Greetings,

Welcome Spring! Spring is a time to renew the excitement and zest for life that lives inside. Please welcome Stacie Patterson as your next President.

This Association is committed to sharing education that will assist you in your professional career development.

In April, 2018, we will hold our spring annual meeting at Hilton Myrtle Beach Resort in Myrtle Beach, SC. We invite all members from every state to join us. If you are not a member, we invite you to become one!

Lana L. Haecherl
NCAHCS-Past President 2017—2018

“Do what you can, with what you have, where you are.”

Theodore Roosevelt

The NCAHCS-P is now an affiliated chapter of the

International Association of Healthcare Central Service Materiel Management
How well do you know your da Vinci Xi?
Katrina Simpson, M.A., CST, CSPDT, CSIS

Objectives:
Describe the da Vinci Xi
Discuss two categories of robotic instruments
Discuss features of the EndoWrist robotic instrumentation
Discuss reprocessing of the da Vinci Xi

What is the da Vinci Xi?
Millions of patients each year undergo minimally invasive surgery. In fact, per Alemzadeh, Raman, Leveson, Kalbarczyk, & Iyer, (2016),” over 1.75 million robotic procedures were performed in the United States across various surgical specialties”. daVinci robot surgical techniques are considered minimal invasive techniques in which mini incisions are made, rather than larger ones to perform surgical procedures. Some cardiac, colorectal, general, gynecological, Otolaryngology, thoracic, and urological procedures can be done minimally invasive through the use of a surgical robot.

The da Vinci Xi is the latest, improved model of the da Vinci systems. Its creators promise more precision and accuracy which is optimum for patient safety and care. The da Vinci Xi Surgical System offers greater ROM (range of motion) in addition to allowing greater exposure for complex, multi-quadrant surgeries (Coxworth, 2014). Like previous robotic systems, the da Vinci Xi allows for the surgeon to perform surgical techniques while seated at a console within the operative environment. While positioned in the console, the surgeon views real-time 3D HD video output from a camera in the operative environment to perform the specific surgical procedure. Ideally, the console should be situated in the OR next to robot, but surgeons can perform these procedures in another part of the world (Coxworth, 2014). The da Vinci Xi has more intriguing features. Some of the newest features include a more compact camera that offers better clarity, smaller and thinner arms that allow for greater range of motion, and longer shafts to provide extended reaching capabilities (Coxworth, 2014).
**Categories of Instrumentation**

Like the previous models, the da Vinci Xi offers the same categories of instrumentation. Two main categories of da Vinci Xi instruments are referred to as EndoWrist and single-site instrumentation. EndoWrist instrumentation are designed to be used specifically with the da Vinci system in which the system identifies the function and characteristics of the instrument. These instruments also have the following components (Chobin, 2016): release levers, instrument shaft, wrist, end effector, and instrument housing. Single-site instrumentation were designed to be used in an operative procedure that can be done with a single incision. Modeled after the human wrist, EndoWrist instrumentation offer a better range of motion than the human hand can. According to Intuitive Surgical (2018) some of the major features of these instruments include:
- 7 degrees of freedom
- 90 degrees of articulation
- Intuitive and scaling motion
- Instruments with fingerlike-tip controls
- Tremor reduction

When surgeons operate in an open cavity there is always a chance of bleeding which results in the need of controlled hemostasis. The medical term hemostasis can simply be referred to as the active control of bleeding by utilizing sutures, sponges, surgical instrumentation, biochemical mediums, or electrocautery (Fuller, 2018). The da Vinci Xi system has energy instruments that can coagulate, which can control bleeders, cut, and dissect human tissue (Intuitive Surgical, 2018). The system also provides instruments for grasping, vessel clipping, suturing, and retracting. EndoWrist instruments are also available in 5mm. to allow smaller incisions for a variety of surgical procedures and shorter recovery times for the surgical patient.

**Reprocessing Process**

Before reprocessing any instrument, the technician must ensure to review the manufacturer’s IFU’s or instructions for use.
As with any instrument, cleaning is always the first step of the reprocessing process. Robotic instruments required extensive, detailed steps during reprocessing to ensure instrumentation is properly cleaned, decontaminated, and sterilized. There are several steps in the manual cleaning process for robotic instrumentation. Scrubbing, flushing, ultrasonic cleaning, rinsing, and lubricating should be done precisely; use of a washer-decontaminator, disinfector, or sterilizer should not be used when processing these instruments (Chobin, 2016). The da Vinci Xi has similar components as previous models of the da Vinci, but their components do differ enough to have differing cleaning protocols. Per Chobin (2016) information for cleaning these devices can be found at Intuitive Surgical website (http://www.intuitivesurgical.com). The 8mm da Vinci Xi EndoWrist instruments have been validated for automated cleaning in the following automated cleaning systems (Intuitive Surgical, 2014): Belimed WD 290, Gentinge 88 Turbo, Medisafe SI PCF, Medisafe Niagare SI PCF, Miele RobotVario PG 8528Steelco DS 600, 610, and 1000 models. The sterile processing technician must thoroughly review the manufacturer’s instructions before attempting to reprocess these instruments in any of the abovementioned automated cleaning systems. The Prime and Soak cycle of most of these models require a mild, alkaline enzymatic detergent, while the Gentinge 88 Turbo requires a 0.5% neutral enzymatic detergent (Intuitive Surgical, 2014). A flush, spray tip, brush, and rinse cycle is also specified reprocessing steps in the various models.

