	Figure #	Type of Manipulation	Restricted Motion
2	Figure 2-10	Joint manipulation non-thrust 1	Shoulder General Limitation
2	Figure 2-11	Joint manipulation non-thrust 2	Limited Shoulder Flexion
2	Figure 2-12	Joint manipulation non-thrust 3	Limited Shoulder Flexion
2	Figure 2-13 Figure 2-14	Joint manipulation, thrust	Limited Shoulder Flexion Limited Shoulder Flexion
2	Figure 2-14 Figure 2-15	Muscle Energy  Mobilization with movement 1	Limited Shoulder Flexion Limited Shoulder Flexion (Glenohumeral)
2	Figure 2-16	Mobilization with movement 2	Limited Shoulder Flexion (Glerioridineral)
2	Figure 2-17	Mobilization with movement	Limited Shoulder Flexion (Ribs/Thoracic)
2	Figure 2-23	Joint manipulation, non-thrust 1	Limited Shoulder Extension
2	Figure 2-24	Joint manipulation, non-thrust 2	Limited Shoulder Extension (horizontal)
2	Figure 2-25	Joint Manipulation thrust	Limited Shoulder Extension
2	Figure 2-26	Muscle energy technique	Limited Shoulder Extension
2	Figure 2-27A	Mobilization with movement	Limited Shoulder Extension
2	Figure 2-32	Joint manipulation non-thrust 1	Shoulder Abduction
2	Figure 2-33	Joint manipulation non-thrust 2 Joint Manipulation thrust	Shoulder Abduction (horizontal) Shoulder Abduction
2	Figure 2-34A Figure 2-35	Muscle energy technique 1	Shoulder Abduction Shoulder Abduction
2	Figure 2-36	Muscle energy technique 1  Muscle energy technique 2	Should Abduction (Sternoclavicular)
2	Figure 2-37B	Mobilization with movement 1	Shoulder Abduction
2	Figure 2-38	Mobilization with movement 2	Shoulder Abduction (Scapulothoracic)
2	Figure 2-43A	Joint Manipulation, non-thrust 1	Shoulder Adduction
2	Figure 2-44B	Joint manipulation, non-thrust 2	Shoulder Horizontal (Flexion) Adduction (Sternoclavicular)
2	Figure 2-45	Joint Manipulation, thrust	Shoulder Horizontal Adduction
2	Figure 2-46	Muscle energy technique	Shoulder Horizontal Adduction
2	Figure 2-47	Mobilization with movement	Shoulder Horizontal Adduction
2	Figure 2-52	Joint manipulation, non-thrust	Shoulder Internal Rotation
2	Figure 2-53	Joint Manipulation thrust	Shoulder Internal Rotation Limited Shoulder Internal Rotation
2	Figure 2-54A Figure 2-55C	Muscle energy technique  Mobilization with movement	Limited Shoulder Internal Rotation Limited Shoulder Internal Rotation
2	Figure 2-55C	Joint Manipulation non-thrust	Shoulder External Rotation
2	Figure 2-61	Joint Manipulation thrust	Shoulder External Rotation
2	Figure 2-62A	Muscle Energy Technique	Shoulder External Rotation
2	Figure 2-63A	Mobilization with movement	Shoulder External Rotation
2	Figure 2-6A	Joint Traction	Shoulder
2	Figure 2-7	Mobilization with movement	Limited Shoulder Mobility
3	Figure 3-10	Joint Traction, Radiohumeral Distraction	Limited Elbow Mobility
	Figure 3-11	Joint Traction, Radial Glide	Limited Elbow Mobility
	Figure 3-12	Joint Manipulation non-thrust 1	Limited Elbow Mobility
3	Figure 3-13	Joint Manipulation non-thrust 2	Limited Elbow Flexion (Humeroulnar joint)
3	Figure 3-14	Joint Manipulation thrust	Limited Elbow Flexion Limited Elbow Flexion
3	Figure 3-15 Figure 3-16	Muscle Energy  Mobilization with movement	Limited Elbow Flexion
3	Figure 3-21	Joint Manipulation non-thrust	Limited Elbow Flexion
3	Figure 3-22	Joint Manipulation, thrust	Limited Elbow Extension
3	Figure 3-23	Muscle Energy	Limited Elbow Extension
3	Figure 3-24	Mobilization with movement	Limited Elbow Extension
3	Figure 3-29	Joint manipulation, proximal radioulnar joint, non-thrust	Limited Elbow Supination
