ТН	E ROCK (GROUP —	PROSPECTIVE C	OHORT STUDY —	FORM 4C	
	SECTION A: STU	JDY INFORMATION	l			
Subject ID: Study Visit:						
Site Number:			Date:	///		
Surge	on ID:					
	SECTION B: HIS	TORY				
B1.		on use: (check all tha ylenol	_	☐ Other		
B2.	Any problems wea ☐ Too loose	aring the brace? ☐ Too tight	☐ Irritating skir	n 🗖 Other		
B3.	Has subject stopped wearing brace on a regular basis since last visit? ☐ Yes ☐ No					
B2.	What type(s) of treatment did patient undergo since last visit? (check all that apply) None Knee brace, immobilizer Cylinder casting Non-weight bearing crutches Bone stimulator Physical therapy Knee brace hinged, non-unloader Knee brace hinged, unloader					
B3.	Has the patient ha ☐ No ☐ Ye	-	•	since last visit? (Op on B3, complete an Adv	• *	
	SECTION C: PHY					
C1.	Height:	inches	C2.	Weight:	bs	
C3.	Generalized Laxity ☐ Tight ☐ N	y: lormal □ Lax	☐ Not recorde	d		
C4.	Alignment: ☐ Obvious varus	☐ Normal ☐	1 Obvious valgus	☐ Not recorded	d	
C5.	ROM - Measured with an instrumented goniometer? ☐ Yes ☐ No					
C6.	ROM: e.g. 10 degrees hyperxtension, 150 degrees flexion = 10 00 150					
		:-	ive value)	(positive va	*	
	a. INVOLVED:	Passive:		Active:		
	b. UNINVOLVED:		⁻ Ext Flexion	Active: =		

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C7.	EFFUSIO	N:					
	a.INVOLV	ED					
	□ None	☐ Fluid Wave (<2	25cc)	☐ Easily ballotable (25-6	0cc)		
		(small)		(moderate)	(large)		
	b. UNINV	OLVED					
	□ None	☐ Fluid Wave (<2	25cc)	☐ Easily ballotable (25-6	0cc)		
		(small)		(moderate)	(large)		
	SECTION	D: ASSESSMENT					
D1.	Diagnosis	Diagnosis – check all diagnoses and locations that apply					
	☐ Osteod	chondritis dissecans		Focal Articular Cart	ilage Defects		
		MFC		☐ MFC			
		MTP		☐ MTP			
		LFC		☐ LFC			
		LTP		☐ LTP			
		Patella		□ Patella			
		Trochlea		Trochlea			
D2.		Healing Status (with I	espect to	last visit)			
	□ Worsen	· ·					
		Unchanged					
	☐ Improvi	ng					
D 0	A la a a la 4 a	Haallaan Otataa					
D2.	Absolute Healing Status						
		reciable healing					
	☐ Partally	etely healed					
	<u> </u>						
	SECTION	NE: TREATMENT P	LAN				
E1.	What is th	ne treatment plan?					
	☐ Activity restriction – eliminate impact or painful activities						
	Physica						
	Casting						
	Bracing						
		ted weight bearing					
	Surgery	(to be detailed at time	e of surge	ry on seperate form)			
D 0	T						
D2.		race? (if used)	D3.	If brace was used, wi	nat company?		
	☐ Unloade						
	☐ Hinged		D4.	If brace was used, wl			
	☐ Knee In	nmobilizer	D4.	ii biace was used, Wi	iat iiiouei :		
	□ Other						
D5.	Wae eubia	ect clearned to returi	n to sport	s? □ Yes	⊐ No		
D 3.	TTUS SUDJ	sol ciedined to returi	i to apoit	J. 100	טוו ב		

THE ROCK GROUP — PROSPECTIVE COHORT STUDY — FORM 4C

IMAGING - MRI Classification (Page 1)

Was an MR	l reviewed	at this	visit?
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☐ Yes ☐ No

DATE OF MRI:

If yes, complete this form. If no, please continue to next section.

Physical Characteristics OCD or Focal Cartilage Defect A. Location ■ Medial femoral condyle ☐ Lateral femoral condyle □ Patella □ Trochlea Mark zone(s) in which the lesion resides: Coronal □ 1 Lateral- or medial-most □ 2 Central □ 3 Intercondylar **Sagittal** ■ 1 Anterior ☐ 2 Central ■ 3 Posterior B. Size Measure maximal dimensions from bone edge to bone edge Coronal Width of lesion (mm) ___ ___ Width of knee (mm) Maximum depth of lesion (mm) Sagittal Width of lesion (mm) Width of knee (mm)

Other Knee Features

OCD or Focal Cartilage Defect

A. Physeal Patency

The status of the physis as seen on <u>sagittal sequence</u> only is:

□ Open

Cartilage signal across entire femur



□ Closing

Incomplete cartilage signal on any image



□ Closed

No cartilage signal



B. Effusion

The effusion seen within the knee is graded as:



Synovial fluid is not visualized superior to patella



□ Grade I

Synovial fluid is visualized superior to the patella, but the length of fluid layer < length of patella



☐ Grade II

Synovial fluid is visualized superior to the patella, but the length of fluid layer > length of patella



☐ Grade III

Length of fluid layer > length of patella and fluid layer is thick when (at least 3) serial images are compared.

