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RETURN TO SWIMMING PROGRAM

Dry-Land Rehabilitation

PHASE ONE: 0-2 weeks →Establish stable base and strengthen rotator cuff UBE Scapular squeezes – upper and low trapezius Sleeper stretch – posterior deltoid Chin tucks – scalenes/deep anterior cervical musculature T band ER/IR – rotator cuff Isometric supermans – thoracic/lumbar musculature Pectoral stretch on foam roller Thoracic mobilizations

PHASE TWO: 2-4 weeks

→ Strengthening exercises in 0-90 degrees ROM
T band rows – latissimus dorsi/rhomboids
Serratus punches and wall push-up plus – serratus anterior
Y's, W's, T's – middle deltoid/rhomboids/lower trapezius
SLER – infraspinatus/teres minor
T band Scaption with scapula squeezes – lower trapezius/subscapularis
Dumbbell Shrugs – upper trapezius

PHASE THREE: 4-6 weeks →Functional training to include core and lower extremity strengthening Lat pull down – latissimus dorsi D1 – posterior deltoid/subscapularis Chest flies – pectoralis major Dumbbell one arm row – rhomboids/posterior deltoid Smith press push-ups – serratus anterior Medicine ball chops – serratus anterior Cable reverse fly – rhomboids/posterior deltoid High pulls – upper trapezius Prone HAB with ER – lower trapezius Abdominal Planks – core strength



PHASE FOUR: week 6 – return to swimming →Progressive return to swimming Power shrugs – core/upper trap Cable upright row – upper trap Cable high to low chops – serratus anterior Supine dumbbell pullovers – serratus anterior Seated cable row - rhomboids Incline bench press – pectoralis major/minor Dumbbell lateral raises – middle deltoid Barbell push-press – quadriceps/gluteus maximus/deltoid Power rope circuit – core stability/upper body strength Lower body strengthening program

Initiate interval swimming program only when swimmer has full pain-free range of motion and full strength of glenohumeral and scapulothoracic muscles.

Return to the Pool

Progressive return to swimming is vital. Yardage and frequency of workouts should be adjusted to each individual. Prior to beginning this program a starting point of yardage should be determined based on the average daily yardage performed before the injury. A good place to start is a 1000-yard swim of any stroke in order to for the swimmer to "feel the water" and gain confidence. Any increase in pain or discomfort throughout this program warrants re-evaluation of stroke mechanics and a decrease in yardage by 500 to 1000 yards per practice until swimmer is pain-free.

Stroke progression: breast \rightarrow crawl \rightarrow back \rightarrow butterfly

Initial focus is on proper technique. Begin with slow cadence and increase speed as tolerated. Increase rest time between laps by 5-10 minutes as yardage increases.

Recommended initial frequency is 3x/week with a rest day between each session. Begin back-toback sessions 4x/week followed by 5x/week followed by 6x/week every 2 weeks as long as swimmer is pain-free.

100 to 300 YARD STAGE

Step 1: Swim 100 yards Rest 5 minutes Swim 100 yards Step 2: Swim 100 yards Rest 5 minutes Swim 100 yards Rest 10 minutes Swim 100 yards

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Step 3: Swim 150 yards Rest 10 minutes Swim 150 yards Step 4: Swim 300 yards 300 to 600 YARD STAGE Step 1: Swim 300 yards Step 2: Swim 300 yards Rest 10 minutes Swim 100 yards Step 3: Swim 300 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Step 4: Swim 300 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Step 5: Swim 600 yards 600 to 1000 YARD STAGE Step 1: Swim 600 yards Step 2: Swim 600 yards Rest 10 minutes Swim 100 yards Step 3: Swim 600 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Step 4: Swim 600 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Step 5: Swim 600 yards Rest 5 minutes Swim 100 yards



Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Swim 100 yards Rest 5 minutes Step 6: Swim 1000 yards

Continue dry-land rehabilitation 2-3x/week

Focus on one stroke at a time. When second stroke is incorporated, begin at first stage. Return to team practice when all strokes can be performed for 1000 yards with increased speed and only if swimmer is completely pain-free.