Table of Contents 85 Treatment Guides 283 Handouts

ADLs and IADLs

Activities of Daily Living Training

Bathing and Showering

Clothing Care

Community Mobility

Dressing

Driving

Feeding

Functional Communication

Functional Mobility

Grooming and Oral Hygiene

Handwriting

Leisure, Recreation and Social Participation

Light Housework

Managing Finances and Mail

Meal Preparation

Medication and Health Management

Rest and Sleep

Shopping

Toileting

Interventions

Apraxia

Balance

Cognition

Fall Risk Assessment and Prevention

Home Safety and Modification

Therapeutic Exercise

Visual Perception

Conditions and Diseases

Adhesive Capsulitis

Alzheimer's Disease and Related Disorders – Early Stage

Alzheimer's Disease and Related Disorders - Mid Stage

Alzheimer's Disease and Related Disorders – Late Stage

Amputation of the Lower Extremity

Amyotrophic Lateral Sclerosis

Biceps Tendinitis

Breast Cancer

Cancer

Cardiac Disease

Cardiac Surgery

Carpal Tunnel Syndrome - Conservative Management

Carpal Tunnel Syndrome - Surgical Management

Cervical Spine Surgery

Cervical Radiculopathy and Myelopathy

Chronic Kidney Disease

Chronic Pain

Complex Regional Pain Syndrome- Post-Stroke

Cubital Tunnel Syndrome (Ulnar Neuropathy)

Depression

De Quervain's Syndrome - Conservative Management

De Quervain's Syndrome - Surgical Management

Diabetes - Type 2

Dizziness

Epicondylitis

Essential Tremor

Extreme Obesity/Exceptionally Large Persons

Fracture of the Elbow (Olecranon and Radial Head)

Fracture of the Femur

Fracture of the Shoulder (Proximal Humerus and Humeral Shaft)

Fracture of the Wrist (Distal Radius)

Frail Elderly/Oldest Old +85

Guillain-Barré Syndrome

Hip Replacement (Arthoplasty)

Hospice

Joint Contractures

Knee Replacement (Arthoplasty)

Low Vision and Blindness

Lumbar Spine Surgery

Lumbar Radiculopathy

Mild Cognitive Impairment

Multiple Sclerosis

Myocardial Infarction

Osteoarthritis

Osteoporosis

Parkinson's Disease

Peripheral Neuropathy

Post-Poliomyelitis Syndrome

Pressure Ulcers

Pulmonary Disease

Rheumatoid Arthritis

Rotator Cuff Impingement, Tendonitis and Tears

Rotator Cuff Repair

Scleroderma/Systemic Sclerosis

Spinal Cord Injury

Stroke

Total Shoulder Replacement (Arthoplasty)

