

Rehabilitation Protocol for ACL Reconstruction

This protocol is intended to guide clinicians and patients through the post-operative course of an ACL reconstruction. Specific intervention should be based on the needs of the individual and should consider exam findings and clinical decision making. If you have questions, contact the referring physician.

Considerations for allograft and hamstring autograft

Early weight bearing and early rehabilitation intervention vary for allograft and hamstring autograft. Please reference specific instructions below. Expectations are the early return to sport phase will be delayed.

Considerations with concomitant injuries

Be sure to follow the more conservative protocol with regards to range of motion, weight bearing, and rehab progression when there are concomitant injuries (i.e. meniscus repair).

Post-operative considerations

If you develop a fever, intense calf pain, excessive drainage from the incision, uncontrolled pain or any other symptoms you have concerns about you should call your doctor.

PHASE I: IMME	DIATE POST-OP (0-2 WEEKS AFTER SURGERY)								
Rehabilitation	Protect graft								
Goals	Reduce swelling, minimize pain								
	Restore patellar mobility								
	Restore full extension, gradually improve flexion								
	Minimize arthrogenic muscle inhibition, re-establish quad control, regain full active extension								
	Patient education								
	 Keep your knee straight and elevated when sitting or laying down. Do not rest with a towel placed under the knee 								
	 Do not actively kick your knee out straight; support your surgical side when performing transfers (i.e. sitting to laying down) 								
	o Do not pivot on your surgical side								
Weight Bearing	Walking								
	Initially brace locked, crutches								
	May start walking without crutches as long as there is no increased pain								
	 Allograft and hamstring autograft continue partial weight bearing with crutches for 6 weeks unless otherwise instructed by MD 								
	May unlock brace once able to perform straight leg raise without lag								
	May discontinue use of brace after 6 wks per MD and once adequate quad control is achieved								
	• When climbing stairs, make sure you are leading with the non-surgical side when going up the stairs, make								
	sure you are leading with the crutches and surgical side when going down the stairs								
Intervention	Swelling Management								
	Ice, compression, elevation (check with MD re: cold therapy)								
	Retrograde massage								
	Ankle pumps								
	Range of motion/Mobility								
	Patellar mobilizations: superior/inferior and medial/lateral								
	 **Patellar mobilizations are heavily emphasized in the early post-operative phase following patella 								
	tendon autograft**								
	<u>Seated assisted knee flexion extension</u> and <u>heel slides with towel</u>								

Standing gastroc stretch and soleus stretch

Low intensity, long duration extension stretches: <u>prone hang</u>, <u>heel prop</u>



	• Supine active hamstring stretch and supine passive hamstring stretch						
	Strengthening						
	• <u>Calf raises</u>						
	Quad sets						
	• NMES high intensity (2500 Hz, 75 bursts) supine knee extended 10 sec/50 sec, 10 contractions, 2x/wk during						
	sessions—use of clinical stimulator during session, consider home units distributed immediate post op						
	Straight leg raise						
	 **Do not perform straight leg raise if you have a knee extension lag 						
	Hip abduction/side leg lift						
	Multi-angle isometrics 90 and 60 deg knee extension						
Criteria to	Knee extension ROM 0 deg						
Progress	Quad contraction with superior patella glide and full active extension						
	Able to perform straight leg raise without lag						

PHASE II: INTERMEDIATE POST-OP (3-5 WEEKS AFTER SURGERY)

PHASE II: IN I	ERMEDIATE POST-OP (3-5 WEEKS AFTER SURGERY)							
Rehabilitation	Continue to protect graft							
Goals	Maintain full extension, restore full flexion (contra lateral side)							
	Normalize gait							
Additional	Range of motion/Mobility							
Intervention	<u>Stationary bicycle</u>							
*Continue with	Gentle stretching all muscle groups: <u>prone quad stretch</u> , <u>standing quad stretch</u> , <u>kneeling hip flexor stretch</u>							
Phase I	Strengthening							
interventions	Prone hamstring curls							
	Step ups and step ups with march							
	Partial squat exercise							
	Ball squats, wall slides, mini squats from 0-60 deg							
	• Lumbopelvic strengthening: <u>bridge & unilateral bridge</u> , <u>sidelying hip external rotation-clamshell</u> , <u>bridges on</u>							
	physioball, bridge on physioball with roll-in, bridge on physioball alternating, hip hike							
	Balance/proprioception							
	Single leg standing balance (knee slightly flexed) static progressed to dynamic and level progressed to							
	unsteady surface							
	Lateral step-overs							
	Joint position re-training							
Criteria to	No swelling (Modified Stroke Test)							
Progress	Flexion ROM within 10 deg contra lateral side							
	Extension ROM equal to contra lateral side							

