Vera asks Christina Foxworth to squeeze his fingers as he confirms no mirror or voluntary movement in her hand. Foxworth underwent a hemispherectomy surgery in 1984 to treat severe epileptic seizures as a toddler. She celebrates her 40th birthday Dec. 31.

and Christina was delivered via emergency Cesarean section on Dec. 31

At birth, doctors detected an echo in the baby’s heartbeat, possibly caused by the pain

and stress Mansfield was suffering from. Her pediatrician referred them to a specialist who suggested they monitor the newborn’s

See **REUNION** on page 15

David Kent

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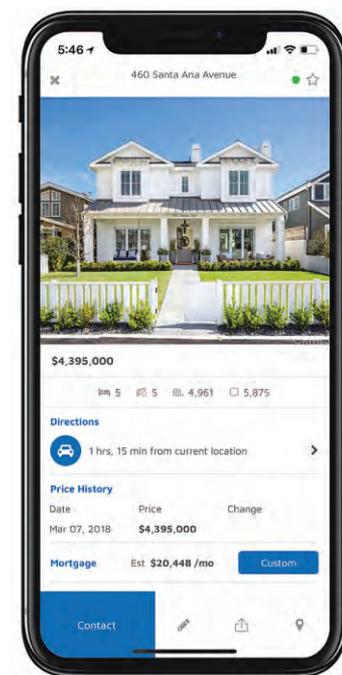


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Heart team helps patient with kids have happier holidays

BY HELEN ADAMS

adamshel@musc.edu

“Oh, man.” Gerard Green looks at the pile of presents in the back of his car, beautifully wrapped by the MUSC Health heart team for his five children.

“It just brought tears to my eyes,” he says later of seeing the generosity of the doctors, nurses and others who got to know him while he recovered from having a left ventricular assist device, or LVAD, implanted.

Nurse practitioner Dawn Pasquarello, DNP, says everyone wanted to get involved when they heard the story of the Ridgeland, South Carolina, man and his family. Green has had heart problems since he was a teenager and has been in and out of the hospital. He stayed at MUSC Health for more than two months this fall, getting the LVAD implanted and recovering.

“He’s a very sweet guy. Very humble. Doesn’t ask for much of anything. Just want the ability to be able to live and take care of his family,” Pasquarello says.

“We gave him the opportunity to live longer. Now to give him the opportunity to have a great holiday season is something we wanted to do. I think what was most impressive about this is how everyone came together. We had people from all areas of the heart team – the VAD team, heart transplant, heart failure – come together to help out. It’s a great feeling to be able to help someone who’s part of our community.”

Ventricular assist device coordinator Leslie Gilbert agrees. “It’s nice when we can give back to our own patients. It’s a really good feeling. It’s what the holiday spirit is all about.”

Green’s wife, Shannon Fields, has been by his side as MUSC Health. They were high school sweethearts. She says



Photos by Son Nguyen

A cart loaded with gifts from the heart team rolls up as patient Gerard Green and his wife, Shannon Fields, watch.

Nurse practitioner Dawn Pasquarello, DNP, RN, was among a team of MUSC Health Heart and Vascular Center staff who helped the Green family enjoy a special Christmas this year.



he has not had an easy time of it lately. “He hasn’t been able to work. Before he got the device, he was short of breath. He couldn’t walk for five minutes. He had to sit down. Now he’s doing well, not short of breath. He can walk upstairs.”

It’s the latest in a series of ups and downs for Green. “It started as a heart murmur when he was in his teens,” Fields says. “Over time it just developed and got worse. This is his third operation. He’s always come here. We just feel comfortable because they know everything about him. They’ve been very helpful with his journey through all this.”

MUSC Health’s Heart and Vascular Center specializes in mechanical circulatory support for people with severe heart failure. Gilbert describes how Green’s LVAD works. “It basically functions as the left side of the heart. The pump

itself sits in the apex of the left ventricle and then, via a graft, it goes up to the aorta and pushes blood out to the rest of the body.”

