

## Important Updates

### Finances

- CORTICES fund open for membership contributions of \$5,000 (501c3, tax deductible donation) - contact Emily for instructions (email included in this newsletter)
- We have constructed a Financial Letter explaining CORTICES that can be shared with your institutions to help secure funds (Please see the end of this newsletter for a copy)
- Our goal is to have all members secure funding by the **November Meeting**

### November Meeting Details!

- **When:** November 3<sup>rd</sup> and 4<sup>th</sup>, 2017
- **Where:** San Diego, CA ☀
- Additional details available on the CORTICES Dropbox
- **Contact Salil Upasani (vupasani@rchsd.org) with questions**

## ATTN: Study Proposal Form (SPF)

**Due by Friday, October 13<sup>th</sup>**



**Description:** The SPF is **required** for submission of CORTICES study ideas for the 2018-2019 year.

**Submission:** Please submit to the CORTICES Research Committee (Keith Baldwin, Rachel Goldstein, Ying Li; contact information located on the form, at the end of this newsletter)

**Evaluation & Selection:** The Research Committee will evaluate submissions by the November Meeting and will choose a subset for the CORTICES group to move forward with during the 2018-2019 year.

*\*Note\*: additional time will be set aside at the November meeting for discussion of ideas that were not formally submitted. However, individuals who submitted an SPF will be given priority.*

## Future Directions

- Data Use Agreement
  - The Contracts Office at Boston Children's Hospital is working on developing a Data Use Agreement that will allow CORTICES to:
    - Execute one agreement for all **FUTURE** studies through one central location
  - Wording of the agreement is being finalized by the CORTICES Board of Directors
- Data Manager
  - The Musculoskeletal Infection Database includes an enormous amount of data from centers across the U.S.
  - This data needs to be accurate before we disseminate so that we can be confident in our message and more efficiently execute studies
  - Boston Children's Hospital is considering hiring a Data Manager for the MSKI Database and future CORTICES databases



## Accomplishments

### 3 CORTICES POSNA Abstract Submissions



- MSKI Study, **17 centers** (2 submissions): Burden / regional differences in consultation and causative organisms in MSKI (Jon Schoenecker)
- Floating Knee, **7 potential centers**: Injury and treatment pattern of pediatric floating knee injuries ( Keith Baldwin)

### CORTICES Website

- Megan Mignemi and Jaime Rice Denning have worked to create a CORTICES website @ <https://dev.cortices.org>
  - Look but don't touch – still under construction!
  - **Username:** letme / **Password:** inplease
- If interested, send suggestions to Megan.Mignemi@vanderbilt.edu and Jaime.Denning@cchmc.org

## Study Opportunities

### Acetabular Fleck Sign (Allan Beebe, Nationwide Childrens)

- Primary study aims:
  - Determine the incidence of dislocations in children and incidence of “fleck sign”, the incidence of labral tears, and operative / nonoperative outcomes
- Contact Allan.Beebe@nationwidechildrens.org

### DVT / PE (Ben Shore, Boston Children's Hospital)

- Primary study aims:
  - Determine the ortho-specific risk factors for pediatric DVT / PE (Using a registry)
  - Use risk factors to create a screening checklist for DVT/PE related to Peds ortho
- Contact Benjamin.Shore@childrens.harvard.edu or Emily.Rademacher@childrens.harvard.edu

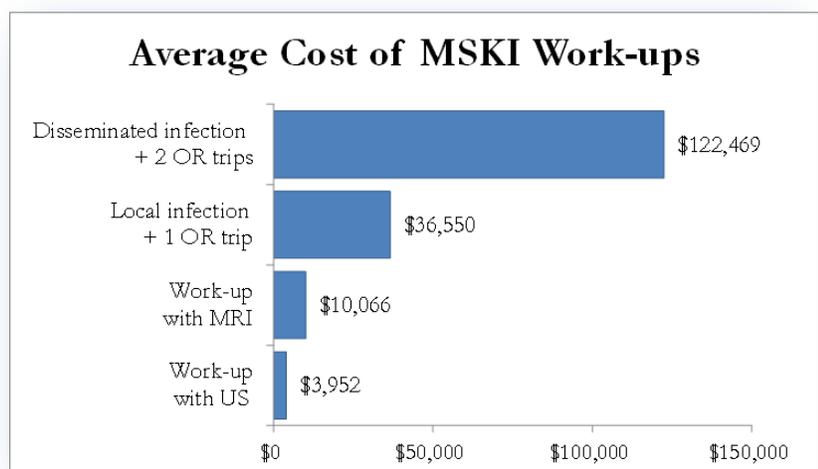
## Infection Study Summary

### ➤ Tier 1 Summary (courtesy of Jon Schoenecker)

The POSNA infection directed grant ended in June. 17 CORTICES centers retrospectively reviewed a minimum of 1 year of patient charts from 2010-2016, reporting the annual number of ED visits, orthopaedic consultations, MSKI related-consultations, patients with positive blood or tissue cultures, and speciation of positive blood and tissue culture results. Considerable regional differences in consult burden and causative organisms were identified.