PHASE III: LATE POST-OP (6-8 WEEKS AFTER SURGERY)

Rehabilitation	Continue to protect graft site								
Goals	Maintain full ROM								
	Safely progress strengthening								
	Promote proper movement patterns								
	Avoid post exercise pain/swelling								
	Avoid activities that produce pain at graft donor site								
Additional	Range of motion/Mobility								
Intervention	Rotational tibial mobilizations if limited ROM								
*Continue with	Cardio								
Phase I-II	Elliptical, stair climber, flutter kick swimming, pool jogging								
Interventions	Strengthening								
	• Gym equipment: <u>leg press machine</u> , <u>seated hamstring curl machine</u> and <u>hamstring curl machine</u> , <u>hip abductor</u>								
	and adductor machine, hip extension machine, roman chair, seated calf machine								
	 Hamstring autograft can begin resisted hamstring strengthening at 12 weeks 								



	Progress intensity (strength) and duration (endurance) of exercises							
	**The following exercises to focus on proper control with emphasis on good proximal stability							
	Squat to chair							
	Lateral lunges							
	Romanian deadlift							
	• Single leg progression: partial weight bearing single leg press, slide board lunges, step ups and step ups with							
	march, lateral step-ups, step downs, single leg squats, single leg wall slides							
	<u>Knee Exercises</u> for additional exercises and descriptions							
	Balance/proprioception							
	Progress single limb balance including perturbation training							
Criteria to	No swelling/pain after exercise							
Progress	Normal gait							
	ROM equal to contra lateral side							
	Joint position sense symmetrical (<5 degree margin of error)							
	 Quadriceps index ≥80%; HHD mean preferred (isokinetic testing if available) 							

PHASE IV: TRANSITIONAL (9-12 WEEKS AFTER SURGERY) Rehabilitation • Maintain full ROM

Rehabilitation	Maintain full ROM							
Goals	Safely progress strengthening							
	Promote proper movement patterns							
	Avoid post exercise pain/swelling							
	Avoid activities that produce pain at graft donor site							
Additional	Begin sub-max sport specific training in the sagittal plane							
Intervention	Bilateral PWB plyometrics progressed to FWB plyometrics							
*Continue with								
Phase I-III								
interventions								
Criteria to	No episodes of instability							
Progress	Maintain quad strength							
	• 10 repetitions single leg squat proper form through at least 60 deg knee flexion							
	Drop vertical jump with good control							
	• <u>KOOS-sports questionnaire</u> >70%							
	Functional Assessment							
	 Quadriceps index >80%; HHD mean preferred (isokinetic testing if available) 							
	 Hamstring, glut med,glut max index ≥80%; HHD mean preferred (isokinetic testing for HS if available) 							
	 Single leg hop test >75% compared to contra lateral side (earliest 12 wks) 							

PHASE V: EARLY RETURN TO SPORT (3-5 MONTHS AFTER SURGERY)

Rehabilitation	Safely progress strengthening								
Goals	Safely initiate sport specific training program								
	Promote proper movement patterns								
	Avoid post exercise pain/swelling								
	Avoid activities that produce pain at graft donor site								
Additional	Interval running program								
Intervention	o <u>Return to Running Program</u>								
*Continue with	Progress to plyometric and agility program (with functional brace if prescribed)								
Phase II-IV	 Agility and Plyometric Program 								
interventions									



