# Pediatric Surgery Update

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#### Pediatric Perioperative Surgical Care ECHO 2018-2020 Wound Care: The Basics and Beyond 10/17/2019 Cindy Schmitz, APNP

Provided by the University of Wisconsin-Madison Interprofessional Continuing Education Partnership (ICEP)

#### **Intended Audience:**

Primary care physicians

#### **Objectives:**

As a result of this educational regularly scheduled series, learners will be able to:

- Assess and correct physiological and psychological problems that may increase surgical risk for regional pediatric patients.
- 2. Give the patient and significant others complete learning and teaching guidelines regarding the surgery.
- 3. Instruct and demonstrate exercises that will benefit the pediatric patient postoperatively.
- 4. Plan for discharge and any projected changes in lifestyle due to the surgery.

#### **Policy on Disclosure**

It is the policy of the University of Wisconsin-Madison ICEP that the faculty, authors, planners, and other persons who may influence content of this CE activity disclose all relevant financial relationships with commercial interests\* in order to allow CE staff to identify and resolve any potential conflicts of interest. Faculty must also disclose any planned discussions of unlabeled/unapproved uses of drugs or devices during their presentation(s). For this educational activity, all conflicts of interest have been resolved and detailed disclosures are listed below.

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Name/Role	Financial Relationship Disclosures	Discussion of Unlabeled/ Unapproved uses of drugs/devices in presentation?
Jonathan Kohler, MD, RSS Chair	No relevant financial relationships to disclose.	No
Veronica Watson, MSOD, RSS Planner	No relevant financial relationships to disclose.	No
Randi Cartmill, MS, committee member	No relevant financial relationships to disclose.	No
Ben Eithun, MSN, CRNP, RN,. CPNP-AC, CCRN, committee member	No relevant financial relationships to disclose.	No
Cindy Schmitz, APNP, Presenter	No relevant financial relationships to disclose.	No
Kim Sprecker, OCPD Staff	No relevant financial relationships to disclose	No



#### **Accreditation Statement**

In support of improving patient care, the University of Wisconsin-Madison ICEP is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

#### Credit Designation Statements

American Medical Association (AMA)

The University of Wisconsin-Madison ICEP designates this live activity for maximum of 1.0 AMA PRA Category 1 Credits<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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The University of Wisconsin–Madison ICEP, as a member of the University Professional & Continuing Education Association (UPCEA), authorizes this program for 0.1 CEUs or 1 hours.



#### **Claiming credit**

Follow the instructions below, and contact us at projectecho@surgery.wisc.edu with any questions.

1. During the live presentation, you will be provided a code. Text that code to a number we provide you, using a cell phone associated with your registration.

#### Text **VORMOL** to 608-260-7097

(save this number as **ECHO Credit**, it will never change)

2. To view or print your credit letter, log onto to the UW Interprofessional Continuing Education Partnership website using the log on information provided in your registration confirmation email and follow the steps provided.

https://ce.icep.wisc.edu





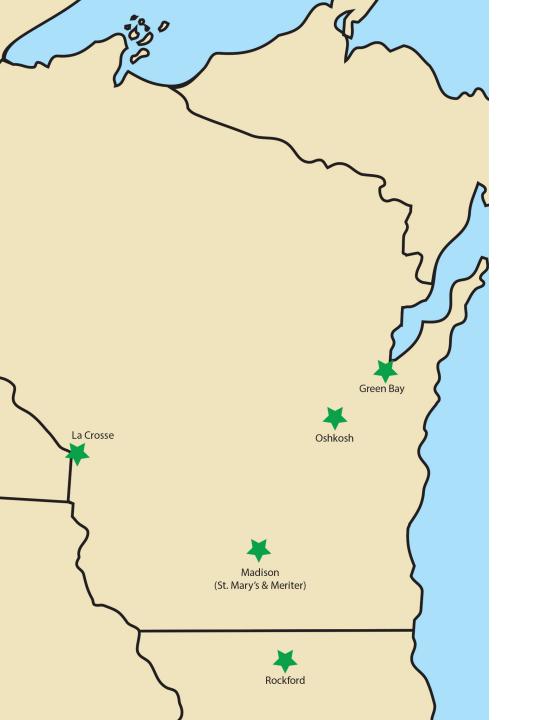
### The Team











# Our Interstate Practice





### My Interstate Practice...



- I have a natural affinity for I-90
- Born in Denver, moved to greater Boston for high school, etc.
- Med school Chicago, residency Seattle/ Boston
- Fellowship Chicago
- Arrived in Madison September 2015















## My Partners

- Chuck Leys
- Peter Nichol
- Hau Le
- Adam Brinkman
- As well as:
  - Jeff Dubois
  - Jateen Patel







# A Maximally Minimally Invasive Practice

- Inguinal hernias
- Gastrostomy tubes
- Pyloric stenosis
- TEF
- CPAM
- Duodenal atresia
- And more!