It will help Green enjoy being a father again. “They’re 11 years old to 7 months,” he says, describing his kids’ age range. The baby, Tanylah, is with him and his wife as they load up the car.

Green imagines how the older kids will react on Christmas day when they see the gifts. “Jaws dropping. They know daddy was in the hospital for the past 3 months. It’s a big toll on them too. But they’re very supportive of me.”

So is the MUSC Health heart team, he says. “I thank them from the bottom of my heart. I’m very grateful for the job that they do.”



The kids aren’t the only ones the heart team thought of. A basket full of holiday goodies will go home for Green and his wife, too.

2018 – A Look Back

"A big part of trauma is what happens outside, before the patient comes in, and the only way to make that better is to reach out like this."

Dr. William DeVoe on the Stop the Bleed program that trains school nurses in combat-style care.



90%

More than 90 percent of people surveyed about e-visits had a positive experience.

\$276.5 million

MUSC set a new record in biomedical grant funding, leapfrogging over the previous record of \$259 million.

"Microhospitals offer a patient-friendly care model that drives high-quality care, a compassionate and premium patient experience and higher patient satisfaction."

Dr. Patrick Cawley on plans to partner with Beaufort Memorial Hospital to open a microhospital in Bluffton.



'Hanoko' joined the College of Dental Medicine. It's one of 13 teaching robots around the world and first of its kind in North or South America.

"Our global work will be nothing short of transformational."

Dr. David Cole announcing MUSC's partnership with Siemens Healthineers.

Snow!



EJ Wright, a 3-year-old on the heart transplant list, enjoyed the unusual snow in Charleston this January.

"What we want to do is bring medical services that also address a lot of the social determinants that are really important for this community."

Dr. Anita Ramsetty on Google funding work by the MUSC CARES Medical Clinic in rural St. Stephen.

"Our mission is to improve health across the state, and to do that, we need to be in areas across the state."

Matt Severance on MUSC Health's announcement it intends to purchase four community hospitals in Chester, Lancaster, Florence and Marion counties.

"It's a great accomplishment for us, for our state, to be one of the first to do this successfully."

Dr. Kelly Barth on a pilot program to begin medication-assisted treatment for opioid use disorder in the emergency department.

\$5 million

David Stone's gift to his wife, Laura. Their name will be on the NICU floor at the MUSC Shawn Jenkins Children's Hospital.



"This is not a job for these people. This is a calling. Every day, this hospital is creating and doing miracles." – State Rep. Katie Arrington after surviving a car crash.

"We want to establish a new standard."

Dr. Scott Reeves on an MUSC-Clemson research project to create the operating room of the future.

"My main goal is to get him away from the guardrail – by any means possible. If I have to tackle him and pull him away from the wall, that's what I have to do."

Connor Roberson, an MUSC EMT, who talked a suicidal teen off the helipad ledge.

MUSC and Medical University Hospital Authority (MUHA) Board of Trustees held their regularly scheduled meeting to review the institution's progress as the mid-point of fiscal year 2019 approaches.

Among the academic highlights shared with the board, MUSC President David J. Cole, M.D., FACS, noted the organization has received initial accreditation and is seeking applicants for a new Geriatric



Cole

Medicine Fellowship Program. The one-year training program was approved by the Accreditation Council for Graduate Medical Education for two fellowship slots annually with training starting in July

"The new fellowship program will address a critical need in South Carolina by training physicians to become specialists in the care of older adults," Cole said. "This is especially important because South Carolina is one of the most rapidly aging states in the U.S.

In legislative matters, Cole said, "Our organization is committed to expanding access to care through as many avenues as possible. In fact, MUSC team members representing the College of Nursing helped shape Bill 345, which expands the scope of practice for advanced practice nurses in our state. The legislation is designed to help address the shortages in primary care providers by expanding the health care services these specialized nurses are able to deliver."