### By the Numbers

- **17** sites provided data
- **97,694** pediatric orthopaedic consultations
- **8.3%** of pediatric orthopaedic consultations are related to MSKI (this varies from 2%-15% at institutions across the country)
- **63%** of positive cultures are *S. aureus*, with rates of MRSA varying by region from 9%-38%



# Study Proposal Form

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CORTICES Study Group

Study Proposal Form – Please Complete All Fields

Today's Date:

Project Title:

Principle Investigator, Institution:

Clinical Questions and Specific Aims
1. Primary clinical question
2. Secondary clinical question (if applicable)
3. Specific aim(s) and hypothesis

Key Methodology
1. Prospective, retrospective, QI?
2. Inclusion criteria
3. Exclusion criteria

Outcome Measures

Literature Review
Please provide 2 to 5 resources relevant to your topic.

Submit this completed form to Keith Baldwin ([baldwink@email.chop.edu](mailto:baldwink@email.chop.edu)), Rachel Goldstein ([rgoldstein@chla.usc.edu](mailto:rgoldstein@chla.usc.edu)), and Ying Li ([yli.varban@gmail.com](mailto:yli.varban@gmail.com)).

To Whom It May Concern:

The Children's Oρθopaedic Trauma and Infection Consortium for Evidence Based Study (**CORTICES**) is a multicenter pediatric orthopaedic trauma research group consisting of nineteen participating institutions across the United States. We aim to be at the forefront of pediatric trauma research by conducting multicenter studies that improve the quality, safety, and value of care delivered to children suffering from orthopaedic trauma and infection.

**CORTICES** had its first meeting in Las Vegas at the AAOS in 2015. Over the last three years we have been successful in securing a POSNA directed research grant (\$50,000) to investigate the regional variation and epidemiology of musculoskeletal infection across the United States. To date we have created a working database of over 9,000 pediatric musculoskeletal infections. The results of this research project will have significant impact across the field of pediatric orthopedics. We plan to begin presenting our results from this research over the next 6 months.

In order to help supplement the costs associated with running a multi-center research consortium and maintaining our research databases, we are asking each **CORTICES** institution to contribute a one-time \$5,000 membership fee. As **CORTICES** is currently in its infancy, all of our financial resources will be stored within the Children's Orthopaedic Surgery Foundation (COSF). COSF is a 501c3 organization, whose members include the orthopedic surgeons at Boston Children's Hospital. All contributions to **CORTICES** are tax-deductible and will be directed through COSF to the **CORTICES** research fund.

The Executive Committee of the Board of Directors (5 active members of **CORTICES** from 5 different institutions) will direct the financial distribution and initiatives of **CORTICES**. The first financial initiative of the group is the creation of a website at [WWW.CORTICES.ORG](http://WWW.CORTICES.ORG), where all participating institutions will be recognized with hyperlinked information to each specific orthopaedic department. This website will also promote research organization, study recruitment support, and up-to-date information on study goal and progress. In addition, we plan to use these membership funds to supplement the salary of a data manager for our musculoskeletal infection database, as well as to help monitor future multi-center studies which we plan to begin this fall. Future decisions about funding will be made by the Board of Directors.

Please contact [Emily.Rademacher@childrens.harvard.edu](mailto:Emily.Rademacher@childrens.harvard.edu) if you would like an invoice, a copy of our W9, or have further questions.

Thank you for your time and consideration.

CORTICES Executive Committee

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*Scott Rosenfeld*, Texas Children's Hospital  
*Jonathan Schoenecker*, Monroe Carell Jr Children's Hospital at Vanderbilt  
*Benjamin Shore*, Boston Children's Hospital  
*David Spence*, Le Bonheur Children's Hospital  
*Salil Upasani*, Rady Children's Hospital

CORTICES Institutions

Corresponding Members

Ann & Robert H. Lurie Children's Hospital

*Jay Janicki*

Boston Children's Hospital

*Daniel Hedequist, Benton Heyworth, Travis Matheney,  
Collin May, Benjamin Shore*

Children's Healthcare of Atlanta

*Josh Murphy*

Children's Hospital Los Angeles

*Rachel Goldstein*

Children's Hospital of Pennsylvania

*Keith Baldwin*

Cincinnati Children's Hospital

*Jamie Rice Denning, Charles Mehlman*

Colorado Children's Hospital

*Sumeet Garg, Jason Stoneback*

Emory

*Nicholas Fletcher*

Gillette Children's Hospital

*Andrew Georgiadis, Jennifer Laine*

Le Bonheur Children's Hospital

*David Spence*

Levine Children's Hospital

*Brian Brighton*

Nationwide Children's Hospital

*Allan Beebe*

Rady Children's Hospital

*Salil Upasani, Kathleen Rickert*

Seattle Children's Hospital

*Antoinette Lindberg*

Texas Children's Hospital

*Jaclyn Hill, Scott Rosenfeld*

Texas Scottish Rite Hospital for Children

*Lawson Copley, Brandon Ramo, Anthony Riccio*

University of Michigan

*Ying Li*

Vanderbilt

*Megan Mignemi, Jon Schoenecker*

Washington University in St. Louis

*Mark Miller*