

ROCK

Research in OsteoChondritis of the Knee

-Newsletter-
Volume 12 | | November 2015

Upcoming Events and Meetings

www.kneecod.org/rock-members/calendar/

- **Monday 11/23/15: ROCK BOD Meeting, Conference Call**
- **January 27-28, 2016: ROCK Meeting**, San Diego, CA. Meeting is Wed, Jan 27 12-9pm, and Jan 28 7-4pm. Meeting to be held at Rady Childrens Hospital
****Get your hotel reservations for the ROCK Meeting in San Diego ASAP, to take advantage of the ROOM BLOCK**
 - **Hilton San Diego Resort (Mission Bay)**
1775 East Mission Bay Drive
San Diego, CA 92109
Tel: 619-276-4010
- **January 28-30, 2016: PRISM Meeting**, San Diego, CA
 - Same Location as ROCK Meeting
- **March 1-5, 2016: AAOS Annual Meeting**, Orlando, FL
- **April 27-30, 2016: POSNA Annual Meeting**, Indianapolis, Indiana

ROCK Updates

1. Task Force is evaluating REDCAP, as an option for the Prospective Cohort. The RCT is currently using REDCAP. Update at Annual Meeting
2. **Imaging Classification Committee:** The imaging committee has completed the MRI classification system. Next steps to include: 1. Final Review by Image Classification Group 2. Dissemination to all members for review. 3. ROCK Group Review at annual meeting, Jan 2016
3. **Research Funding.**
 - a. **Allosource-** Preliminary commitment for 50K/year for 3 years for unrestricted educational grant. Contract details pending
 - b. **BREG-** Await decision from Reseach Committee.
 - c. **OSSUR-** considering support for Prospective Cohort to study to look at outcomes for unloader braces for OCD treatment. Discussion ongoing
 - d. **MRI Imaging Reliability Study-** Radiologic Society of North American – Grant application may be submitted Jan, 2016, to fund MRI Classification study. Special Thanks to Jutta Ellerman, Greg Myer, Peter Cannamela, for work on this project

In This Issue

PAGE 1-2

UPCOMING EVENTS AND MEETINGS

ROCK UPDATES

PAGE 3

STUDY UPDATES:
IRB STATUS
&
ENROLLMENT NUMBERS

PAGE 4

ROCK WEBSITE
UPDATES

JOURNAL CLUB



ROCK Updates Continued

4. **Image Storage-** Cincinnati Childrens is working to develop a portal, both for reliability research, and for de-identified image storage. Expect more details by Jan, 2016. This may allow us to complete the MRI reliability study at lower cost and offer excellent storage and review for the images from the prospective cohort.
5. **ROCK HOME Page-** Please designate ROCK Website as your home page on your browser. This will increase our web ranking for OCD as a search topic, and increase the chances of patients finding this website when searching for OCD. Those who do so will be eligible for the Jim Carey "Chick-Fil-A Play of the Day Award" at the annual meeting.
6. **ROCK talus/Elbow Expansion-** Discussions with Carl Nissen and Don Bae have started, as we explore the expansion of the PC into Elbow OCD For members with strong interest in these areas, please contact Carl Nissen.
7. **REDCAP-** We will continue to use our Teleform/Optiform based program, but are also looking more closely at REDCAP. A task force has started the review of REDCAP. Will be reviewed with general ROCK membership at annual meeting
8. **RECENT IRB Approvals-** Several of our newest centers have IRB approval, including Childrens Ortho Atlanta, HSS,
9. **Publications:**
 - a. **ROCK Arthroscopy Classification** under revisions for AJSM – Great Work – Jim Carey and all the others who have worked on this project.
 - b. **ROCK OCD Treatment Variation** – Ben Heyworth has (or soon) completed submission to AJSM
 - c. **OCD Adult – Kaiser Database** – Thanks to Jen Weiss, Jeff Kessler, Jake Jacobs and Peter Cannamela for ongoing work on this. Soon to be submitted to AJSM, in final revision stage now.
 - d. **OCD Progression to Surgery** – Submitted to OJSM. Great work by Jen, Jeff, Jake and Peter.
 - e. **OCD Healing Sequence-** Continued efforts by Eric Wall, Greg Myer and Others – Peter Fabricant helped greatly with his review, and feedback on stats/analysis. In final stage of submission to AJSM.
10. **RCT Randomization Process: Trans-articular versus Retro-articular Drilling**
There are two options for Randomization. Please plan ahead.
 - a. Call Kyna Donohue (office number 857-218-3272 or cell number 857-321-1497) or Greg Myers (cell number 513-404-4382). Details are also available on the ROCK Website.
 - b. Enroll and Randomize yourself - because option #1 may not always be available to you without planning ahead for them.
 1. **Enroll patient** (The Research Coordinator will usually have to do this):
 2. <https://rockstudygroup.research.cchmc.org/auth/login>
 3. Select 'Enroll Patient' from the tab on the top of the page
 4. Enter site, Patient ID (just include the last three digits and laterality)
 5. Select 'consented'
 6. You will be prompted to enter eligibility criteria, including course of activity restriction and NWB
 7. **Randomize patient:**
 8. <https://rockstudygroup.research.cchmc.org/auth/login>
 9. **This must be done from the SURGEON account.** The coordinator account does not have access to randomize. Therefore, it may be helpful for coordinators to store the surgeon's login somewhere safe.*
 10. From login, select 'Patients' from the tab on the top of the page
 11. Find the patient ID
 12. Select the corresponding blue 'Randomize Patient' button on the right side of the page and click on it.