"The next calendar year will see this institution take unprecedented steps to transform and grow in keeping with the whirlwind of change sweeping through the health care industry," said Charles W. Schulze, CPA, chairman of the MUSC board. "This board is working in partnership, more closely than ever, with the administration to plan thoughtfully and act strategically for the near term and for the future

The recently announced purchase of four community hospitals in Chester, Florence, Lancaster and Mullins is one example of MUSC's forward-looking initiatives focused

on transformation and growth. Earlier this week, South Carolina Gov. Henry McMaster responded to a reporter's question about the proposed acquisition, saying, "I think that's a good idea. The rural areas need health care, and a lot of what MUSC is doing is trying to prevent bad health instead of just fixing it when you have it. They want to try to educate, inform and catch things early with people. We need to do that all over the state. I think that's a step forward.

The governor added, "We are lucky to have a fine institution like MUSC. They're at the top of the list among organizations all over the United States as well as the world. It's good to have that kind of power to be able to bring good medical attention and health care into rural areas, where it's really needed.

Board member Donald R. Johnson II, M.D., read a resolution lauding Mayor R. Keith Summey of the city of North Charleston in acknowledgement of his commitment to children's health, business development and public service. In part, the resolution noted that Mayor Summey has "made it his priority to increase access and improve infrastructure to allow for better health care for all citizens in the Lowcountry. Mayor Summey's vision included leading the charge for North Charleston to generously donate the land that made it possible for MUSC to build a world-class pediatric outpatient care facility to serve the children and the families of the Lowcountry and the state. The Medical University of South Carolina, in grateful appreciation, commends and thanks Mayor Summey for his leadership and his service to MUSC, the Lowcountry and the state. Let it be resolved that the Medical University of South Carolina Board of Trustees, on behalf of its students faculty and staff, declares the North Charleston MUSC pediatric facility to be named the MUSC Children's Health R. Keith Summey Medical Pavilion."



Leone

See **BOARD** on page 14

Shopping, shipping, wrapping, cooking, traveling, feasting and parties. The holidays are often jam-packed, filling up our calendars with fun and festivities. While all that busyness can be energizing and joyful for some, it can be overwhelming, fuel stress and open doors to unhealthy behaviors in others.

This year, though, you have a new tool in your well-being tool belt. By now, you've heard about Imagine U, our MUSC employee well-being program created just for you. "A combination of being happy, healthy and comfortable, well-being is a physical, mental and psycho-social journey of sorts, the arrival at which could well be the antidote to stress, lethargy or disease you're longing for," said Susan Johnson, Ph.D., director of Health Promotion and co-chair of the Imagine U implementation team.

Recently, new Imagine U challenges launched on our MUSC learning platform MyQuest, and you just may find your holiday survival guide in the library of challenges. Here's a sampling of selected challenges that are spot-on for pulling you through some of the potential pitfalls of this hectic season:

Need some support to avoid overeating or making poor nutritional choices?

Under the Nutrition and Weight Management category in the Imagine U module on MyQuest, you'll find challenges like Improving Diet Quality, Moderate Portions of Carbs and Cook a Healthy Recipe.

Need some motivation or easy-to-incorporate ideas in the realm of physical activity?

Under the Physical Activity category, you'll find challenges like Set a Daily Step or Distance Goal, Improve Muscle Mass and Involve the Whole Family in Moving More.

Could you use some guidance on what steps to take to support your future good health?

Visit the Preventive Care category in the Imagine U module to learn how to cultivate sound sleep.

Are you giving enough attention to your emotional well-being?

Check out the Psychosocial Health category and learn about challenges like Learn to Recognize the Signs of Depression, Alcohol Risk Reduction and Practice Positivity.

Imagine U Challenges

Imagine U truly offers something for everyone. Challenges that you can work into your busy life. Challenges that will help move you toward meeting your personal goals and needs. Oh — and did you know you can earn some fantastic prizes by completing just one challenge in many cases?