Clearance from MD and ALL milestone criteria below have been met							
Completion jog/run program without pain/swelling							
Functional Assessment							
 Quad/HS/glut index ≥90%; HHD mean preferred (isokinetic testing if available) 							
 Hamstring/Quad ratio ≥70%; HHD mean preferred (isokinetic testing if available) 							
 Hop Testing ≥90% compared to contra lateral side 							
• <u>KOOS-sports questionnaire</u> >90%							
International Knee Committee Subjective Knee Evaluation >93							
Psych Readiness to Return to Sport (PRRS)							

PHASE VI: UNRESTRICTED RETURN TO SPORT (6+ MONTHS AFTER SURGERY)

	ADDITION DE METORITO DI ONT (OF MONTHO IN TER DONGENT)							
Rehabilitation	Continue strengthening and proprioceptive exercises							
Goals	Symmetrical performance with sport specific drills							
	Safely progress to full sport							
Additional	Multi-plane sport specific plyometrics program							
Intervention	Multi-plane sport specific agility program							
*Continue with	Include hard cutting and pivoting depending on the individuals' goals (~7 mo)							
Phase II-V	 Non-contact practice→ Full play 							
interventions								
Criteria to	Last stage, no additional criteria							
Progress								

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Contact	Please call 617.643.9999 with any questions specific to this protocol

References

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Glazer DD. Development and Preliminary Validation of the Injury-Psychological Readiness to Return to Sport (I-PRRS) Scale. *Journal of Athletic Training.* 2009;44(2):185-189.

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Wright RW, Haas AK, et al. Anterior Cruciate Ligament Reconstruction Rehabilitation: MOON Guidelines. *Sports Health* 2015 7(3): 239-243.

Wilk KE, Macrina LC, et al. Recent Advances in the Rehabilitation of Anterior Cruciate Ligament Injuries. JOSPT 2012 42(3): 153-171.



ACL Reconstruction-Functional Assessment

Patient Name:			MRN:				
Date of Surgery:			Surgeon:				
Graft Type (circle):	Autograft		Hamstring	ВРТВ	Quad		
	Allograft		Achilles	ВРТВ	Other		
Concomitant Injuries/Pro	ocedures:						
			Operative Limb	Non-operative Limb	Limb Symmetry Index		
Range of motion (X-0-X)					-		
Pain (0-10)					-		
Knee Effusion					-		
Hamstring Strength (average/3 trials)							
Quadriceps Strength (av	erage/3 trials)						
Hamstring : Quadriceps	Ratio (as above)				-		
Hop Testing							
Single-leg Hop fo	or Distance						
Triple Hop for D	istance						
Crossover Hop f	or Distance						
Vertical Jump							
Y-Balance Test							
Calculated 1 RM (single	leg press)						
Psych. Readiness to Retu	urn to Sport (PRRS)						
Ready to jog?		YES	NO				
Ready to return to sport?		YES	NO				
Recommendations:							
Examiner:							



Range of motion is recorded in X-0-X format: for example, if a patient has 6 degrees of hyperextension and 135 degrees of flexion, ROM would read: 6-0-135. If the patient does not achieve hyperextension, and is lacking full extension by 5 degrees, the ROM would simply read: 5-135.

Pain is recorded as an average value over the past 2 weeks, from 0-10. 0 is absolutely no pain, and 10 is the worst pain ever experienced.

Knee Effusion is tested using the Modified Stroke Test. An upstroke is applied to medial side of knee, followed by downstroke on lateral side. The therapist observes for movement of fluid with each stroke.

- 0: no wave produced with downward stroke
- Trace: small wave of fluid on medial side of knee
- 1+: large bulge of fluid on medial side of knee with downstroke
- 2+: Effusion returns to medial side of knee without downstroke
- 3+: inability to move effusion from medial side of knee

Quadriceps strength is measured using a handheld dynamometer. The patient is secured in 60 degrees of knee flexion and the HHD is placed between the patient's tibia and the resistance arm, 1 inch proximal to the midline between the malleoli. The patient is instructed to apply a maximal isometric effort force the HHD and the average of 3 trials is recorded for each limb.