Urinary Incontinence

Vertebral Compression Fractures

ADL Handouts

Bathing and Showering

Adaptive Equipment for Bathing and Showering **

Bathing and Showering Tips

Placement of Grab Bars - Left Side

Placement of Grab Bars - Right Side

Dressing

Adaptive Equipment for Dressing

Dressing Tips

Putting on Open Front Garment Using a Dressing Stick

Putting on Pants and Underwear Using a Dressing Stick

Putting on Pullover Garment Using a Dressing Stick

Putting on/Removing Lower Body Clothing Method

Putting on/Removing Lower Body Clothing Method

Putting on/Removing Lower Body Clothing in Supine

Putting on/Removing Lower Body Clothing Using a Footstool

Putting on/Removing Open Front Garment Two Shoulder Drape

Putting on/Removing Open Front Garment One Shoulder Drape

Putting on/Removing Pullover Garment Arm-Head-Arm

Putting on/Removing Pullover Garment Head-Arm-Arm

Putting on/Removing Socks/Shoes with Adaptive Equipment

Putting on/Removing Support Stockings

Removing Pants and Underwear Using a Dressing Stick

Removing Pullover Garment Using a Dressing Stick

Using a Buttonhook

Dressing Using One-Handed Method – Left Side Affected

Putting on Open Front Garment

Putting on Pants and Underwear

Putting on Pullover Garment

Putting on/Removing Bra

Putting on Socks and Shoes

Removing Open Front Garment

Removing Pants and Underwear

Removing Pullover Garment

Shoe Tying

Dressing Using One-Handed Method – Right Side Affected

Putting on Open Front Garment

Putting on Pants and Underwear

Putting on Pullover Garment

Putting on/Removing Bra

Putting on Socks and Shoes

Removing Open Front Garment

Removing Pants and Underwear

Removing Pullover Garment

Shoe Tying

Feeding

Adaptive Equipment for Feeding

Functional Mobility

Adaptive Equipment for Mobility **

Assisted Sit Pivot Transfers Moving to the Left **

Assisted Sit Pivot Transfers Moving to the Right **

Assisted Stand Pivot Transfers Moving to the Left **

Assisted Stand Pivot Transfers Moving to the Right **

Bridging **

Getting Down On the Floor **

Getting In and Out of Bed Following Hip Surgery **

Getting In and Out of Bed – Left Hemiparesis **

Getting In and Out of Bed - Right Hemiparesis **

Getting In Bed towards Your Left Side **

Getting In Bed towards Your Right Side **

Getting In and Out of Bed with Help, Towards the Left Side **

Getting In and Out of Bed with Help, Towards the Right Side **

Getting Out of Bed towards Your Left Side **

Getting Out of Bed towards Your Right Side **

Getting Up From the Floor **

Moving Side-to-Side in Bed **

Rolling onto Your Side in Bed **

Scooting Up in Bed **

Sit Pivot Transfers Moving to the Left **

Sit Pivot Transfers Moving to the Right **

Sitting Down **

Sitting Down Following Hip Surgery **

Standing Up **

Standing Up Following Hip Surgery **

Standing Up with Help **

Transfer Board – Moving to the Left **

Transfer Board – Moving to the Right **

Transfer to Tub Using Bath Seat (back up, left) **

Transfer to Tub Using Bath Seat (back up, right) **

Transfer to Tub Using Bath Seat (left leg, right leg, sit) **

Transfer to Tub Using Bath Seat (right leg, left leg, sit) **
Transfer to Tub Using Bath Seat (left leg, sit, right leg) **

Transfer to Tub Using Bath Seat (right leg, sit, left leg) **

Transfer to Tub Using Bath Transfer Bench (left) **

Transfer to Tub Using Bath Transfer Bench (right) **

Transfers In and Out of a Car **

Wheelchair to Tub Using Bath Transfer Bench (left) **

Wheelchair to Tub Using Bath Transfer Bench (right) **

Wheelchair Mobility **

Grooming and Oral Hygiene

Adaptive Equipment for Grooming and Oral Hygiene

Toileting

Adaptive Equipment for Toileting **
Toileting Tips

Meal Preparation and Clean Up

Adaptive Equipment for One-Handed Meal Preparation Managing Kitchen Tasks from a Walker Managing Kitchen Tasks from a Wheelchair One-Handed Meal Preparation

Medication Routine

Healthcare Providers Appointments Medication Management Resources Tips for Making and Keeping Healthcare Appointments