Health Risk
Assessment

So as you navigate this holiday season, don't forget to give yourself the gift of self-care and well-being. Log on to musc.netdimensions.com, click on 'Browse a Catalog', then scroll down for the Imagine U module to search for your perfect challenge. Here's to you!

MUSC Health leadership talks community hospital acquisition

New facilities will bring value to organization

BY LESLIE CANTU
cantu@musc.edu

Growth is an essential characteristic of life, both in biology and business. That was the message of Matt Severance, MUSC Health chief of affiliations and network development, during an employee Q&A concerning the recent announcement that MUSC Health intends to buy four community hospitals.

MUSC announced Nov. 19 that the board of trustees voted to purchase hospitals in Chester, Lancaster, Florence and Marion counties. For-profit Community Health Systems (CHS) currently owns the hospitals and affiliated outpatient facilities. The deal still must pass through several regulatory and financing mileposts, but leaders should

finalize the deal next year, sometime between March and June.

Severance acknowledged the announcement caught many off guard and said the regulations around the publicly-traded CHS meant leadership couldn't discuss the deal before the board voted. But, he said, the acquisition is perfectly in line with MUSC's strategic plan.

"We're the Medical University of South Carolina. We're not the Medical University of the Lowcountry or the Medical University of Charleston. So our mission is to improve health across the state, and to do that, we need to be in areas across the state," Severance said.

Already, a slim majority of the contribution margin, or the revenues available to pay fixed costs, come from outside the Tri-county

Summary of MUSC – CHS Transaction In South Carolina

Key Takeaway: CHS has a significant presence in the Pee Dee market with a strong complement of the clinical care continuum.

Lancaster/Chester

- Chester Regional Medical Center (82 beds)
- Springs Memorial Hospital (199 beds)
- General Surgery of Lancaster
- Lancaster Imaging Center
- Springs Women's Health
- The Surgery Center at Edgewater

Florence/Marion

- Carolinas Hospital System (310 beds)
- The Women's Center (20 beds)
- Carolinas Hospital System – Marion (124 beds)
- Carolinas Express Care Lake City
- Carolinas Express Care Florence
- Carolinas Medical Alliance¹
- Carolinas Rehabilitation Hospital
- Mullins Nursing Center
- Outpatient Rehabilitation Center
- Physician's Surgery Center
- Marion Wellness Center
- West Palmetto Emergency Center (CON issued)

MUSC Health
Changing What's Possible MUSCHealth.org

Image provided

One of the slides in the presentation leadership is making to employees.

region, Severance said. But there's no guarantee that will continue. Many people in the northern part of the state travel to North Carolina to either Duke Health or UNC Medical Center, he said. MUSC needs to plant its flag beyond the Lowcountry and take

advantage of its good reputation in the area by extending its services.

Severance said the expansion would open up opportunities for additional academic

See **HOSPITALS** on page 13

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School highlights possible hazards of vaping, Juul

By HELEN ADAMS

adamshel@musc.edu

The lecture, "Vaping, Juuling and drugs" at a private girls' school in Charleston, couldn't have been timelier. Just a week after the Dec. 10 talk at Ashley Hall, a study is out showing the percentage of 12th graders across the country who vaped in the last month leaped from 11 percent in 2017 to 21 percent this year.

"Very concerning," says MUSC researcher Matthew Carpenter of the Monitoring the Future report. He's a tobacco control scientist and one of two

professors in the Department of Psychiatry and Behavioral Sciences who gave last week's talk at Ashley Hall. The other, Carla Kmett Danielson, specializes in adolescent addiction



Carpenter

"These things are not safe. There are levels of toxicants even in this e-cigarette vapor."

Matthew Carpenter, Ph.D.

prevention and treatment. She also happens to have a daughter who goes to Ashley Hall.

Carpenter and Danielson highlighted how e-cigarettes, including the market-dominating Juul, need to be scrutinized by scientists and discussed by families.