References


Top 10 Benefits of Drinking Water: Don't Medicate, Hydrate!

Abby Phon

1. Increases Energy & Relieves Fatigue
Since your brain is mostly water, drinking it helps you think, focus and concentrate better and be more alert. As an added bonus, your energy levels are also boosted!

2. Promotes Weight Loss
Removes by-products of fat, reduces eating intake (by filling up your tummy if consumed prior to meals), reduces hunger (hello natural appetite suppressant!), raises your metabolism and has zero calories!

3. Flushes Out Toxins
Gets rid of waste through sweat and urination which reduces the risk of kidney stones and UTIs (urinary tract infections).

4. Improves Skin Complexion
Moisturizes your skin, keeps it fresh, soft, glowing and smooth. Gets rid of wrinkles. It's the best anti-aging treatment around!

5. Maintains Regularity
Aids in digestion as water is essential to digest your food and prevents constipation.

6. Boosts Immune System
A water guzzler is less likely to get sick. And who wouldn't rather feel healthy the majority of the time? Drinking plenty of water helps fight against flu, cancer and other ailments like heart attacks.

7. Natural Headache Remedy
Helps relieve and prevent headaches (migraines & back pains too!) which are commonly caused by dehydration.

8. Prevents Cramps & Sprains
Proper hydration helps keep joints lubricated and muscles more elastic so joint pain is less likely.

9. Puts You In A Good Mood
When the body is functioning at its best, you will feel great and be happy!

10. Saves Money!
Water is FREE! Even if you choose bottled/filtered water, it's STILL cheaper than that high sugar and fat-filled latte!
How well do you know your da Vinci Xi?
Post-Test 2018

1. The da Vinci robot makes it possible to do surgery in a minimally invasive manner.
   TRUE      FALSE

2. Cardiac procedures can be done using the surgical robot.
   TRUE      FALSE

3. The da Vinci Xi Surgical System offers greater range of motion for complex surgical procedures.
   TRUE      FALSE

4. EndoWrist and single-site instrumentation should only be used with the da Vinci system.
   TRUE      FALSE

5. Single-site instrumentation were not designed to be used in an operative procedures with multiple incision sites.
   TRUE      FALSE

6. Modeled after the human wrist, single-site instrumentation, offer a better range of motion than the human hand.
   TRUE      FALSE

7. A major feature of EndoWrist instruments include 90 degrees of freedom.
   TRUE      FALSE

8. EndoWrist instruments are only available in 8mm.
   TRUE      FALSE

9. The Belimed WD has not been approved for automated cleaning of 8mm da Vinci Xi EndoWrist instruments.
   TRUE      FALSE

10. Reprocessing 8mm da Vinci Xi EndoWrist instruments in the Gentinge 88 Turbo requires a 0.5% neutral enzymatic detergent.
    TRUE      FALSE

To receive one CEU credit, complete the quiz and send this page only, via normal mail:
Lana Haecherl
P. O. Box 568
Pineville, NC  28134-0568

Your certificate will be sent via email if your score is greater than 70%. If you are not a member of NCAHCSP, please include a fee of $20.00 along with your Membership Application, found on the website (www.ncahcsp.org). Please allow at least six weeks for processing.

CEU Expiration Date: March 2, 2023

PRINT NAME CLEARLY: ________________________________

E-MAIL ADDRESS: ____________________________________ □ (New e-mail address)
**Mama’s Secret Cake Recipe**  
Vallie Rose Bledsoe

1 box of Duncan Hines Classic Butter Golden cake mix  
1 stick Land’ O Lakes Margarine  
3 large eggs  
1/2 cup water  

Blend all ingredients with a fork.  
Beat with mixer on medium speed for 5 minutes.  
Pour batter into a Wilton cake pan that has been greased with Crisco and floured.  
Drop pan on counter a few times to get air bubbles out.  
Bake in preheated oven at 350°F degrees until the cake leaves the side of the pan and the middle doesn’t jiggle.

**Decorator Icing**  
1 pound of confectioner’s sugar  
2/3 cup Crisco vegetable shortening  
1/2 Teaspoon Wilson’s colorless butter flavoring  
4-5 Tablespoons water  

Blend all ingredients with a fork.  
Beat on high until it’s decorating consistency, adding more water if necessary.
Dear Steamie,

Q. I recently heard that there had been changes to the reprocessing instructions for daVinci robotics. Is this true and where can I get a copy of the updates?

A. You are correct. There are several changes, that include a type of ultrasonic that is no longer validated for reprocessing certain daVinci items. You must follow the revised processing instructions to include parameter specific processes for thermal disinfection and ultrasonic bath.