Exercise Handouts

Balance

Balance Exercise Guidelines **

Core Exercise Guidelines **

Core Exercises – Back Muscles **

Core Exercises – Pelvic Muscles **

Core Exercise - Stomach Muscles **

Dynamic Balance Exercises **

Sitting Balance Exercises **

Stability Ball Exercise Guidelines **

Stability Ball Exercises - Back Muscles **

Stability Ball Exercises - Pelvic Muscles **

Stability Ball Exercises - Stomach Muscles **

Static Balance Exercises **

Elbow, Forearm, Wrist

Elbow, Forearm and Wrist Active ROM Exercises **

Elbow, Forearm and Wrist Strengthening Exercises **

Elbow, Forearm and Wrist Stretching Exercises **

Forearm and Wrist Active ROM Exercises **

Forearm and Wrist Strengthening Exercises **

Forearm and Wrist Stretching Exercises **

Cardiopulmonary

Arm Cycle Guidelines **
Pulmonary Exercises **

General

Active Movement of the Elbow, Wrist and Hand **

Active Movement of the Shoulder and Hand **

Active Movement of the Shoulder, Elbow and Hand **

Arm Exercises

Ball Exercises

Exercise Guidelines for Amyotrophic Lateral Sclerosis **

Exercise Guidelines for Arthritis **

Exercise Guidelines for Diabetes **

Exercise Guidelines for Multiple Sclerosis **

Exercise Guidelines for Orthopedic Conditions **

Exercise Guidelines for Post-Poliomyelitis Syndrome **

Exercise Guidelines for Renal Conditions **

Face and Neck Active ROM Exercises

Gross Motor Activities

Osteoporosis Extension Exercises **

Passive ROM Exercises **

Passive ROM Exercises – Left Hemiparesis **

Passive ROM Exercises - Right Hemiparesis **

Resistance Band Arm Exercises **

Upper Body Active ROM Exercises

Upper Body Strengthening Activities

Hand

Fine Motor Activities

Hand Strengthening Putty Exercises **

Hand Stretching and Active ROM **

Median Nerve Gliding Exercises

Tendon Gliding Exercises

Neck

Neck Active ROM Exercises **

Neck Isometric Exercises **

Neck Strengthening Exercises **

Neck Stretches **

Parkinson's

Parkinson's Exercises **

Shoulder

Dowel Exercises Lying **

Dowel Exercises Seated **

Mastectomy Exercises **

Pendulum Exercises - Left **

Pendulum Exercises - Right **

Shoulder Active Exercises – Left **

Shoulder Active Exercises - Right **

Shoulder Active ROM Exercises **

Shoulder Isometric Exercises Left - Seated **

Shoulder Isometric Exercises Right – Seated **

Shoulder Isometric Exercises Left – Standing **

Shoulder Isometric Exercises Right - Standing **

Shoulder Passive and Active-Assisted Exercises – Left **

Shoulder Passive and Active-Assisted Exercises – Right **

Shoulder Pulley Exercises - Left **

Shoulder Pulley Exercises - Right **

Shoulder Strengthening – Free Weights - Left **

Shoulder Strengthening – Free Weights - Right **

Shoulder Strengthening – Resistive Band - Left **

Shoulder Strengthening – Resistive Band - Right **

Shoulder Stretching Exercises – Left ** Shoulder Stretching Exercises – Right **

Stroke

Level 1 Activities - Getting Your Affected Arm to Move

Level 2 Activities - Passive Stabilizer

Level 3 Activities - Active Stabilizer

Level 4 Activities - Gross Motor Assist

Level 5 Activities - Fine Motor Assist

Using Your Arm as an Active Stabilizer

Using Your Arm as a Gross Motor Assist

Using Your Arm as a Passive Stabilizer

Using Your Arm with Caregiver Assisted Guiding

Using Your Arm with Self-Guiding

Stroke Left Hemiparesis

Scapular Mobilization and Strengthening Exercises – Left **

Self Range of Motion – Left Hemiparesis

Weight Bearing Exercises – Left Hemiparesis

Stroke Right Hemiparesis

Scapular Mobilization and Strengthening Exercises - Right **

Self Range of Motion – Right Hemiparesis

Weight Bearing Exercises – Right Hemiparesis

Educational Handouts

Amputation of the Lower Extremity

Care of Your Residual Limb **

Donning Your Prosthesis and Socks **

Equipment Care - Prosthesis and Socks **

Phantom Limb Pain **

Positioning Your Residual Limb **

Cardiopulmonary

Activity Guidelines Following Cardiac Surgery **

