

COLUMBIA UNIVERSITY CENTER FOR SHOULDER, ELBOW AND SPORTS MEDICINE

Christopher S. Ahmad, MD Office (212) 305-5561 Fax (212) 305-4040

Louis U. Bigliani, MD Office (212) 305-5564 Fax (212) 305-0999

Edwin Cadet, MD Office (212) 305-4626 Fax (212) 305-4040

William N. Levine, MD Office (212) 305-0762 Fax (212) 305-4040

Appointment Scheduling (212) 305-4565

Mailing Address: 622 West 168th Street, PH-11 New York, NY 10032

Office Locations: 51 West 51st Street, Ste 370 New York, NY 10019

161 Ft. Washington Ave. New York, NY 10032

500 Grand Avenue Englewood, NJ 07631

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Return to Volleyball Guidelines

General Principles:

- All skills should be performed in the presence of an Athletic Trainer, Physical Therapist, or qualified coach to stress proper mechanics.
- The athlete should ice the affected extremity for 20 minutes following any overhead activity.
- The athlete should only progress to the next Step of each Phase if he/she is able to complete the current Step without pain or difficulty.
- Under the direction of the Physical Therapist or Athletic Trainer, the athlete may progress through the Steps and Phases as tolerated.
- Emphasis should be placed on developing and maintaining proper mechanics without developing symptoms.

Volleyball Key:

Attack Hits: Approach and spike at the net Full Court Hits: Back row, standing overhead hit (no jump) across a full court

Step 1

20 warm-up hits (50%) 8 attack hits (50%), 2 sets* 10 easy full court hits

Step 2

20 warm-up hits (50%) 10 attack hits (50%), 2 sets* 4 serves (50%) 10 easy full court hits

Step 3

20 warm-up hits (50%) 8 attack hits (50%), 3 sets* 4 serves (50%), 2 sets* 10 easy full court hits

Step 4

20 warm-up hits (50%) 10 attack hits (50%), 3 sets* 4 serves (50%), 3 sets* 10 easy full-court hits



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Step 5

20 warm-up hits (75%) 8 attack hits (75%), 3 sets* 3 serves (75%), 3 sets* 15 easy full-court hits

Step 6

30 warm-up hits (75%) 9 attack hits (75%), 3 sets* 3 serves (75%), 3 sets* 15 easy full-court hits

Step 7

30 warm-up hits (75%) 10 attack hits (75%), 4 sets* 4 serves (75%), 3 sets* 15 easy full-court hits

Step 8

30 warm-up hits (75%) 8 attack hits (100%), 4 sets* 5 serves (75%), 4 sets* 20 easy full-court hits

Step 9

30 warm-up hits (75%) 10 attack hits (100%), 4 sets* 5 serves (100%), 4 sets* 20 easy full-court hits

Step 10

30 warm-up hits (75%) 12 attack hits (100%), 4 sets* 5 serves (100%), 4 sets* 20 easy full-court hits

*** Rest 45-60 seconds between hits, 6-8 minutes between sets. If the athlete experiences pain or soreness following completion of the step, take 1 day off and repeat the step again. If no soreness, advance 1 step every day.

Reference: Hurd, W., Hunter-Giordano, A., Axe, M., & Snyder-Mackler, L. Data-based Interval Hitting Program for Female College Volleyball Players. Sports Health., 2009.