"This is a fast-moving science," Carpenter told the parents. "It's very hard to keep up with this."

While Juul just came on the market three years ago, "It has stormed the e-cigarette industry," Carpenter said. "It's appealing to youth. It's easy to conceal. It looks like a USB drive. There's a very technological feel to this, right? There's sort of a hip or gadget kind of flavor to it."

Questions to ask your children :

- What do you think about vaping?
- Is it something that any of your friends talk about?
- The statistics make it sound pretty common. Have you ever thought about it?
- What about your friends – who and what influences your opinions on vaping?

Parents should also set clear household rules about substance use, Danielson said. "Kids are less likely to use tobacco, alcohol and other drugs if their parents have established a pattern of setting clear rules and consequences for breaking those rules."

- Spell out specific consequences for e-cigarette use
- Involve the child in setting those consequences.
- Write them down.
- Follow through.
- Avoid arguments, threats and lectures.

Also, talk with kids about how to react when someone offers them an e-cigarette or any other substance your family is concerned about. "Practice and role play," Danielson said.

If you realize a child is vaping:

- Ask how you can help the child make a better choice next time.
- Talk about how the vaping came about – what were the circumstances?
- Monitor the child's behavior.
- Review your rules and consequences. Carry out the consequence.
- Get treatment if needed.



Photo by Sarah Pack

Packages of Juul now include a warning about nicotine.

A lot of people – about 2/3 of Juul users aged 15 to 24, according to one recent study – don't realize that it contains nicotine.

"Nicotine is the addictive property of any tobacco product," Carpenter said. "Nicotine is what gets you hooked."

And while he described e-cigarettes as safer than traditional cigarettes, he also noted: "These things are not safe. There are levels of toxicants even in this e-cigarette vapor."

Federal regulators recently called vaping an epidemic and gave e-cigarette companies two months to come up with ways to keep young people from vaping. Juul announced it was pulling flavored products from stores and getting off of social media.

Carpenter wondered aloud if it was too little, too late. "Adolescents are really driving the popularity of this product."

He's encouraged to hear that, the U.S. surgeon general is calling for new local restrictions such as taxes and indoor vaping bans to try to keep young people from using e-cigarettes.

E-cigarettes run on batteries, heating liquid nicotine into a vapor that users can inhale.

The surgeon general says nicotine can affect learning in young people and raise the risk that they will try traditional cigarettes.

So what should parents do to keep kids from vaping, and how should they react if a child does give e-cigarettes a try?

Danielson told the audience at Ashley Hall that parents need to discuss vaping with their kids. "Not talking about it doesn't work. Neither do 'scared straight' programs or signing contracts."

Danielson also presented data on the high prevalence of alcohol and marijuana use from the 2017 Monitoring the Future study, which was funded by the National Institute on Drug Abuse. She said parents can apply her prevention and intervention strategies to those substances as well.

Carpenter hopes the new national focus on vaping, along with local discussions such as the one at Ashley Hall, will have an impact. "I have a simple, take-home message. Anyone, including youth or adults, who is a nonsmoker should be discouraged from using e-cigarettes. Period, end of sentence."

Christmas Eve Observances

Pastoral Care Services | Office of Diversity and Inclusion

Monday, December 24, 2018

**ART Hospital Chapel - 4th floor
8:30 PM - 8:45 PM**

**Children's Hospital Chapel - 7th floor
9:30 PM - 9:45 PM**

**Main Hospital Chapel - 4th floor
10:30 PM - 10:45 PM**

An opportunity for
reflection and celebration.

(Participation is Voluntary)



*Light Dawns
On a Weary World*

MUSC Health
Medical University of South Carolina
Changing What's Possible

HOSPITALS *Continued from Page Eleven*

rotations for all six colleges, and the larger footprint would enable the institution not only to provide subspecialties but also to subsidize some clinical offerings that can't stand alone. The expansion, he said, would also provide new research and innovation opportunities in new geographic regions and in community hospitals rather than in an academic hospital setting.