*Kyna can re-set a coordinator or surgeon login, but this is best done ahead of time.



IRB and Enrollment Updates

PC IRB Status

Site	Status
Connecticut Children's Med Ctr	Approved
St Lukes Intermountain	Approved
TOA	Approved (Pending DUA)
Rady Children's Hospital	Approved
Rocky Mountain	Approved
Medical College of Wisconsin	Approved
Washington U St Louis	Approved
CHOP	Approved
Penn	Approved
Cincinnati Children's Hospital	Approved
Boston Children's	Approved
Kaiser Permanente	Approved (Pending DUA)
Hospital for Special Surgery	Approved (Pending DUA)
Children's Ortho of Atlanta	Approved (Pending DUA)
University of MN/TRIA	Submitted
Texas Scottish Rite Hospital	Approved (Pending DUA)
Children's National Health System	Approved (Pending DUA)
Children's Mercy Kansas City	Submitted
Cleveland Clinic	Submitted
Gothenburg	Unknown
Asklepios Clinic St. Georg Hamburg	Unknown
Hospital for Sick Children	Submitted (Pending DUA)
National University Health System	Unknown

PC Enrollment

Rank	Site	# Enrolled
1	Connecticut Children's Med Ctr	27
2	Medical College of Wisconsin	22
3	St Lukes Intermountain	19
4	TOA	17
5	CHOP	15
6	Rady Children's Hospital	12
7	Rocky Mountain	11
8	Washington U St Louis	8
9	Penn	2
10	Cincinnati Children's Hospital	0
10	Boston Children's	0
10	Kaiser Permanente	0
10	Hospital for Special Surgery	0
10	Children's Ortho of Atlanta	0
10	University of MN/TRIA	0
10	Texas Scottish Rite Hospital	0
10	Children's National Health System	0
10	Children's Mercy Kansas City	0
10	Cleveland Clinic	0
10	Gothenburg	0
10	Asklepios Clinic St. Georg Hamburg	0
10	Hospital for Sick Children	0
10	National University Health System	0
Total		133

If you have any questions, please contact ROCK@uphs.upenn.edu

If you are IRB approved and a Data Sharing Agreement has been fully executed, please begin enrolling and sending data to Penn.
If you are IRB approved but pending Data Sharing Agreement finalization, please begin enrolling, but hold off on sending forms.

