These guidelines were created as a framework for the post-operative rehabilitation program. They DO NOT substitute for any specific restrictions or requirements that are determined through the necessary shared decision-making and collaboration between the operating surgeon and treating rehabilitation team.

Rotator Cuff Repair	Rehab Pr Aaron Va	otocol indenbos, MD	رَ	Orthopo & Sports I	AND aedic Surgery Medicine Clinic
PHASE 1: Generally 0-5 Weeks Post	-Op				
GOALS:	2) Protec 3) Protec 4) Norma	=	pair DM	o 90° ABD and 90	° FLEX for small
PRECAUTIONS:	- NO supp - NO ARC - Sling AT	n-ups or other sp porting of body v M ALL TIMES exce	veight by hand pt while perfor	s	cises x 4-8 weeks
ROM & SLING:	 Avoid gaining ROM too quickly by adhering to the following: Forward FLEX: table slides in hammer grip only; progress as pain allows Passive ER (i.e. with stick) per Ortho's direction Modified pendulums; progress to full as tolerated 				
		Tear Size	Sling Use	Begin PROM	Begin AROM
		Small 0 - 1 cm2	4 Weeks	Immediate	4 Weeks
		Medium 1 - 3 cm2	6 Weeks	Immediate	6 Weeks
		Large 3 - 5 cm2	6-8 Weeks	6-8 Weeks	8 Weeks
		Massive > 5 cm2	6-8 Weeks	6-8 Weeks	8 Weeks
WOUND:	- Post-op dressing removed at PT eval - Shower at post-op day #3 - Submerge in water after wound is fully healed - Suture removal @ 7-14 days post-op by Ortho				
MODALITIES:	- Cryothe	rapy Hourly for 15 mir restored from ne	nutes for the fi	rst 24 hours <u>after</u>	

	Once controlled, use 3x per day for 15 minutes or longer as tolerated
	- Soft tissue mobilization and other integrative medicine techniques
	Soft tissue/trigger point work to the kinetic chain (i.e. cervical)
	spine, scapula, and forearm)
REHABILITATION:	- Frequent use of cryotherapy and/or ice
	- Exercise prescription is dependent upon the tissue healing process and
	individual functional readiness in all stages. If any concerns or
	complications arise regarding the progress of any patient, PT should
	contact Ortho.
	- Healing of the RC tendon(s) to the humerus can take 8-12 weeks
	- As tolerated, progress rehabilitation exercises as wound healing occurs
	and the inflammatory response decreases
	- ROM exercises:
	Shoulder PROM for small and medium tears only within listed
	ROM guidelines in non-impingement position (i.e. hammer grip)
	Scapular retractions, shoulder shrugs, and scapular depressions
	Modified pendulums in sling; progress to full pendulums after 3-5
	days
	- Strengthening:
	Hand squeezing exercises
	 Elbow/wrist AROM & grip strengthening with shoulder in neutral position at side
	Gentle sub-maximal ("2-finger") shoulder isometrics for shoulder
	FLEX, ADD, EXT, and ABD (no IR/ER)
	- Cardiovascular training:
	Recumbent bike <u>while wearing sling</u>
	NO running or high-impact activity for aerobic training
FOLLOW-UP:	- Supervised rehab: 1-2x per week
	- PT re-eval: ~10-14 days
	- Ortho re-eval: ~2 weeks

PHASE 2: Generally 5-8 Weeks Post-Op		
GOALS:	1) AAROM for FLEX and ABD to 120° for small and medium tears	
	2) PROM for FLEX and ABD to 90° for large and massive tears	
	3) Progressing passive ER	
	4) Pain-free ADLs	
PRECAUTIONS:	- NO lifting > 10 lbs	
	- NO overhead motions	
	- Avoid impingement positions, moderate or higher level exertional	
	activities with involved arm, and high impact aerobic training	
ROM & SLING:	- Wean from sling	
	- Progress ROM as tolerated	
REHABILITATION:	- ROM exercises	
	- Trunk stabilization (NWB)	
	- Scapular strengthening emphasizing scapular retractors and upward	
	rotators	
	- Modalities PRN	
	- Cardiovascular training: continue recumbent bike; progress to elliptical	
	(no push/pull with surgical arm) and/or treadmill walking	
	- Adjunct treatments to consider: dry needling, cervicothoracic manual	
	therapy, aquatic walking with water at chest level or below (no UE	

	movement or resistance; no swimming)	
FOLLOW-UP:	- Supervised rehab: 2-4x per week as needed	
	- PT re-eval: every 2 weeks	
	- Ortho re-eval: 6 weeks	
CRITERIA FOR PROGRESSION:	- Full ROM	
	- Minimal pain and pain-free ADLs	
	- D/C sling	

PHASE 3: Generally 9-16 Weeks Post-Op		
GOALS:	1) Normal ROM in all planes	
	2) Initiate strength training	
	3) Running progression protocol as indicated	
PRECAUTIONS:	- Minimize pain and any inflammatory response	
REHABILITATION:	- ROM exercises	
	- Trunk stabilization (FWB)	
	- Scapular strengthening emphasizing scapula retractions and upward	
	rotators	
	- Initiate strengthening as ROM normalizes, starting with high reps/low	
	loads progressing to low reps/high loads	
	- Modalities PRN	
	- Cardiovascular training: continue recumbent bike, elliptical, and/or	
	treadmill walking; consider initiating a running progression	
	- Adjunct treatments to consider: dry needling, manual therapy to GH joint	
	and cervicothoracic regions, aquatic walking with water at chest level or	
	below (no UE movement or resistance; no swimming)	
FOLLOW-UP:	- Supervised rehab: 1-2x per week as needed	
	- PT re-eval: every 2 weeks	
	- Ortho re-eval: 12 weeks	

PHASE 4: Generally 4-6 Months Post-Op		
GOALS:	1) Pain-free ADLs	
	2) Shoulder strength equal bilaterally	
	3) Meet occupational requirements at 4-6 months	
	4) Pain-free functional/sports drills	
REHABILITATION:	- Advanced specific, functional, and individualized training to achieve	
	Phase 4 goals (i.e. lift, pull, carry, and climb in unloaded/loaded	
	conditions)	
FOLLOW-UP:	- Supervised rehab: 1-2x per week as needed with gradual transition to	
	home program	
	- PT re-eval: monthly	
	- Ortho re-eval: ~6 months post-op	
MISCELLANEOUS:	- Progress activities for return to sport/collision sports or aggressive	
	military training based on the patient's functional performance and	
	endurance. This time period will be directed by the Ortho Surgeon and the	
	Physical Therapist. This may require between 6-12 months before cleared	
	without restrictions.	