Activity Guidelines Following Heart Attack **

Cardiac Precautions for Exercise **

Causes of Respiratory Panic and Distress **

Coordinating Your Breathing with Activities

Deep Breathing Exercise

Diaphragmatic Breathing **

Energy Conservation **

Energy Conservation with Meal and Home Management

Energy Conservation with Self Care Activities

Levels of Shortness of Breath

Pursed Lip Breathing **

Respiratory Panic and Distress Control Technique **

Self-Monitoring Your Heart Rate **

Sternal Precautions **

Cognition and Visual Perception

Daily Planning Notebook-Setting Up a Daily Planning Notebook

Daily Planning Notebook-Using Your Daily Planning Notebook

Daily Planning Notebook-Daily Schedule/Things To Do

Daily Planning Notebook-Important Phone Numbers

Daily Planning Notebook-Important Things to Remember

Daily Planning Notebook-Personal Information

Daily Planning Notebook-Shopping List

Functional Cognitive Activities

Suggestions for Improving Attention

Suggestions for Improving Figure Ground Discrimination

Suggestions for Improving Form Constancy

Suggestions for Improving Left Side Awareness

Suggestions for Improving Memory

Suggestions for Improving Motor Planning (Apraxia)

Suggestions for Improving Right Side Awareness

Suggestions for Improving Thinking Skills

Suggestions for Improving Vision

Suggestions for Improving Visual-Motor Integration

Suggestions for Improving Visual Spatial Relations

Low Vision

Communication Tasks

Controlling Glare

Eating Techniques

Functional Reading

Functional Vision

Improving Your Other Senses

Kitchen Management

Labeling and Marking

Lighting Guidelines

Medication Tips

Mobility Tips

Money Management

Recreational Ideas

Safety Tips

Using Contrast

Neurological

Cognitive Strategies to Improve Movement **

Functional Use of Affected Upper Extremity after Stroke

Handwriting Techniques for Parkinson's

Handwriting Component Exercises

Handwriting Cursive Exercises

Handwriting Pangrams

Positioning in Bed – Left Hemiparesis **

Positioning in Bed – Right Hemiparesis **

Proper Positioning When Sitting – Left Hemiparesis **

Proper Positioning When Sitting – Right Hemiparesis **

Protecting Your Arm – Left Hemiparesis ** Protecting Your Arm – Right Hemiparesis ** Strategies to Reduce Action Tremor

Orthopedic

Arthritic Joint Changes and Deformity

Body Mechanics **

Edema Control of the Arm **

Edema Control of the Leg(s) **

Everyday Activities after Cervical Surgery

Everyday Activities after Lumbar Surgery

Everyday Activities after Shoulder Surgery

Good Posture **

Hip Dislocation Precautions **

Joint Protection

Spinal Surgery Precautions **

Splint/Orthosis Instructions **

Splinting for Arthritis

Superficial Cold **

Superficial Heat **

Surgical Intervention in Arthritis

Other

Generously Sized Products

Good Sleep Habits

Healthy Bladder Habits **

Leisure Activities

Measuring Your Arm Following Mastectomy **

Pain Diary

Positioning in Bed to Minimize Pressure **

Pressure Relief **

Prevention and Control of Lower Extremity Lymphedema **

Prevention and Control of Upper Extremity Lymphedema **

Skin Inspection **

Stress Management and Relaxation Techniques

Safety

Daily Foot Care and Foot Safety **

Don't Let a Fall Get You Down **

Home Safety and Performance Assessment

Personal Emergency Response Systems **

Post-Fall Questionnaire **

Using Your Walker Safely **

Using Your Wheelchair Safely **

^{**} these handouts are also in the Physical Therapy Toolkit

Occupational Therapy TOOLKIT Dressing

Dressing includes selecting appropriate clothing for the time of day, weather and occasion; obtaining clothing from closets and drawers; dressing and undressing of openfront garments; pullover garments, bra, pant s, underwear, socks, panty hose, nylo ns, shoes, slippers, support and anti-embolism stockings; opening and closing fasteners; personal devices (hearing aides, eyeglasses , AFO, hand splint, back br prosthetics).