#### Pectus





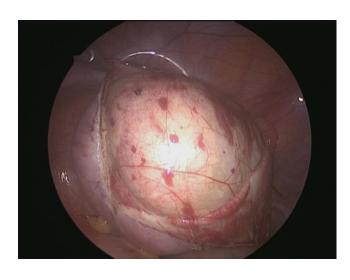


PATIENTS GOING HOME POD #1, USING FEW OR NO OPIOIDS

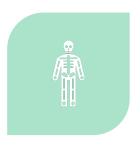








# Peds GYN and Ovarian Masses



BENIGN GYNECOLOGY HAS MOVED TO MERITER



PEDIATRIC SURGERY
HAS ASSUMED
PEDIATRIC GYN
OPERATIONS AT AFCH



PARTICIPATING IN A
MULTI-CENTER TRIAL OF
OVARIAN-SPARING
PROTOCOLS





# Sutureless closure for gastroschisis

















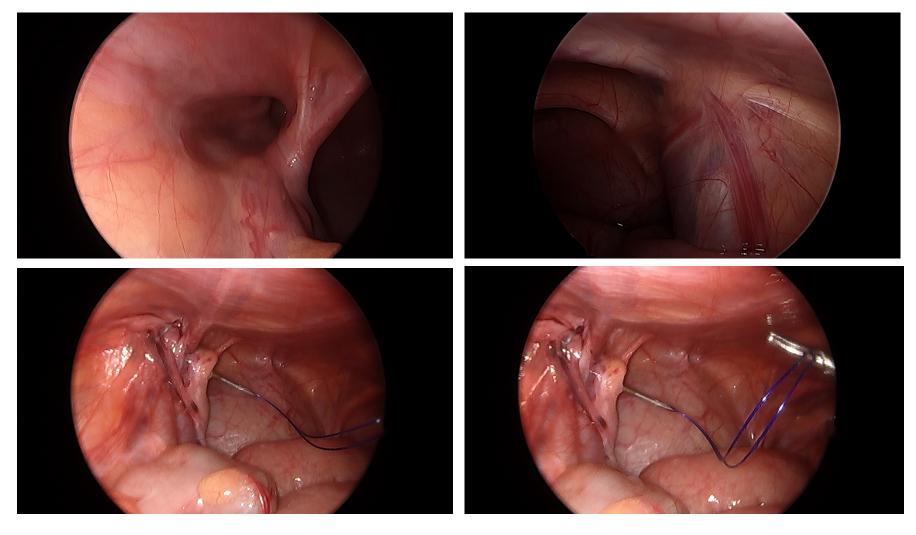
### **Appendicitis**

- ~90% diagnosis with ultrasound
- Quick MRI for abscess/SBO
  - 5 minutes
  - No sedation
  - No contrast
  - No radiation





