ROCK Updates

Welcoming New ROCK Members

ROCK is incredibly fortunate to officially welcome Dr. Aaron Krych from Mayo Clinic and Dr. Kathryn Bauer from Andrews Institute into the group.

Upcoming Research Coordinator Conference Call

• The ROCK research coordinators will have a second conference call to discuss enrollment for the prospective cohort and RCT at each site and to ensure that all sites are keeping up with data collection at follow-up time points.

Industry/Financial Update

1. Allosource – Commitment for 50K per year (in 25K installments every 6 months) for 3 years.

Future Directions

• Form changes – The prospective cohort forms are undergoing changes to incorporate features requested by industry support, genetic samples, and all focal cartilage defects. Please email Evan (Evan.Bannister@uphs.upenn.edu) with any other suggestions for form changes.

• If you have any announcements or updates that you would like highlighted in the quarterly newsletter, contact Eileen (storeye@email.chop.edu).

Upcoming Events

http://kneecd.org/rock-members/calendar/

ROCK Annual Meeting at PRISM

Texas Scottish Rite Hospital
Dallas, TX

Wednesday January 25, 2017
6-9 PM

Thursday January 26, 2017
9-5 PM

At the annual meeting, the group will review:

• Previous treatment standardization project (led by Ben Heyworth): We will review the diagnostic OCD categories and ensure that we are still in agreement about appropriate treatment options for patients with OCD based upon their age, skeletal maturity, and arthroscopic/MRI stage of the condition.

• Foundation research document: We will review our outcome questions and variables that were developed before the prospective outcomes registry.
### PC Enrollment

<table>
<thead>
<tr>
<th>Site</th>
<th># Enrolled</th>
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<td>Texas Scottish Rite Hospital</td>
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<td>Hospital for Special Surgery</td>
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<td>Penn</td>
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<td>Children's Ortho of Atlanta</td>
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<td>University of MN/TRIA</td>
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If you have any questions, please contact ROCK@uphs.upenn.edu

### RCT Enrollment

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<th># in past month</th>
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<tr>
<td>Penn</td>
<td>Carey</td>
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### Randomization

1. Call Ryan Fallon (office number 857-218-3272 or cell number 207-475-8036) or Greg Myer (cell number 513-404-4382). Details are also available on the ROCK Website.

2. Enroll and randomize yourself (option #1 may not be available without planning ahead)

   1. Enroll patient
      - [https://rockstudygroup.research.cchmc.org/auth/login](https://rockstudygroup.research.cchmc.org/auth/login)
      - Select ‘Enroll patient’ from the tab on top of the page
      - Enter site, Patient ID (only include last 3 digits and laterality)
      - Select ‘Consented’
      - Prompted to enter eligibility criteria, including activity restriction and NWB

   2. Randomize Patient
      - [https://rockstudygroup.research.cchmc.org/auth/login](https://rockstudygroup.research.cchmc.org/auth/login)
      - Must use SURGEON ACCOUNT to randomize.
      - From login, select ‘Patients’ from tab on top of the page
      - Find the patient ID
      - Select corresponding blue ‘Randomize Patient’ button on the right side of the page

### RCT Enrollment Breakdown

**With the increase in enrollment and addition of new sites, BCH will be running an interim analysis of the data collected so far for 1-year post-op IKDC and clinical measures and determining those lost to follow-up to figure out the best time to halt enrollment.**
Case of the Month

- Powerpoint of past cases available at http://kneeocd.org/category/case-discussion/
- Upcoming cases:
  - November: University of Minnesota
  - December: Children’s Mercy Kansas City
  - January: Hospital for Sick Children
  - February: Cincinnati Children’s
  - March: St. Luke’s
  - April: CHOP
  - May: Boston Children’s
  - June: Tennessee Orthopaedic Alliance
  - July: National University of Singapore
  - August: Children’s Hospital of Wisconsin
  - September: Penn
  - October: Connecticut Children’s
  - November: Andrew’s Institute
  - December: Kaiser Permanente

2017

2018

Website Activity

Traffic Updates

- **2,277 sessions** (July=2,054; May=2,336; Mar=2,206; Jan=2,100; Nov 2015=2,180; Oct 2015=2,269)
- **1.77 pages/session** (July=1.73; May=1.53; Mar=1.75; Jan=1.7; Nov 2015=1.7; Oct 2015=1.57)
- **73% new sessions** (July=70%; May=70%; Mar=66%; Jan=72%; Nov 2015=70%; Oct 2015=76%)

Sites before kneeocd.org on google search

- ‘knee ocd’ = 20 (July=13; May=15; Mar=19; Jan=21; Nov 2015=20; Oct 2015=20)
- ‘Osteochondritis dissecans’ = 17 (July=23; May=28; Mar=45; Jan=45; Nov 2015=60; Oct 2015=50)
- ‘knee osteochondritis dissecans’ = 32 (July=25; May=26; Mar=21; Jan=26; Nov 2015=23; Oct 2015=25)
- ‘osteochondritis dissecans of the knee’ = 32 (July=26; May=28; Mar=20; Jan=28; Nov 2015=27; Oct=29)

Recent ROCK Publications

http://kneeocd.org/rock-members/literature-review/

**Long-Term Outcomes after Autologous Chondrocyte Implantation: A Systematic Review at Mean Follow-Up of 11.4 Years.**
Pareek A, Carey JL, Reardon PJ, Peterson L, Stuart MJ, Krych AJ.

**Research in Osteochondritis Dissecans of the Knee: 2016 Update.**
Nepplle JJ, Milewski MD, Shea KG.

**Osteochondritis Dissecans Lesions in Family Members: Does a Positive Family History Impact Phenotypic Potency?**
Gornitzky AL, Mistovich RJ, Aruahene B, Storey EP, Ganley TJ.

**Insights into the Epiphyseal Cartilage Origin and Subsequent Osseous Manifestation of Juvenile Osteochondritis Dissecans with a Modified Clinical MR Imaging Protocol: A Pilot Study.**
Radiology. 2016 Sep 15.

**Pediatric Knee Osteochondritis Dissecans Lesions.**
Cruz AI Jr, Shea KG, Ganley TJ.
International Cartilage Symposium
13th World Congress

Sorrento – Naples, Italy
September 24 – 27, 2016

Dr. Carey and Dr. Krych presented at the ICRS 13th World Congress in Italy last month.

2016 Penn Cartilage Symposium

The Penn Department of Orthopaedic Surgery
PRESENTS

2016 CARTILAGE REPAIR SYMPOSIUM
CELL THERAPIES FOR ADVANCED CARTILAGE REPAIR

APRIL 29 – 30, 2016

International Faculty

James Hui, MBBS, FRCS
Head & Senior Consultant Division of Pediatric Orthopaedics
Director Cartilage Repair Programme
Director of Clinical Services
Department of Orthopaedic Surgery
National University Health System
Singapore

James L. Carey, MD, MPH
Thomas L. Sanders, MD
Ayush Pareek, BS
Nick R. Johnson, BS
Michael J. Stuart, MD
Aaron J. Krych, MD

International Faculty

Lars Peterson, MD, PhD
Professor of Orthopaedics
University of Gothenburg
Gothenburg, Sweden

Henning Madry, MD, PhD
Chair, Experimental Orthopaedics and Osteoarthritis Research
Professor
Saarland University Medical Center
Homburg, Germany

Penn Medicine