Impairments and Functional Limitations:

Impaired shoulder strength and/or ROM Impaired hand strength, ROM, sensation and/or coordination Impaired LE function Limited activity tolerance and endurance Impaired sitting balance Impaired standing balance Visual perceptual impairment Cognitive impairment

Occupational Therapy Intervention:

Apply different approaches for solving difficulties with dressing. Including but not limited to...

- Treat underlying limitations to safety and independence Physical (strength, hand function, ROM, coordination, balance, endurance, abnormal tone), sensory (tactile, vision, hearing, vestibular, pain), behavioral, cognition and/or perception.
- Train in compensatory strategies.
 - Safety techniques; one-handed techniques; energy conservation; low vision techniques; cognitive/perceptual compensation; task segmentation; joint protection; step-by-step instructions; hand-over-hand guiding
- Train in the use of adaptive equipment and assistive devices such as. Buttonhook; velcro closures on shoes; elastic shoelaces; long handled shoehorn; dressing stick; reacher; sock aid; zipper pull; walker tray or basket; labeling system for identifying clothes.
- Provide environmental modifications and adaptations such as. Avoid storing items on the floor; lower closet poles; organize clothes within easy reach; label drawers of contents using picture or words
- Instruct in activity modification
 - Change the task Place the weaker extremity into the garment first. Dress in a supine position

Occupational Therapy TOOLKIT Dressing

Occupational Therapy Intervention:

- Instruct in activity modification (continued)
 - Eliminate part or all of the task Choose garments that are easy to put on and remove such as: elastic waist pants, loose fitting tops, pullover tops, suspenders instead of a belt, Velcro or slip on shoes, front hook bra, sports bra, camisole.
 - o Have someone else do part or all of the task

Train in safe and efficient functional mobility (sit to stand; bed mobility skills; transfers; ambulation and wheelchair mobility) as it relates to dressing.

Provide caregiver/family education and training.

Patient and Caregiver Handouts:

| 1. | Adaptive Equipment for Dressing | 177 |
|------------|---|-----|
| 2. | Dressing Tips | 178 |
| 3. | Energy Conservation with Self Care Activities | 331 |
| 4 . | Putting on Open Front Garment Using a Dressing Stick | 180 |
| 5 . | Putting on Pants and Underwear Using a Dressing Stick | 182 |
| 6. | Putting on Pullover Garment Using a Dressing Stick | 184 |
| 7. | Putting on/Removing Lower Body Clothing Method 1 | 185 |
| 8. | Putting on/Removing Lower Body Clothing Method 2 | 187 |
| 9. | Putting on/Removing Lower Body Clothing in Supine | 188 |
| 10. | Putting on/Removing Lower Body Clothing Using a Footstool | 189 |
| 11. | Putting on/Removing Open Front Garment Two Shoulder Drape | 190 |
| 12. | Putting on/Removing Open Front Garment One Shoulder Drape | 191 |
| 13. | Putting on/Removing Pullover Garment Arm-Head-Arm | 192 |
| 14. | Putting on/Removing Pullover Garment Head-Arm-Arm | 193 |
| 15. | Putting on/Removing Socks/Shoes with Adaptive Equipment | 194 |
| 16. | Putting on/Removing Support Stockings | 196 |
| 17. | Removing Pants and Underwear Using a Dressing Stick | 198 |
| 18. | Removing Pullover Garment Using a Dressing Stick | 199 |
| 19. | Using a Buttonhook | 200 |
| Dress | ing Using One-Handed Method – Left Side Affected | |
| 20. | Putting on Open Front Garment | 201 |
| 21. | Putting on Pants and Underwear | 203 |
| 22. | Putting on Pullover Garment | 205 |
| 23. | Putting on/Removing Bra | 207 |
| 24. | Putting on Socks and Shoes | 209 |
| 25. | Removing Open Front Garment | 210 |