Hamstring strength is measured using a handheld dynamometer. The patient is secured in 60 degrees of knee flexion and the HHD is placed between the patient's lower leg and the resistance arm, 1 inch proximal to the midline between the malleoli. The patient is instructed to apply a maximal isometric force against the HHD and the average of 3 trials is recorded for each limb.

Hamstring:quadriceps ratio is calculated for each limb based on the average of 3 trials for flexion and extension, respectively. The average isometric hamstring strength is divided by the average quadriceps strength.

Hop testing is performed per standardized testing guidelines. The average of 3 trials is recorded to the nearest centimeter for each limb.



Return to Running Program

This program is designed as a guide for clinicians and patients through a progressive return-to-run program. Patients should demonstrate > 80% on the Functional Assessment prior to initiating this program (after a knee ligament or meniscus repair). Specific recommendations should be based on the needs of the individual and should consider clinical decision making. If you have questions, contact the referring physician.

PHASE I: WARM UP WALK 15 MINUTES, COOL DOWN WALK 10 MINUTES

Day	1	2	3	4	5	6	7
Week 1	W5/J1x5		W5/J1x5		W4/J2x5		W4/J2x5
Week 2		W3/J3x5		W3/J3x5		W2/J4x5	
Week 3	W2/J4x5		W1/J5x5		W1/J5x5		Return to Run

Key: W=walk, J=jog

PHASE II: WARM UP WALK 15 MINUTES, COOL DOWN WALK 10 MINUTES

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	20 min		20 min		20 min		25 min
2		25 min		25 min		30 min	
3	30 min		30 min		35 min		35 min
4		35 min		40 min		40 min	
5	40 min		45 min		45 min		45 min
6		50 min		50 min		50 min	
7	55 min		55 min		55 min		60 min
8		60 min		60 min			

Recommendations

- Runs should occur on softer surfaces during Phase I
- Non-impact activity on off days
- Goal is to increase mileage and then increase pace; avoid increasing two variables at once
- 10% rule: no more than 10% increase in mileage per week

^{**}Only progress if there is no pain or swelling during or after the run



Agility and Plyometric Program after ACL Reconstruction

This program is designed as a guide for clinicians and patients through a progressive series of agility and plyometric exercises to promote successful return to sport and reduce injury risk. Patients should demonstrate > 80% on the Functional Assessment prior to initiating this program. Specific intervention should be based on the needs of the individual and should consider clinical decision making. If you have questions, contact the referring physician.

PHASE I: ANTERIOR PROGRESSION

	RION I ROURESSION
Rehabilitation	o Safely recondition the knee
Goals	o Provide a logical sequence of progressive drills for pre-sports conditioning
Agility	Forward run
	Backward run
	Forward lean in to a run
	Forward run with 3-step deceleration
	Figure 8 run
	Circle run
	o Ladder
Plyometrics	Shuttle press: Double leg→alternating leg→single leg jumps
	Double leg:
	Jumps on to a box → jump off of a box → jumps on/off box
	o Forward jumps, forward jump to broad jump
	o Tuck jumps
	 Backward/forward hops over line/cone
	Single leg:
	o Double to single leg jumps on to a box→double to single leg jumps off a box→single to single leg jumps
	on to a box→single to single leg jumps on/off box
	o Bounding run
	o Scissor jumps
	o Backward/forward hops over line/cone
Criteria to	No increase in pain or swelling
Progress	Pain-free during loading activities
	Demonstrates proper movement patterns

PHASE II: LATERAL PROGRESSION

Rehabilitation	Safely recondition the knee
Goals	Provide a logical sequence of progressive drills for the Level 1 sport athlete
Agility	Side shuffle
*Continue with	Carioca
Phase I	Crossover steps
interventions	Shuttle run
	Zig-zag run
	• Ladder
Plyometrics	Double leg:
*Continue with	o Lateral jumps over line/cone
Phase I	o Lateral tuck jumps over cone
interventions	Single leg:
	o Lateral jumps over line/cone
	o Lateral jumps with sport cord
Criteria to	No increase in pain or swelling
Progress	Pain-free during loading activities
	Demonstrates proper movement patterns



