



# SPECTRUM MEDICAL

Surgical Date: \_\_\_\_\_

Rehab Start Date: \_\_\_\_\_

Football Throwing Protocol

## INTERVAL THROWING PROGRAM FOOTBALL

The interval throwing program is designed so that the athlete can achieve his or her individual level of throwing safely and without pain or complication. The ITP should be supplemented with a weight training program and a flexibility program to maintain the athlete in top physical condition. Weight training should be done on a throwing day and should emphasize high repetition with low weight as a maintenance program for the athlete. The athlete should be throwing every other day and using the day between for flexibility and rest. This program has been set up to minimize the risk for re-injury and emphasize pre-throwing warm-up, stretching, proper body mechanics, and the importance of weight training with the throwing athlete.

### Baseline requirements of throwing include:

1. Clearance by the athlete's physician
2. Pain-free ROM
3. Adequate muscle power
4. Adequate muscle resistance to fatigue

### Guidelines

1. Allow one day of rest between throwing sessions
2. Perform interval throwing program before engaging in strengthening routine
3. The athlete must complete two or three sessions at each step without complications before advancing

The athlete should warm-up by jogging, biking, or jumping rope to increase blood flow and increase muscular flexibility. Following warm-up, stretching should be performed. Emphasis should be placed on proper throwing and body mechanics. The athlete should begin with warm-up throws.

During the recovery process the athlete may experience soreness and possibly a dull, aching sensation in the muscles and tendons. If the athlete experiences sharp pain, particularly in the joint, stop all throwing activity until the pain ceases and call the athlete's physician if the pain continues.

It is essential that the thrower complete each individual phase with the proper throwing and body mechanics and without an increase in pain. Once the phase has been completed, the athlete then progresses to the next phase. This sets up a progression that an individual goal is achieved prior to advancement instead of advancing at a specified time. The program is based on an individual thrower, and because all throwers will vary, there is no time for completion of the program. This progression greatly decreases the chance for re-injury and greatly increases the most adequate and safest route to return to competition.

### Phase I (10 yards)

#### Step I

- Warm-up throwing
- 10 yds 25 throws
- Rest for 15 minutes
- Warm-up throwing
- 10 yds 25 throws

#### Step II

- Warm up throwing
- 10 yds 25 throws
- Rest for 10 minutes
- Warm-up throwing
- 10 yds 25 throws
- Rest for 10 minutes
- Warm-up throwing
- 10 yds 25 throws



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## Phase II (20 yards)

### Step I

- Warm up throwing
- 20 yds 25 throws
- Rest for 15 minutes
- Warm-up throwing
- 20 yds 25 throws

### Step II

- Warm-up throwing
- 20 yds 25 throws
- Rest for 10 minutes
- Warm up throwing
- 20 yds 25 throws
- Rest for 10 minutes
- Warm up throwing
- 20 yds 25 throws

## Phase III (30 yards)

### Step I

- Warm-up throwing
- 30 yds 15 throws
- Rest for 15 minutes
- Warm-up throwing
- 30 yds 15 throw

### Step II

- Warm-up throwing
- 30 yds 15 throws
- Rest for 10 minutes
- Warm-up throwing
- 30 yds 15 throws
- Rest for 10 minutes
- Warm-up throwing
- 30 yds 15 throws

## Phase III (40 yards)

### Step I

- Warm-up throwing
- 40 yds 15 throws
- Rest for 15 minutes
- Warm-up throwing
- 40 yds 15 throws

### Step II

- Warm-up throwing
- 40 yds 15 throws
- Rest 10 minutes
- Warm-up throwing
- 40 yds 15 throws
- Rest 10 minutes



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- Warm-up throwing
- 40 yds 15 throws

### Phase IV (50 yards)

#### Step I

- Warm-up throwing
- 50 yds 10 throws
- Rest for 15 minutes
- Warm-up throwing
- 50 yds 10 throws

#### Step II

- Warm-up throwing
- 50 yds 10 throws
- Rest for 10 minutes
- Warm-up throwing
- 50 yds 10 throws
- Rest for 10 minutes
- Warm-up throwing
- 50 yds 10 throws

### Phase V Deep Passes

#### Step I

- Warm-up throwing
- Deep route 10 throws
- Rest for 15 minutes
- Warm-up throwing
- Deep route 10 throws

#### Step II

- Warm-up throwing
- Deep route 10 throws
- Rest for 10 minutes
- Warm-up throwing
- Deep route 10 throws
- Rest for 10 minutes
- Warm-up throwing
- Deep route 10 throws