3	Figure 3-30	Joint manipulation, proximal radioulnar joint, non-thrust	Limited Elbow Supination
3	Figure 3-31	Joint manipulation, thrust	Limited Elbow Supination
3	Figure 3-32	Muscle Energy	Limited Elbow Supination
3	Figure 3-33	Mobilization with movement	Limited Elbow Supination
3	Figure 3-38	Joint manipulation, non-thrust 1	Limited Elbow Pronation
3	Figure 3-39	Joint manipulation, non-thrust 2	Limited Elbow Pronation Limited Elbow Pronation
3	Figure 3-40 Figure 3-41	Joint Manipulation, thrust Muscle Energy	Limited Elbow Pronation
3	Figure 3-42	Mobilization with movement	Limited Elbow Pronation (Distal Radioulnar Joint)
3	Figure 3-9	Joint Traction, Elbow Distraction	Limited Elbow Mobility
4	Figure 4-10A	Joint manipulation, non-thrust 2	Limited Wrist Mobility
4	Figure 4-11A	Joint manipulation, non-thrust 3	Limited Wrist Mobility
4	Figure 4-11B	Joint manipulation, non-thrust 4	Limited Wrist Flexion
4	Figure 4-12	Joint manipulation, thrust	Limited Wrist Flexion
4	Figure 4-13A-B	Muscle Energy	Limited Wrist Flexion
4	Figure 4-14A-B	Mobilization with movement	Limited Wrist Flexion
4	Figure 4-19	Joint manipulation, non-thrust	Limited Wrist Extension
4	Figure 4-20A	Joint manipulation, thrust	Limited Wrist Extension
4	Figure 4-21 Figure 4-22A	Muscle Energy  Mobilization with movement	Limited Wrist Extension Limited Wrist Extension
4	Figure 4-26A	Self-Mobilization	Limited Wrist Extension
4	Figure 4-27	Joint manipulation, non-thrust	Limited Wrist Ulnar Deviation
4	Figure 4-28	Joint manipulation, thrust	Limited Wrist Ulnar Deviation
4	Figure 4-29	Muscle Energy	Limited Wrist Ulnar Deviation
4	Figure 4-30	Mobilization with movement	Limited Wrist Ulnar Deviation
4	Figure 4-35	Joint manipulation, non-thrust	Limited Wrist Radial Deviation
4	Figure 4-36B	Joint manipulation, thrust	Limited Wrist Radial Deviation
	Figure 4-37	Muscle Energy	Limited Wrist Radial Deviation
	Figure 4-38	Mobilization with movement	Limited Wrist Radial Deviation
4	Figure 4-8B	Joint Traction  Joint manipulation, non-thrust 1	Limited Wrist Mobility
5	Figure 4-9 Figure 5-10A	Joint manipulation, non-thrust 1 Joint Traction	Limited Wrist Mobility Limited Finger and Thumb Mobility
5	Figure 5-10A Figure 5-13	Joint Manipulation, non-thrust 1	Limited Finger and Thumb Mobility Limited Finger and Thumb Mobility
5	Figure 5-14	Muscle Energy	Limited Thumb Opposition
5	Figure 5-16	Joint Manipulation, non-thrust 2	Limited Thumb CMC Flexion
5	Figure 5-17	Joint Manipulation, thrust	Limited Finger (MCP, PIP, DIP) and Thumb (MCP, IP) Flexion
5	Figure 5-18	Mobilization with movement	Limited Finger and Thumb MCP/PIP/DIP/IP Flexion
5	Figure 5-20	Mobilization with movement	Limited Thumb CMC Flexion
5	Figure 5-23	Myofascial manipulation	Limited Finger and Thumb Flexion
5	Figure 5-28	Joint manipulation, non-thrust 1	Limited Finger (MCP, PIP and DIP) and Thumb (MCP, IP) Extension
5	Figure 5-29	Joint manipulation, non-thrust 2	Limited Thumb CMC Joint Extension (radial abduction)
5	Figure 5-30A	Joint manipulation, thrust 2	Limited Finger (MCP, PIP, PIP) and Thumb Extension (MCP, IP)
5	Figure 5-30B	Joint manipulation, thrust 1	Limited Finger (MCP, PIP, PIP) and Thumb Extension (MCP, IP)
5	Figure 5-31A	Muscle Energy  Mobilization with movement	Limited Finger (MCP, PIP, DIP) and Thumb Extension (CMC, MCP, IP) Limited Finger (MCP/PIP/DIP) and Thumb (IP) Extension
. 7	Figure 5-32 Figure 5-40	Joint manipulation, non-thrust 1	Limited Finger (INICE/FIF/DIF) and Thumb (IF) EXTENSION
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5		Joint manipulation, non-thrust 2	Limited Thumb CMC Abduction (Palmar Abduction)