RCT IRB Status

Site	Status
Connecticut Children's Med Ctr	Approved
St Lukes Intermountain	Approved
TOA	Approved
Rady Children's Hospital	Approved
Rocky Mountain	Approved
Medical College of Wisconsin	Approved
Washington U St Louis	Approved
CHOP	Approved
Penn	Approved
Cincinnati Children's Hospital	Approved
Boston Children's	Approved
Kaiser Permanente	Approved
Hospital for Special Surgery	Approved (Pending DUA)
Children's Ortho of Atlanta	Approved (Pending DUA)
University of MN/TRIA	Submission Pending
Texas Scottish Rite Hospital	Approved (Provisional)
Children's National Health System	Approved
Children's Mercy Kansas City	Unknown
Cleveland Clinic	Submitted
Gothenburg	Unknown
Asklepios Clinic St. Georg Hamburg	Unknown
Hospital for Sick Children	Approved
National University Health System	Submitted

RCT Enrollment

Rank	Site	Surgeon	# Randomized	Randomized within last month?
1	Boston Children's Hospital	Heyworth	14	1
2	Rady Children's Hospital	Edmonds	6	0
2	Connecticut Children's Med Ctr	Nissen	6	1
3	St Lukes Intermountain	Shea	4	0
3	CHOP	Ganley	4	2
4	Cincinnati Children's Hospital	Wall	3	0
4	Medical College of Wisconsin	Lyon	3	0
5	Hospital for Sick Children	Murnaghan	2	0
6	Kaiser Permanente	Weiss	1	0
6	Boston Children's Hospital	Kocher	1	0
6	Connecticut Children's Med Ctr	Milewski	1	0
6	Tennessee Orthopaedic Alliance	Anderson	1	0
6	Rocky Mountain	Polousky	1	0
6	Washington U St Louis	Wright	1	0
6	Washington U St Louis	Nepple	1	0
7	Penn	Carey	0	0
7	Rady Children's Hospital	Chambers	0	0
Total			49	4

If you have any questions, please contact Kyna Donohue at Boston Children's Hospital
Kyna.Donohue@childrens.harvard.edu || 857-218-3272)



ROCK Website Updates

www.kneecd.org

Note: All ROCK study documents are available in the 'ROCK MEMBERS' page under 'ROCK Studies'

Case of the Month

PowerPoint of past cases
available at

<http://kneecd.org/category/case-discussion/>

Surgeon: Dr. Paul Saluan

Institution: Cleveland Clinic,
Cleveland, OH

Upcoming:

December 2015- Connecticut
January 2016-LA Kaiser
February 2016-Childrens of Wisconsin
March 2016-CHOP
April 2016-Cincinnati
May 2016-Rocky Mountain
June 2016- Tenn Ortho
July 2016-San Diego
August 2016 -St. Lukes Intermountain

Traffic Updates

- **2,180 sessions** (Oct=2,269; Sept=2,100; Aug=2,705; June=2,638; May =1,626; March=934)
- **1.7 page views per session** (Oct=1.57; Sept=1.5; Aug=1.3; June=1.4; May=1.6; March=2)
- **70% new sessions** (Sept=72%; Oct=76%; Aug=87%)

OF SITES APPEARING BEFORE Kneecd.org, BASED ON GOOGLE SEARCHES:

- 'knee ocd' = 20 (Oct=20; Sept=21; Aug=17)
- 'Osteochondritis dissecans'=60 (Oct=50; Sept=39; Aug=40)
- 'knee osteochondritis dissecans'=23 (Oct=25; Sept=22; Aug=36)
- 'osteochondritis dissecans of the knee'=27 (Oct=29; Sept=26; Aug=25)

ROCK Study Group Contact list is now available
(<http://kneecd.org/rock-members/rock-studies/>)

Journal Club

<http://kneecd.org/rock-members/literature-review/> (PDFS available on the ROCK website)

Diagnosis of Knee Osteochondral Lesions With Ultrasound Imaging

Pekko Penttilä, M.D., Jukka Liukkonen, M.Sc., Antti Joukainen, M.D., Ph.D., Tuomas Virén, M.Sc., Ph.D., Jukka S. Jurvelin, Ph.D., Juha Töyräs, Ph.D., and Heikki Kröger, M.D., Ph.D.

Arthroscopy Techniques, Vol -, No - (Month), 2015: pp e1-e5

Candidate Loci are Revealed by an Initial Genome-wide Association Study of Juvenile Osteochondritis Dissecans

Joseph L. Yellin, BA, Ashley Trocle, BAS, Struan F.A. Grant, PhD, Hakon Hakonarson, MD, PhD, Kevin G. Shea, MD, and Theodore J. Ganley, MD
J Pediatr Orthop

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