Please contact your Intuitive Surgical CS representative to obtain a copy of the new IFU's and in-service staff on changes. In addition, videos of all reprocessing steps can be viewed at https://reprocessing.intuitivesurgical.com.

Hope this information is helpful.

Steamie
43rd Annual Spring Meeting and Vendor Exhibition 2018
"Follow the Yellow Brick Road!"

Notes

- Please submit your questions to Dear Steamie.
- Please allow six weeks for CEU processing and plan accordingly.
Future Education Meetings
The Spring annual meeting starts on April 18, 2018 in Myrtle Beach, South Carolina at the Hilton.

The Summer meeting will be held on August 3, 2018 at the Hawthorne Inn in Winston-Salem.

Visit our website www.ncahcsp.org You’ll find details as well as brochures and registration information. We are now IAHCSMM (www.iahcsmm.org) affiliated!
Committees for 2017 / 2018

If you are interested in serving on a committee please contact Lana Haecherl

Education
Stacie Chairperson
Candy
Christi
Phillip Vendor show
Tammy Brochure

Finance
Stacie Chairperson
Officers
Board of Directors

Membership
Paul Chairperson
Don
Laura Worley

Editorial
Lana Chairperson, Newsletter
Tammy Dear Steamy
Katrina CEU development

Public Relations
Karen Chairperson
Amanda

Recognition
Cheryl Chairperson
Louise

Nominations
Christi Chairperson
Don

IAHCSMM
Lana Chairperson
North Carolina Association for Hospital Central Service Professionals will establish itself statewide as the leading educational organization through innovative programs that enhance the development of the Central Service Professionals.
Board of Directors

President: Vacant
Past President — Lana Haecherl
Manager, Medical Equipment & Sterile Services
Carolina Medical Center
P O Box 32861
Charlotte, NC 28232
Phone 704-355-9814
lana.haecherl@carolinashealthcare.org

President Elect — Stacie Patterson
BSN, RN, CNOR
RME Coordinator/SPS Nurse Educator
W. G. (Bill) Hefner VA Medical Center
1601 Brenner Avenue
Salisbury, N.C. 28144
Office 704-638-9000 Ext. 3696
Stacie.patterson@va.gov

Treasurer — Stacie Patterson
BSN, RN, CNOR
RME Coordinator/SPS Nurse Educator
W. G. (Bill) Hefner VA Medical Center
1601 Brenner Avenue
Salisbury, N.C. 28144
Office 704-638-9000 Ext. 3696
Stacie.patterson@va.gov

Secretary — Paul Hess, BSN, RN, CRCST, ACSP
Manager, Alternate Site Facilities, Mail Room and Couriers
New Hanover Regional Medical Center
2131 S 17th St, P.O. Box 9000
Wilmington, NC 28402-9000
Phone 910-343-2142
paul.hess@nhrmc.org

Cheryl Bean
Chief, Sterile Processing
W. G. “Bill” Hefner VA Medical Center
1601 Brenner Ave
Salisbury, NC 28144
Cheryl.bean@va.gov

Don Christenbury
Coordinator, Medical Equipment & Sterile Services
Carolina Medical Center
P O Box 32861
Charlotte, NC 28232
Phone 704-355-9824
Don.christenbury@carolinashealthcare.org

Candy Durant, ST, CSPDT, CSPDM
Supervisor
Duke Eye Center
2351 Erwin Road, Room 352
Durham, NC 2770

Tammy Franklin ST, CSPDT, CSPDM
Sterile Processing Director
Catawba Valley Medical Medical Center
810 Fairgrove Church Rd
Hickory, NC 28602
Phone 828-326-3259
Tfranklin@catawbavalleymc.org

Karen Furr
Assistant Director Sterile Processing
Moore Regional Hospital
PO Box 3000
Pinehurst, NC 28374
Phone 910-715-1081
kfurr@firsthealth.org

Phil Hardin
Supervisor, Sterile Supply Services
Gaston Memorial Hospital
Gastonia, NC 28054
Phone: 704-813-7220

Amanda Parker, CSPDT 17-18 Coordinator,
Central Sterile Processing Scotland
Healthcare System / Scotland Me-morial Hospital
500 East Lauchwood Drive
Laurinburg NC 28343
amanda.parker@scotlandhealth.org

Louise Rahilly, RN
Founder-Board Member Emeritus
2623 Fordham Drive
Fayetteville, NC 28304
Phone 910-485-8296
crah115826@aol.com

Katrina Simpson, MA CST,CSPDT
Program Coordinator Sterile Processing
Fayetteville Technical Community College / UNC Medical Center
PO Box 35236
Fayetteville, NC 28303
Phone 910-678-9786
simpsonk@faytechcc.edu

Christi Tucker, CSPDT
Assistant Manager, Central Sterile Processing
Carolinas Healthcare System - Stanly Regional Medical Center
301 Yadkin Street, PO Box 1489
Albemarle NC 28001
christi.tucker@carolinashealthcare.org

Mailing Address

NCAHCSP
605 VALE DRIVE
WILMINGTON, NC 28411-9484