5	Figure 5-41 Figure 5-42	Joint manipulation, non-thrust 2 Joint manipulation, thrust 1	Limited Thumb CMC Abduction (Palmar Abduction) Limited Finger Abduction (MCP)
5 5	Figure 5-41		
5 5 5	Figure 5-41 Figure 5-42	Joint manipulation, thrust 1	Limited Finger Abduction (MCP)

	Figure #	Type of Manipulation	Restricted Motion
5	Figure 5-45	Muscle Energy	Limited Finger Abduction
5	Figure 5-46	Mobilization with movement 1	Limited Thumb CMC Abduction (Palmar Abduction)
5	Figure 5-47	Mobilization with movement 2	Limited Finger Abduction
5	Figure 5-54	Joint manipulation, non-thrust 1	
5	Figure 5-55	Joint manipulation, non-thrust 2	Limited Thumb CMC Adduction
5	Figure 5-56	Joint manipulation, thrust 1	Limited Finger MCP Adduction
5	Figure 5-57	Joint manipulation, thrust 2	Limited Thumb CMC Adduction
5	Figure 5-58	Muscle Energy	Limited Finger Adduction
5	Figure 5-59	Mobilization with movement, 1	Limited Thumb Adduction
5	Figure 5-60	Mobilization with movement, 2	Limited Finger Adduction
6	Figure 6-10	Mobilization with movement	Limited Hip Flexion
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6	Figure 6-15	Joint manipulation, non-thrust	Limited Hip Extension
6	Figure 6-16	Joint manipulation, thrust	Limited Hip Extension
6	Figure 6-17	Muscle Energy	Limited Hip Extension
6	Figure 6-18C	Mobilization with movement	Limited Hip Extension
6	Figure 6-23	Joint manipulation non-thrust	Limited Hip Abduction
6	Figure 6-24A	Joint Manipulation thrust 1	Limited Hip Abduction
6	Figure 6-24B	Joint Manipulation thrust 2	Limited Hip Abduction
6	Figure 6-25	Muscle Energy	Limited Hip Abduction
6	Figure 6-26	Mobilization with movement	Limited Hip Abduction
6	Figure 6-31	Joint Manipulation, non-thrust	Limited Hip Adduction
6	Figure 6-32	Joint Manipulation, thrust	Limited Hip Adduction
6	Figure 6-33	Muscle Energy	Limited Hip Adduction
6	Figure 6-34	Mobilization with movement	Limited Hip Adduction
6	Figure 6-39	Joint Manipulation non-thrust	Limited Hip Internal Rotation
6	Figure 6-40	Joint Manipulation thrust	Limited Hip Internal Rotation
6	Figure 6-41A	Muscle Energy	Limited Hip Internal Rotation
6	Figure 6-41A	Mobilization with movement	Limited Hip Internal Rotation
-			Limited Hip External Rotation
6	Figure 6-47	Joint Manipulation non-thrust	,
6	Figure 6-48	Joint Manipulation thrust	Limited Hip External Rotation
6	Figure 6-49A	Muscle Energy	Limited Hip External Rotation
6	Figure 6-50	Mobilization with movement	Limited Hip External Rotation
6	Figure 6-6	Joint Traction	Limited Hip Mobility
6	Figure 6-7	Joint manipulation, non-thrust	Limited Hip Flexion
6	Figure 6-8	Joint manipulation, thrust	Limited Hip Flexion
6	Figure 6-9	Muscle Energy	Limited Hip Flexion
7	Figure 7-10	Muscle Energy	Limited Knee Flexion
7	Figure 7-11	Mobilization with movement	Limited Knee Flexion
7	Figure 7-17	Joint Manipulation, non-thrust	Limited Knee Extension
7	Figure 7-18	Joint Manipulation, thrust	Limited Knee Extension
7	Figure 7-19	Muscle Energy	Limited Knee Extension
7	Figure 7-20	Mobilization with movement	Limited Knee Extension
7	Figure 7-26B	Joint Manipulation, non-thrust	Limited Knee Tibial Internal Rotation
7	Figure 7-27	Joint manipulation, thrust	Limited Knee Internal Rotation
7	Figure 7-28	Muscle Energy	Limited Knee/Tibial Internal Rotation
7	Figure 7-29	Mobilization with movement	Limited Knee Internal Rotation
7			
	Figure 7-34	Joint Manipulation, non-thrust	Limited Knee/Tibial External Rotation