Severance stressed that the four hospitals are well-run institutions from both a quality and a financial perspective. Revenues from the community hospitals will cover the cost of financing the purchase as well as facilities updates, he said.

"We want to welcome them, make them feel like they're joining a family that respects their history, respects their culture, respects their contributions. I promise you, not all good things are invented at MUSC. There will be things at these hospitals that they do very well that we will learn from," he said.

There are still a lot of details that leaders need to iron out, from the new names for the facilities to whether their staffs will become state employees. Severance said an integration team is defining functional areas, and teams from each of these areas will work to ensure a

smooth transition so that, for example, billing can happen on Day One and facilities can pay employees without interruption.

The CEOs of each institution will report to Patrick Cawley, M.D., CEO of MUSC Health and vice president of Health Affairs, University. MUSC Health also recently hired Bob Harrington, M.D., to serve as chief medical officer of the affiliate network. In this role he'll be the liaison between medical staff on the peninsula and the other sites.

MUSC Health leaders will also offer a webinar for those who could not attend in person.

MUSC Wellness Center to follow holiday hours

MUSC Wellness Center will be open Monday, Dec. 24 from 5:30 a.m. to 1 p.m. and closed Tuesday, Dec. 25 (Christmas Day) and resume regular hours Wednesday, Dec. 26 through Dec. 31.

On Monday, Dec. 31, the center will open from 5:30 a.m. until 1 p.m. and closed on Tuesday, Jan. 1 (New Years Day). Regular hours resume on Wednesday, Jan. 2.

INNOVATORS *Continued from Page Four*

with only finite number of therapy sessions
Innovation: stroke rehabilitation device/app
Impact: patent, startup company, Phase I clinical trial

William Meggett, Mitzi Fetner, Ranada Rivers, Brandon Grimes, David Napier, Emily Mills, Audrey Mack - University Surplus and Asset Accounting, Finance and Administration
Nominated by: Lisa Montgomery

Problem: Manual accounting and scheduling of transfers and surplus

Innovation: Developed online Asset Management - Surplus Module

Impact: Online catalogue, easier accounting, automated reports

Coleen Martin (created with Jennifer Byrne, no longer at MUSC)

Nominated by: Jesse Goodwin

Problem: Lack of infrastructure (wellness committees) in the schools to promote wellness, available resources were arduous and complicated

Innovation: Boeing School Wellness Checklist



Lynn



Daniels



Bullington

Impact: Used by over 250 schools across South Carolina and 25 schools in Pottstown, Pennsylvania

Emily Lynn, Marveta Daniels, Jessica Bullington, Medical Acute Critical Care Servie Line, MUSC Health
Nominated by: Nursing New Knowledge & Innovation Council

Problem: Limited opportunities for social interaction and communication for patients in TCU

Innovation: Implementation of transitional care patient activity sessions

Impact: Improved opportunities



Ed
HUNNICUTT
REAL ESTATE TEAM

BOARD *Continued from Page Ten*

In other board presentations, Gustavo W. Leone, Ph.D., director of Hollings Cancer Center, said he's thrilled that MUSC Health was named by U.S. News & World Report as one of the nation's top 25 hospitals in the treatment of cancer.

"We are honored, privileged and committed to fulfill the expectations of being one of the very top-tier cancer centers in the nation," Leone said. "We have arrived as a leading academic institution, delivering impactful scientific discoveries and the highest quality cancer care at Hollings Cancer Center in a culturally diverse population. Such success is fueled by brilliant researchers, physicians and our expert staff."