PHASE III: MULTI-PLANAR PROGRESSION

Rehabilitation Goals	Challenge the Level 1 sport athlete in preparation for final clearance for return to sport
Agility *Continue with Phase I-II interventions	 Box drill Star drill Side shuffle with hurdles
*Continue with Phase I-II interventions	 Box jumps with quick change of direction 90 and 180 degree jumps
Criteria to Progress	 Clearance from MD Functional Assessment Quad/HS/glut index ≥90% contra lateral side (isokinetic testing if available) Hamstring/Quad ratio ≥70% Hop Testing ≥90% contralateral side KOOS-sports questionnaire >90% International Knee Committee Subjective Knee Evaluation >93 Psych Readiness to Return to Sport (PRRS)



	KOO	S KNEE SU	JRVEY	
Today's date: _		Date of bi	rth:/_	
Name:				
information will well you are abl Answer every o	help us keep e to perform yo question by tick are unsure a	track of how you our usual activities king the appropri	feel about you. s. ate box, only	t your knee. This our knee and how one box for each n, please give the
Symptoms These question the last week.	s should be a	nswered thinking	of your knee	symptoms during
S1. Do you have Never	swelling in your Rarely	knee? Sometimes	Often	Always
S2. Do you feel g moves? Never	rinding, hear clic Rarely	cking or any other t Sometimes	of tooise w	hen your knee Always
S3. Does your kn Never	ee catch or hang Rarely	up when moving? Sometimes □	Often	Always
S4. Can you strai Always	ghten your knee Often	fully? Sometimes	Rarely	Never
S5. Can you bend Always	Often	? Sometimes	Rarely	Never
experienced du	ring the last		ee. Stiffness	tiffness you have is a sensation of knee joint.
S6. How severe i None	s your knee joint Mild	stiffness after first Moderate	wakening in the Severe	ne morning? Extreme
S7. How severe i	s your knee stiff Mild	ness after sitting, ly Moderate	ving or resting l Severe	ater in the day? Extreme

1



Pain P1. How often do Never	you experience Monthly	e knee pain? Weekly	Daily	Always	
What amount o following activities		nave you experi	enced the last	week during the	9
P2. Twisting/pivo	ting on your kn Mild	Moderate	Severe	Extreme	
P3. Straightening None	knee fully Mild □	Moderate	Severe	Extreme	
P4. Bending knee None	fully Mild	Moderate	Severe	Extreme	
P5. Walking on fl None	at surface Mild	Moderate	Severe	Extreme	
P6. Going up or d None	own stairs Mild	Moderate	Severe	Extreme	
P7. At night while None	e in bed Mild	Moderate	Severe	Extreme	
P8. Sitting or lyin	g Mild	Moderate	Severe	Extreme	
P9. Standing uprig	ght Mild	Moderate	Severe	Extreme	
ability to move	uestions conc around and indicate the	to look after you	ırself. For eac	his we mean you h of the following experienced in the	g
A1. Descending s	tairs Mild	Moderate	Severe	Extreme	
A2. Ascending sta	nirs Mild	Moderate	Severe	Extreme	



For each of the following activities please indicate the degree of difficulty you have experienced in the **last week** due to your knee.

A3. Rising from None	sitting Mild	Moderate	Severe	Extreme
A4. Standing None	Mild	Moderate	Severe	Extreme
A5. Bending to f	loor/pick up an Mild	object Moderate	Severe	Extreme
A6. Walking on None	flat surface Mild	Moderate	Severe	Extreme
A7. Getting in/or None	ut of car Mild	Moderate	Severe	Extreme
A8. Going shopp None	oing Mild	Moderate	Severe	Extreme
A9. Putting on so	ocks/stockings Mild	Moderate	Severe	Extreme
A10. Rising from	n bed Mild	Moderate	Severe	Extreme
A11. Taking off None	socks/stockings Mild	Moderate	Severe	Extreme
A12. Lying in be	ed (turning over, Mild	maintaining knee j Moderate	position) Severe	Extreme
A13. Getting in/o	out of bath Mild	Moderate	Severe	Extreme
A14. Sitting None	Mild	Moderate	Severe	Extreme
A15. Getting on/	off toilet Mild	Moderate	Severe	Extreme



For each of the following activities please indicate the degree of difficulty you have experienced in the **last week** due to your knee.