7	Figure 7-35	Joint manipulation, thrust	Limited Knee External Rotation
7	Figure 7-36	Muscle Energy	Limited Knee/Tibial External Rotation
7	Figure 7-37	Mobilization with movement	Limited Knee External Rotation
7	Figure 7-8B	Joint Manipulation, non-thrust	Limited Knee External Flexion
7	Figure 7-9	Joint Manipulation, thrust	Limited Knee Flexion
8	Figure 8-10	Joint Manipulation, non-thrust 3	Limited Ankle Dorsiflexion (Distal Tibiofibular Joint)
8	Figure 8-11A	Joint manipulation, thrust 1	Limited Ankle Dorsiflexion (Proximal Tibiofibular Joint)
8	Figure 8-12	Joint manipulation, thrust 2	Limited Ankle Dorsiflexion (Talocrural Joint)
8	Figure 8-13A	Muscle Energy	Limited Ankle Dorsiflexion
8	Figure 8-14A	Mobilization with movement	Limited Ankle Dorsiflexion (Talocrural and PTF Joints)
8	Figure 8-19A	Joint manipulation, non-thrust 1	Limited Ankle Plantarflexion (Talocrural)
8	Figure 8-20	Joint manipulation, non-thrust 2	Limited Ankle Plantarflexion (PTFJ Limitation)
8	Figure 8-21	Joint manipulation, thrust	Limited Ankle Plantarflexion (PTFJ Limitation)
8	Figure 8-23	Muscle Energy	Limited Ankle Plantarflexion
8	Figure 8-24	Mobilization with movement	Limited Ankle Plantarflexion (Talocrural Joint)
8	Figure 8-29	Joint manipulation, non-thrust	Limited Ankle Inversion
			Limited Ankle Inversion Limited Ankle Inversion
8	Figure 8-30	Joint manipulation, thrust	
8	Figure 8-31	Muscle Energy  Makilization with movement	Limited Ankle Inversion
8	Figure 8-32	Mobilization with movement	Limited Ankle Inversion
8	Figure 8-37A	Joint manipulation, non-thrust	Limited Ankle Eversion
8	Figure 8-38A	Joint manipulation, thrust	Limited Ankle Eversion
8	Figure 8-38B	Joint manipulation, thrust	Limited Ankle Eversion
8	Figure 8-39A	Muscle Energy	Limited Ankle Eversion
8	Figure 8-40	Mobilization with movement	Limited Ankle Eversion
8	Figure 8-7B	Joint Traction	Limited Ankle Mobility
8	Figure 8-8B	Joint Manipulation, non-thrust 1	Limited Ankle Dorsiflexion (Proximal Tibiofibular Joint)
8	Figure 8-9A	Joint Manipulation, non-thrust 2	Limited Ankle Dorsiflexion (Talocrural Joint)
9	Figure 9-12	Joint manipulation, non-thrust	Midfoot Limited Supination
9	Figure 9-13	Joint manipulation, thrust 1	Midfoot Limited Supination (Cuneiforms, Cuboid)
9	Figure 9-14	Joint manipulation, thrust 2	Midfoot Limited Supination (Navicular)
9	Figure 9-15	Muscle Energy	Midfoot Limited Supination
9	Figure 9-16A	Mobilization with Movement 1	Midfoot Limited Supination
9	Figure 9-16B	Mobilization with Movement 2	Midfoot Limited Supination
9	Figure 9-10B	Joint manipulation, non-thrust 1	Forefoot Limited Tarsal Mobility
9			
	Figure 9-22	Joint manipulation, non-thrust	Forefoot Limited Plantarflexion
9	Figure 9-23	Joint manipulation, non-thrust 2	Forefoot Limited Tarsal Mobility
9	Figure 9-24	Joint manipulation, thrust	Forefoot Limited Dorsiflexion
9	Figure 9-25	Muscle Energy	Forefoot Limited Dorsiflexion
9	Figure 9-26	Mobilization with Movement	Forefoot Limited Dorsiflexion
9	Figure 9-31	Joint manipulation, non-thrust	Forefoot Limited Dorsiflexion, Sesamoid Dysfunction
9	Figure 9-32	Joint manipulation, thrust	Forefoot Limited Plantarflexion
9	Figure 9-33	Muscle Energy	Forefoot Limited Plantarflexion
9	Figure 9-34	Mobilization with Movement	Forefoot Limited Plantarflexion
9	Figure 9-4A	Joint manipulation, non-thrust	Midfoot Limited Pronation
9	Figure 9-5A	Joint manipulation, thrust	Midfoot Limited Pronation
	Figure 9-6	Muscle Energy	Midfoot Limited Pronation
9	rigule 9-0		
9	Figure 9-7A	Mobilization with Movement	Midfoot Limited Pronation