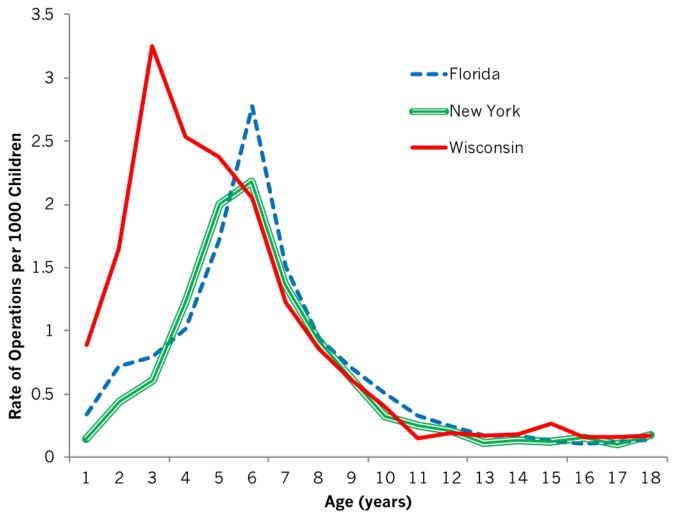
# Inguinal Hernias







### **Umbilical Hernias**







## Pilonidal Disease – The Old Way









## Pilonidal Disease – The New Way

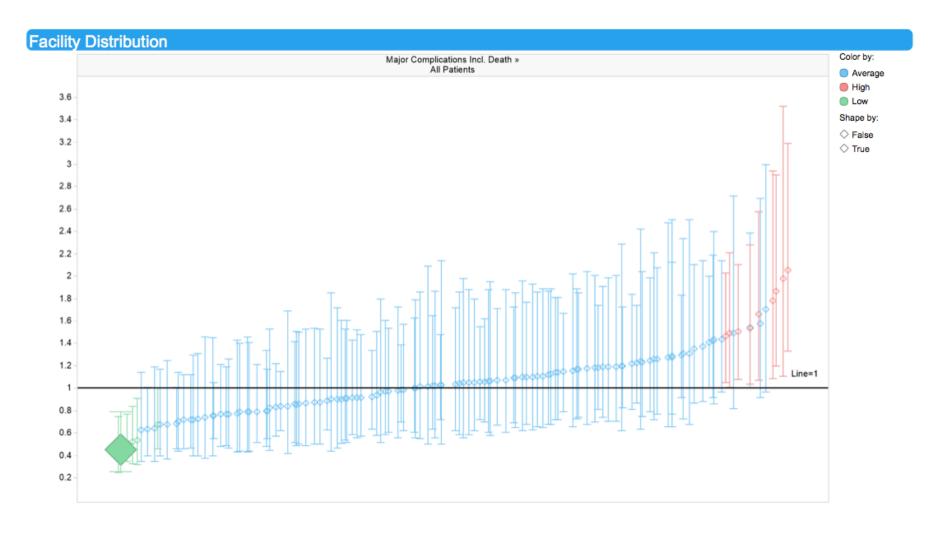








### Pediatric Level 1 Trauma



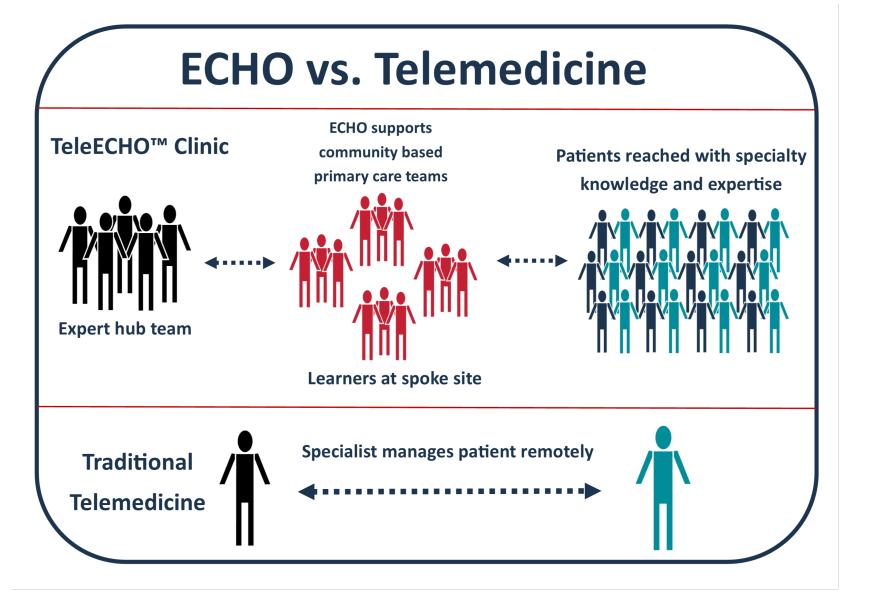






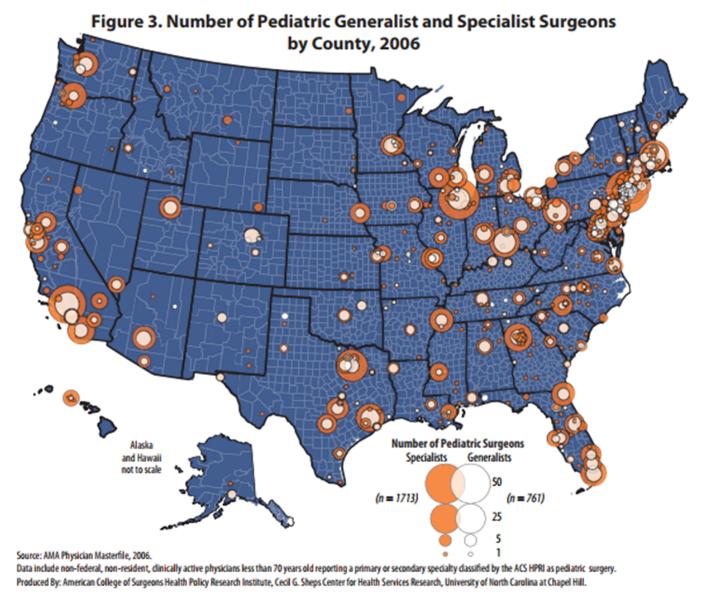
# An Academic Practice

- Health communications
- Bioengineering
- Collaborative learning
- GI physiology
- D&I
- Deimplementation
- Clinical trials













# CSV is coming...

Importance of forming cooperative relationships between surgical centers to optimize resources and flow between hospitals

Rural hospitals should have access for consultation from larger children's centers



## ECHOs ECHOs Everywhere



- PEC
- SICK
- ACCEPT
- Endo?
- Autism?
- More?







Safer Prescribing of Opioids after Trauma and Surgery

SCWisconsin.org/









SPOTS offers a series of online courses for health care professionals who care for adults and children experiencing surgery or trauma and are concerned about the safe use of opioid for pain management. Particpants receive free Opioid CME credit.

View sessions online:

https://bit.ly/2khvndw



#### INTRODUCTION TO THE ROLE OF PRESCRIPTION OPIOIDS IN THE OPIOID CRISIS

Dr. Alaa Abd-Elsayed

#### OPIOID PRESCRIBING FOR CHILDREN AFTER SURGERY OR TRAUMA

Drs. Jonathan Kohler, Timothy Casias, and Jared Hylton

#### OPIOID PRESCRIBING FOR SURGERY AND TRAUMA IN THE EMERGENCY DEPARTMENT

Drs. Mike Repplinger and Benjamin Schnapp