To read more about Hollings Cancer Center, visit: <https://web.musc.edu/about/news-center/2018/08/14/hcc-celebrates-ranking-as-one-of-the-nations-top-25-hospitals-in-cancer-treatment>

□ In Development and Alumni Affairs, during the first half of fiscal 2019, which began July 1, MUSC has raised more than \$11.5 million in new gifts and pledges. While contributions were made to a broad variety of MUSC programs and departments, a significant portion of the funds were donated to support the MUSC Shawn Jenkins Children's Hospital. Since the July 2014 launch of the fundraising campaign for the new children's facility, MUSC has raised more than \$138.3 million. Scheduled to open in fall 2019, the \$385 million hospital will provide the most technologically advanced facilities available for the children of the city, state and region.

□ Anton Gunn, chief diversity officer and executive director of Community Health Innovation for MUSC Health, provided a thorough update of the institution's progress toward its goal to Embrace Diversity and Inclusion. Among the highlights Gunn shared information on:

- MUSC's receipt of the Higher Education

Excellence in Diversity (HEED) Award for Health Professions from Insight Into Diversity magazine.

- The success of the second annual Inclusion to Innovation conference, which drew more than 80 participants from across the country in November.
- Efforts to recognize and mitigate unconscious bias in hiring.
- The 24th annual call for nominations of students, faculty and staff for the Earl B. Higgins Leadership in Diversity and Inclusion Award.
- The launch of an enterprise-wide plan for digital accessibility to comply with federal requirements.
- Initiatives to recognize veterans who are part of the MUSC family, serving as faculty, staff and students as well as those veterans who are patients and visitors.

The MUSC/MUHA Board of Trustees serve as separate bodies to govern the university and hospital, holding two days of committee and board meetings six times a year. For more information about the MUSC Board of Trustees, visit: <http://academicdepartments.musc.edu/leadership/board/index.html>.

MUSC Health and Wellness seeking volunteers for Dec. 22 screening

MUSC Health and Wellness is seeking student and employee volunteers who can help perform blood pressure checks and activities for a community outreach project with Chicora/Cherokee community in the Charleston neck area.

Volunteers should plan to bring your own equipment (stethoscope/cuff). Free lunch is provided. Interested volunteers may email or call Glenda Backman at backman@musc.edu or 843-514-1257.



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REUNION *Continued from Page Six*

development.

Her mother saw changes as Christina grew from infant to toddler. Mansfield noticed that her daughter would drag her left leg when walking and hardly used her left hand which stayed balled in a fist. A brain scan showed a pin-sized hole in the right side of the child's brain. Doctors suspected an in-utero stroke.

By age 2-1/2, Christina was suffering from multiple seizures per hour that caused her to blink her eyes uncontrollably. Medications weren't enough to control them, and the toddler's quality of life was going downhill.

It was then that mother and daughter met Vera and the neurosurgery team at MUSC Health, so the doctors could come up with a plan. Christina was tested to evaluate her epileptic activity. Vera sat down with her mother to review the results.

At the time, a radical procedure was being performed around the country to help patients who suffered from severe seizure disorders. It focused on removing half of a patient's brain or disconnecting it. It was rarely performed in Charleston, but Vera was ready.

He knew that Christina had a chance for a better outcome if the surgery could be performed at a young age so the left hemisphere of her brain could compensate for the loss of the right.

Vera explained what he had in mind: a hemispherectomy and shunt placement, six years later.

He told Mansfield about surgical risks and complications. There could be speech problems and loss of movement and sensory feeling on one side of her daughter's body. He also discussed post-op expectations, intensive care and rehabilitation therapy – and the possibility of a shortened lifespan for the little girl.

"I told Dr. Vera that the only thing I had focused on was Tina since the day she was born and that she will always be my responsibility," said Mansfield. "She's all that I have, so do what you have to do. We're in your hands, Dr. Vera."

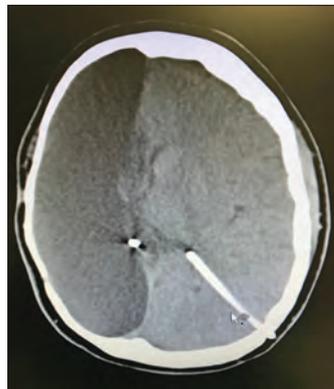
Christina's surgery took 14 hours to complete. Once Vera and his team removed the right hemisphere section, he placed a shunt to regulate drainage of cerebral spinal fluid away from her brain and spinal column.