Occupational Therapy TOOLKIT Dressing

| Patient and Caregiver Handou | ts: |
|-------------------------------------|-----|
|-------------------------------------|-----|

| Dressi | ing Using One-Handed Method – Left Side Affected (continued) | |
|-------------|--|-----|
| 26 . | Removing Pants and Underwear | 211 |
| 27. | Removing Pullover Garment | 212 |
| 28. | Shoe Tying | 213 |
| Dressi | ing Using One-Handed Method – Right Side Affected | |
| 29. | Putting on Open Front Garment | 215 |
| 30. | Putting on Pants and Underwear | 217 |
| 31. | Putting on Pullover Garment | 219 |
| 32. | Putting on/Removing Bra | 221 |
| 33. | Putting on Socks and Shoes | 223 |
| 34. | Removing Open Front Garment | 224 |
| 35 . | Removing Pants and Underwear | 225 |
| 36. | Removing Pullover Garment | 226 |
| 37. | Shoe Tying | 227 |

Breast Cancer

Impairments and Functional Limitations:

ADL, IADL, work and leisure impairment Limited activity tolerance and endurance Limited ROM of shoulder Depression Impaired body image

Other symptoms and conditions — pathologic fractures, lymphedema, chemotherapy induced peripheral neuropathy, adhesive capsulitis, weight loss, fatigue

Occupational Therapy Intervention:

ADL, IADL, work and leisure training including but not limited to...

- Recommend and/or provide adaptive equipment.
- Encourage use of affected extremity during tasks.

Education on strategies to manage fatigue and conserve energy.

- Assess using the Modified Fatigue Impact Scale (Fisk 1994)
- Instruct in pacing and energy conservation strategies.
- Encourage performance of activities during medication peak times.
- Instruct in activity balancing for self-care, work, play and rest
- Instruct in good sleep hygiene
- Encourage keeping a diary to record tasks that increase fatigue and times of the day when fatigue is more of a problem.

Provide graded UE therapeutic activities and exercises to improve ROM and strength. Follow the referring surgeon's specific guidelines for ROM and lifting restrictions, and for progression of exercises. Instruct in home program with verbal and written instructions

Instruct in diaphragmatic breathing and proper posture during exercise and activities.

Prevent and control of lymphedema.

- Education on lymphedema prevention or risk factor reduction
- Obtain baseline measurements of both arms: mid-hand, wrist, 10 cm below the lateral epicondyle, elbow, 10 cm above the lateral epicondyle, and the upper arm just below the axilla.
- Measure arm periodically.
- Classifications using the American system: Mild 1.5-3.0 cm; Moderate 3.1-5.0 cm; Severe > 5.0 cm

Breast Cancer

Occupational Therapy Intervention:

Manage lymphedema using complete decongestive therapy/decongestive lymphatic therapy (only performed by a qualified therapist).

- Manual lymph drainage/massage
- Compression pump therapy
- Compression bandaging and compression garments
- Lymphedema exercises while wearing compression garments
- Scar tissue management including cross friction massage, scar pads, kinesiotape
- Home program for exercises, self massage, compression wrapping

Teach stress management and relaxation techniques such as progressive muscle relaxation, controlled breathing, self-hypnosis, guided imagery, autogenic training, tai chi, yoga and meditation.

Assist in developing effective communication skills, positive coping strategies (seek out information and support, find strength through spiritual practices, verbalize feelings and concerns, set realistic goals and express positive thoughts); and making informed decisions about medical and alternative treatments.

Educate patient and caregivers about breast cancer, the availability of community resources and encourage participation in support groups.