#### OPIOID PRESCRIBING FOR PATIENTS WITH CHRONIC OPIOID USE DISORDER

Drs. Randy Brown and Elise Wessol

#### OPIOID PRESCRIBING FOR ADULTS AFTER SURGERY OR TRAUMA

Dr. Hee Soo Jung

#### PRESCRIPTION OPIOIDS IN THE PRE-HOSPITAL SETTING

Dr. Michael Lohmeier

OPIOID PRESCRIBING BY PRIMARY CARE PROVIDERS FOR PATIENTS AFTER SURGERY OR TRAUMA

Dr. Alison Miller





# SCW/WHIO DATA: Opioids in Kids Getting Simple Operations

	Tympanostomy & Myringotomy	Circumcision	Closed Reduction Percutaneous Pinning, Elbow	Laparoscopic Appendectomy	Tonsillectomy/ Adenoidectomy	Umbilical Hernia Repair
Number of Cases	8346	29,365	479	1,707	2,188	659
Percent Opioids Fills n(%)	787 (9.4%)	773 (2.6%)	363 (75.8%)	1034 (60.6%)	1546 (70.7%)	367 (55.7%)
Percent with Second Fill (within 30 days)	5.6%	3.1%	11.3%	6.1%	10.2%	1.9%
Mean Age (SD)	3.4 (3.0)	0.1 (1.1)	5.8 (2.4)	12.0 (3.5)	8.4 (4.6)	5.2 (3.5)
Median Age (IQR)	2 (1-5)	0 (0-0)	6 (4-7)	12 (10-15)	7 (4-13)	4 (3-7)





## Codeine is still everywhere

	Tympanostomy	Circumcision	<b>Closed Reduction Percutaneous</b>	Laparoscopic Appendectomy	Tonsillectomy/	<b>Umbilical Hernia</b>
	& Myringotomy	on carrioloron	Pinning, Elbow		Adenoidectomy	Repair
Codeine	9.5%	15.5%	10.7%	11.4%	3.5%	4.4%
Hydrocodone	33.6%	12.3%	21.8%	45.7%	50.7%	12.5%
Hydromorphone	0.0%	0.0%	0.3%	0.1%	0.0%	0.0%
Meperidine	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
Methadone	0.4%	1.2%	0.0%	0.1%	0.0%	0.0%
Morphine LA	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Morphine SA	1.0%	1.6%	0.0%	0.5%	0.1%	0.8%
Oxycodone SA	54.5%	69.0%	66.9%	41.2%	45.2%	82.3%
Tramadol SA	1.0%	0.4%	0.0%	1.1%	0.5%	0.0%