Function, sports and recreational activities The following questions concern your physical function when being active on a higher level. The questions should be answered thinking of what degree of difficulty you have experienced during the last week due to your knee. SP1. Squatting None Mild Moderate Severe Extreme SP2. Running None Mild Moderate Severe Extreme SP3. Jumping None Mild Moderate Severe Extreme SP4. Twisting/pivoting on your injured knee None Mild Moderate Severe Extreme SP5. Kneeling None Mild Moderate Severe Extreme SP5. Kneeling None Mild Moderate Severe SP6. Kneeling None Mild Moderate Severe Severe Extreme SP7. Constantly Daily Constantly Q2. Have you modified your life style to avoid potentially damaging activities to your knee? Not at all Mildly Moderately Severely Totally	A17. Light domestic duties (cooking, dusting, etc) None Mild Moderate Severe Extreme Function, sports and recreational activities The following questions concern your physical function when being active on higher level. The questions should be answered thinking of what degree of difficulty you have experienced during the last week due to your knee. SP1. Squatting None Mild Moderate Severe Extreme SP2. Running None Mild Moderate Severe Extreme SP3. Jumping None Mild Moderate Severe Extreme SP4. Twisting/pivoting on your injured knee None Mild Moderate Severe Extreme SP5. Kneeling None Mild Moderate Severe Extreme SP6. Kneeling None Mild Moderate Severe Extreme SP7. Squatting None Mild Moderate Severe Extreme SP8. Twisting/pivoting on your injured knee None Mild Moderate Severe Extreme SP9. Under the severe S		stic duties (mo	oving heavy boxes,	scrubbing floors	, etc)
A17. Light domestic duties (cooking, dusting, etc) None Mild	A17. Light domestic duties (cooking, dusting, etc) None Mild Moderate Function, sports and recreational activities The following questions concern your physical function when being active on higher level. The questions should be answered thinking of what degree of difficulty you have experienced during the last week due to your knee. SP1. Squatting None Mild Moderate Severe Extreme SP2. Running None Mild Moderate Severe Extreme SP3. Jumping None Mild Moderate Severe Extreme SP4. Twisting/pivoting on your injured knee None Mild Moderate Severe Extreme SP5. Kneeling None Mild Moderate Severe Extreme SP6. Kneeling None Mild Moderate Severe Extreme SP7. Runding None Mild Moderate Severe Extreme SP8. Latreme SP9. La		_			
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O3. How much are you troubled with lack of confidence in your knee?	Not at all Mildly Moderately Severely Extremely					
			you troubled		ence in your kne	ee?
	O4. In general, how much difficulty do you have with your knee?	Ц	Ц	П	ш	Ц
O4. In conoral, how much difficulty do you have with your kneed	O4. III general, now much difficulty do you have with your knee!	O4 In concept 1	u muah diffi	ultu da van hana	th your lease?	
O4. III general, now much unficulty do you have with your knee?						Extreme
None Mild Moderate Severe Extreme						

Thank you very much for completing all the questions in this questionnaire.