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Maximum depth of lesion (mm)

ROCK GROUP PROSPECTIVE COHORT STUDY FORM 4C

IMAGING - MRI Classification (Page 2)

INIAGINO - WIN	Olassii
<u>Displacement</u>	
OCD only	
Is the progeny in situ?	If prog
☐ Not at all (Skip remainder of page.)	If prog
☐ Partially	
☐ Totally	A. Par
<u>Cartilage</u>	Bet
OCD only	stru
A. Thickness	and
The thickness of the overlying cartilage in comparison to adjacent	
cartilage is:	
☐ Normal	
☐ Thickened	
☐ Thinned	B. Par
☐ Variable	Bet
	app
B. Contour	
The contour of the articular surface is:	
☐ Normal on all images (coronal and sagittal)	0
☐ Abnormal on any image (concave, convex, or both)	
C. Breach	
The cartilage at the periphery of the lesion is:	
T2 Coronal	
☐ Intact	
☐ Not intact	
T2 Sagittal	
□ Intact	
□ Not intact	
PD	
□ Intact	
☐ Not intact	
Contintact	
D. Omen	
A radially-oriented, hypo-intesnse (or dark) signal in	
the epiphyseal cartilage is:	
☐ Absent	
□ Present	

<u>Interfaces</u>

OCD only

eny bone is not present, then only answer A. eny bone is present, then only answer B.

ent Bone and Cartilage (Oreo Cookie)

ween the parent bone and cartilage, is there a "tri-laminar ucture" with two hypo-intense layers on the outside (wafer) d a hyper-intense layer in between (creme)?

- Νo
- res (



rent Bone and Progeny Bone

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ween the parent bone and progeny bone, is there an reciable interface?

- Νo
- Yes, signal < fluid
- Yes, signal = fluid



THE ROCK GROUP — PROSPECTIVE COHORT STUDY — FORM 4C

IMAGING - MRI Classification (Page 3)

Parent Bone
OCD only
A. Focal Linear Signal A focal linear and distinct hyper-intense signal in the parent bone is: Absent Present
B. Focal Round or Oval Signal A focal round or oval hyper-intense signal in the parent bone is:
T2 Coronal Absent Present, single Present, multiple
If present, measurement of largest focal area: (m)
☐ Absent ☐ Present, single ☐ Present, multiple
If present, measurement of largest focal area: (m)
B. Marrow Edema The sagittal image with the greatest amount of edema in the parent bone demonstrates: None to minimal < 25% of epiphysis involved Extensive > 25% of epiphysis involved

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THE ROCK GROUP PROSPECTIVE COHORT STUDY FORM 4C

IMAGING - X-Ray Classification (Page 1)

Were X-Rays reviewed at this visit? **DATE OF X-RAYS:** ☐ Yes ☐ No _/ __ __/ ___ ____ If yes, complete this form. If no, please continue to next section. **Characteristics of Progeny Bone** Location OCD or Focal Cartilage Defect OCD only A. Visualization ■ Medial femoral condyle Is the progeny bone visualized? ☐ Lateral femoral condyle ☐ No (Skip remainder of page.) **Bony Involvement** □ Patella ☐ Yes ☐ Yes ☐ No □ Trochlea **B.** Fragmentation Size OCD or Focal Cartilage Defect Is the progeny bone fragmented? □ No □ Yes A. Standing AP Width of OCD lesion (mm) C. Displacement Width of knee (mm) Is the progeny bone in situ? ■ Not at all (Skip remainder of page.) ____ Maximum depth of lesion (mm) □ Partially B. Notch □ Totally Width of lesion (mm) D. Radiodensity ___ Width of knee (mm) In comparison to the parent bone, the radiodensity of Maximum depth of lesion (mm) the center of the progeny is: ☐ More ☐ Less ☐ The same C. Lateral In comparison to the parent bone, the radiodensity of Length of OCD lesion (mm) the rim of the progeny is: ___ Length of condyle (mm) ☐ More ☐ Less ☐ The same Maximum depth of lesion (mm) E. Boundary The boundary between the parent bone and progeny **Characteristics of Parent Bone** bone is OCD only ☐ Distinct ☐ Indistinct In comparison to the unaffected parent bone, the radiodensity of the rim of the parent bone is predominantly: F. Shape ■ More The shape of the articular side of the progeny bone is: ☐ Less bone is ☐ The same ☐ Convex ☐ Concave □ Linear

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THE ROCK GROUP — PROSPECTIVE COHORT STUDY — FORM 4C

IMAGING - X-Ray Classification (Page 3)

Healing OCD only A. Radiodensity In comparison to previous radiographs (if available), the radiodensitry of the progeny is: ■ More ☐ Less ☐ The same Mark on continuum below, denoting the current stage of healing with respect to radiodensity: Totally radiolucent Same radiodensity as parent bone 0% 100% **B.** Boundary In comparison to previous radiographs (if available), the boundary is: ■ More ☐ Less ☐ The same Mark on continuum below, denoting the current stage of healing with respect to radiodensity: Totally distinct Totally indistinct 0% 100%

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