Patient and Caregiver Handouts:

| 1. | Deep Breathing Exercise | 312 |
|------------|--|-----|
| 2. | Energy Conservation | 329 |
| 3. | Mastectomy Exercises | 496 |
| 4 . | Measuring Your Arm Following Mastectomy | 386 |
| 5 . | Prevention and Control of Upper Extremity Lymphedema | 398 |
| 6. | Good Posture | 343 |
| 7. | Shoulder Isometric Exercises - Standing | 577 |
| 8. | Stress Management and Relaxation Techniques | 412 |

Frail Elderly / Oldest Old 85+

Impairments and Functional Limitations:

ADL, IADL, work and leisure impairment Functional mobility impairment Muscle weakness Limited activity tolerance and endurance Impaired balance

At risk for — functional decline, falls, dementia, delirium, depression, incontinence, sleep disorders, malnutrition, dehydration, pressure sores, sarcopenia and hypothermia

Occupational Therapy Intervention:

ADL, IADL, work and leisure training including but not limited to...

- Treat underlying limitations to safety and independence physical (strength, hand function, ROM, coordination, balance, endurance, abnormal tone), sensory (tactile, vision, hearing, vestibular, pain), behavioral, cognition and/or perception.
- Address ability to shop, access kitchen, prepare nutritious meals and get adequate hydration.
- Encourage to eat with others.
- Address ability to drive safely. Provide referral to driving rehab specialist and/or explore alternative transportation options.

Train in safe and efficient functional mobility (sit to stand; bed mobility skills; transfers; ambulation and wheelchair mobility) during ADL and IADL tasks.

Provide functional balance activities to increase balance confidence with ADL tasks.

Provide UE therapeutic activities and exercises to improve strength and endurance.

• Instruct in home program with verbal and written instructions

Provide a fall prevention program that includes balance, coordination and agility training and education about fall risk and prevention strategies.

Complete a comprehensive, performance-based home assessment. Recommend and/or provide home and activity modifications.

Educate regarding hypothermia prevention.

- Eat well and dress warmly.
- Dry off if you get wet.
- Wear a hat and scarves and gloves when it is cold.
- Avoid alcohol before going out in the cold.

Frail Elderly / Oldest Old 85+

Patient and Caregiver Handouts:

| 1. | Arm Exercises | 441 |
|------------|------------------------------------|-----|
| 2. | Balance Exercise Guidelines | 446 |
| 3 | Dynamic Balance Exercises | 459 |
| 4 . | Hand Strengthening Putty Exercises | 481 |
| 5 . | Resistance Band Arm Exercises | 544 |
| 6. | Static Balance Exercises | 613 |

Osteoarthritis

Impairments and Functional Limitations:

ADL, IADL, work and leisure impairment

Functional mobility impairment

Limited ROM (typically seen in shoulder abduction and external rotation, elbow extension, forearm pronation and supination wrist flexion and extension, radial ulna deviation, and thumb and finger flexion and extension).

Impaired grip and pinch strength

Hand deformities due to osteophyte formation in the DIP (Heberden nodes) and at the PIP (Bouchard nodes).

Impaired strength

Limited activity tolerance and endurance

Joint pain, stiffness and inflammation that increase with activity

Impaired fine motor control

Impaired hand function

Fall risk

Assessments:

Manual Ability Measure (MAM) (Chen 2010)

Occupational Therapy Intervention:

ADL, IADL, work and leisure training including but not limited to...

- Train in the use of adaptive equipment to improve grasp (built-ups), improve ease of performance (electric can opener), compensate for range of motion loss (dress stick), compensate for weak/absent muscle (universal cuff, jar opener), prevent stress on joints (lever door handle), prevent prolonged grasp (book holder, Dycem), prevent accidents (bath seat, nonskid rugs).
- Instruct in energy conservation strategies and joint protection.
- Instruct in activity balancing (balancing self-care, work, play and rest)

Train in safe and efficient functional mobility (sit to stand; bed mobility skills; transfers; ambulation and wheelchair mobility) during ADL and IADL tasks.

Provide UE, neck and trunk therapeutic activities and exercises to improve ROM and strength.