2000 IKDC SUBJECTIVE KNEE EVALUATION FORM

Yo	ur Full I	Name_											
То	day's D	ate:	Day M	onth Ye	ar		Da	te of Inju	ıry:	//	h Ye	ar	
*G		mptom	s at the ot actuall						u could f	unction	without s	ignificaı	nt symptoms,
1.	What	is the h	ighest le	vel of ac	tivity tha	t you ca	n perforn	n without	t significa	nt knee	pain?		
		3 2 1	□Very si □Strenu □Modera □Light a □Unable	ous activ ate activi activities	rities like ities like like walk	heavy p moderat ing, hou	hysical w e physica sework o	vork, skiii al work, r or yard w	ng or ten running o ork	nis r jogging			
2.	Duri	ng the p	oast 4 we	eks, or s	ince you	ır injury,			ou had pa				
N	lever	0	1	2	3	4	5	6	7	8	9	10	Constant
3.			pain, hov										1
	No pain	0	1	2	3	4	5	6	7	8	9	10	Worst pain imaginable
4.	During	g the <u>pa</u>	ast 4 wee	<u>ks</u> , or si	nce your	injury, h	ow stiff	or swolle	n was yo	ur knee?			
		3 2 1	□Not at □Mildly □Modera □Very □Extren	ately									
5.	What	is the h	ighest le	vel of ac	tivity you	ı can per	form wit	hout sigr	nificant sv	welling in	your kn	ee?	
		3 2 1	□Very si □Strenu □Moderi □Light a □Unable	ous activ ate activi activities	rities like ities like like walk	heavy p moderat ing, hou	hysical w e physica sework, o	vork, skiii al work, r or yard w	ng or ten running o vork	nis r jogging			
6.	During	g the <u>pa</u>	ast 4 wee	<u>ks</u> , or si	nce your	injury, d	lid your k	knee lock	or catch	?			
		o	□Yes	ı□No									
7.	What	4 3 2 1	ighest le □Very st □Strenu □Modera □Light a	trenuous ous activ ate activi ictivities	activitie vities like ties like like walk	s like jur heavy p moderat ing, hou	nping or hysical w e physica sework o	pivoting vork, skiin al work, r or yard w	as in bas ng or ten unning o ork	ketball o nis or jogging	r soccer		



8. What is the highest level of activity you can participate in on a regular basis?

SPORTS ACTIVITIES:

		3	IStrenuo IModerat ILight ac	us activit e activiti tivities lik	ies like heavy es like moder e walking, ho	umping or piv physical worl rate physical w ousework or y above activitie	k, skiing or te ork, running ard work	or jogging	cer	
9.	How	does you	knee af	fect your	ability to:					
						Not difficult at all	Minimally difficult	Moderately Difficult	Extremely difficult	Unable to do
	a.	Go up st	airs			4	3 □	2 □	1 □	₀□
	b.	Go dowr				4	3 🗆	2	1 🗖	₀□
	c.	Kneel or	the fror	nt of you	r knee	4	3 🗖	2	1	₀□
	d.	Squat				4	3	2	1 	۰۵
	e.	Sit with	your kne	e bent		4	3	2	1	۰۵
	f.	Rise from	n a chair			4	3	2	ı 🗖	۰۵
	g.	Run stra	ight ahe	ad		4	3	2	ı 🗖	۰□
	h.	Jump an	d land o	n your in	volved leg	4	3	2	1 	۰
	i.	Stop and	l start qu	iickly		4	3	2	1 	o 🗖
10.	and (would yo	e inabilit	y to perf	orm any of yo			with 10 being n nich may include		nt function
Co pe	uldn't rform daily vities	0	1	2	3 4	4 5 -	6 7		9 10	No limitation in daily activities
CUI	RREN	T FUNCTION	ON OF Y	OUR KNE	E:					
pe	Can't rform daily ivities	-	1	2	3 4	\$ 5 D	6 7		9 10	No limitation in daily activities



Psychological Readiness to Return to Sport

Patient	t Name:	MRN:			
Surger	y:	Date of Surgery:	Surgeon:		
	rate your confidence to return to your spor le: 0 = No confidence at all 50 = Moderate confidence 100 = Complete confidence	t on a scale from 0 – 100			
1.	My overall confidence to play is				
2.	My confidence to play without pain is	_			
3.	My confidence to give 100% effort is	_			
4.	My confidence to not concentrate on the	injury is			
5.	My confidence in the injured body part to	handle demands of the situat	ion is		
6.	My confidence in my skill level/ability is				
	Total:				
	Score:				

Glazer DD. Development and Preliminary Validation of the Injury-Psychological Readiness to Return to Sport (I-PRRS) Scale. Journal of Athletic Training. 2009;44(2):185-189.

Examiner: _____