Mansfield knew there was a chance that Christina might not be able to speak or move right after surgery. But to everyone's surprise, the little girl made an amazing recovery. She was up and around, talking to nurses and remembering the names of family members



Photo by Sarah Pack

Anita Mansfield is moved to tears as she reunites with Dr. Cristian Vera, professor emeritus in the Department of Neurosurgery, from left, Dr. Sunil Patel and Dr. Fraser Henderson Jr. at a Nov. 15 appointment. The MUSC Health's Neurological Surgery team has been involved in the care of Mansfield's daughter, Christina Foxworth, for almost 40 years.



A 2011 scan of Foxworth's brain today. Foxworth went through a hemispherectomy in 1984 removing the right hemisphere of her brain to control severe epileptic seizures that were caused by an in-utero stroke.

who visited her in the hospital. Christina spent about a month in recovery and rehabilitation at MUSC Children's Health.

Back home, Mansfield heeded Vera's advice. He told her to treat Christina just like any other child.

Correction



Editor's Note: On page 1 of the Dec. 7 edition of The MUSC Catalyst News, 2018 MUSC Angel Tree parade grand marshal Shakyra Young, left, was misidentified with the photo of Sha'mari Young, right, who is Shakyra Young's sister.

Mansfield was also realistic about her daughter's medical needs. Living almost 20 miles west of Georgetown and more than an hour away from MUSC Children's Health, Mansfield knew she needed to be ready for anything.

"I adopted the mindset that I had to be prepared if I wasn't near a hospital like MUSC or the availability of medical specialists during an emergency. It gave me a different perspective about my responsibilities, especially to Christina."

Under her mother's watchful eye, Christina thrived. She went to school, studied and did homework – earning As and Bs. She took special education classes at Georgetown High School, attended music concerts and activities with friends, attended prom and successfully graduated.

"What's incredible about this story is that as physicians, we're trained and educated that certain parts of our brain function for this or that and nothing else. But the brain can do so much more. It can adjust to its surroundings. Christina's life after the surgery – living with her mother, being active in the world has stimulated this. The result is a well-evolved left hemisphere of Christina's brain that has given her the life that she lives today. Her story is enormously significant," Vera said.

Looking ahead, Foxworth is excited that she'll be celebrating her 40th birthday in a special way. She'll be treated by her mom and mom's fiancé at the "Dancing With the Stars Live" show Dec. 31 at the North Charleston Coliseum where she hopes she'll have the time of her life.

Supply Exchanges!

Pick up and drop off unused and gently used supplies



Office Supply Exchange

Locations:

Education Center, Library second floor lobby

Clinical Sciences Building Room 909 (CSB909)

Harborview Office Tower second floor next to elevator

97 Jonathan Lucas Street PG1 Hallway.



Lab Supply Exchange

Locations:

Clinical Science Building Room 935

Basic Science Building 3rd floor lobby area. Cabinet is near entrance to Children's Research Institute.

Contents valued on 7/2018 at near \$8,000 worth of lab supplies.

*Only certain items allowed - details at musc.edu/gogreen under 'reuse'

Being Green is an essential part of responsibly managing our resources. Choosing to reuse materials saves money and reduces the environmental impact of production.

MUSC Sustainability and Recycling



Changing What's Possible

BEARDS FOR BABIES SUPPORTS SJCH



Photo by Cindy Abole

Officers with MUSC's Office of Public Safety participated for the fourth year in the Beards for Babies campaign. Throughout November, the group raised \$3,892.55 for the MUSC Shawn Jenkins Children's Hospital. They also received support from sponsors George Sink Injury Lawyers, the Trail Center (North Charleston) and the Fraternal Order of Police—Tricounty Lodge 3.

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