- Acute flare-ups instruct in performing gentle range of motion exercises 3-4 times daily followed by icing for 15 minutes.
- For non-acute joints instruct in the use of superficial heat, gentle self-stretching techniques and strengthening in pain free range.
- Instruct in home program with verbal and written instructions

Osteoarthritis

Occupational Therapy Intervention:

Provide splints to rest inflamed joints, maintain proper joint alignment, improve functional control and support weak or painful joints.

• Resting hand splint, wrist cock-up, finger splints, ulnar deviation splint, tri-point proximal interphalangeal joint splint, and thumb spica splint.

Instruct in pain management techniques to improve participation in ADL tasks.

- Teach stress management and relaxation techniques.
- Coordinate medication peak with exercise and activity.
- Educate in use of superficial heat and cold.
- Teach self-massage techniques.
- Provide positioning support devices (back supports, pillows, and splints).

Complete a comprehensive, performance-based home assessment. Recommend and/or provide home and activity modifications.

Provide education about fall risk and prevention strategies.

Patient and Caregiver Handouts:

| 1 ati | i dilciit dild odi egivei ildiidodes. | | |
|------------|---------------------------------------|-----|--|
| 1. | Deep Breathing Exercise | 312 | |
| 2. | Energy Conservation | 329 | |
| 3. | Exercise Guidelines for Arthritis | 468 | |
| 4. | Joint Protection | 359 | |
| 5 . | Splint/Orthosis Instructions | 408 | |
| 6. | Superficial Cold | 430 | |
| 7. | Superficial Heat | 431 | |
| 8. | Upper Body Active ROM Exercises | 616 | |

Stroke

Impairments and Functional Limitations:

ADL, IADL, work and leisure impairment Impaired sit-to-stand, transfers, bed mobility and gait

Hemiparesis, hemiplegia

Impaired postural control

Impaired coordination

Limited activity tolerance and endurance

Fall risk

Sensory deficit

Central post-stroke pain

Language disorders (aphasia, dysarthria, dyspraxia)

Dysphasia

Visual and perceptual impairment

Cognitive impairment

Behavioral disorders (depression, lability, low frustration tolerance, impulsivity)

Bladder and bowel dysfunction

Secondary complications - bio-mechanical shoulder pain (biceps tendonitis, rotator cuff impingement, adhesive capsulitis, tendonitis, shoulder-hand syndrome or subluxation); edema (upper and lower extremity); pressure sores; joint contractures; depression; DVT's; aspiration pneumonia.

Assessments:

Arnadottir OT-ADL Neurobehavioral Evaluation (A-ONE) (Arnadottir 1990) Assessment of Motor and Process Skills (AMPS) (Fisher et al 1993) Chedoke-McMaster Stroke Assessment Scale (Gowland 1993) Modified Ashworth Scale (Bohannon & Smith 1987) Stroke Impact Scale (Duncan 1999)

Occupational Therapy Intervention:

ADL, IADL, work and leisure training including but not limited to...

- Use of compensatory techniques (task modification; one-handed techniques; hand-over-hand guiding; task segmentation; end chaining).
- Recommend and/or provide adaptive equipment (rocker knife, inner lip plates, holders for books or playing cards, stabilizing devices for activities that traditionally require two-handed performance (e.g., cutting vegetables, cleaning dentures), and keyboards adapted for one-handed computer use.
- Safely incorporate affected extremity with all activities.
- Instruct in pacing and energy conservation strategies.

Train in safe and efficient functional mobility (sit to stand; bed mobility skills; transfers; ambulation and wheelchair mobility) during ADL and IADL tasks.

Stroke

Occupational Therapy Intervention:

Improve postural control

- Focus on stability, weight shifting, body awareness, trunk rotation & elongation.
- Have patient turn toward affected side when reaching.
- Set up room so the patient must physically move to their affected side.
- Provide reach-grasp-hold-carry-place activities; in standing and sitting; with and without support.

Provide functional balance activities to increase balance confidence with ADL tasks.

Graded activities in sitting and standing, supported and unsupported.

Improve upper extremity function

- Use a variety of approaches according to the needs of the patient
- Provide early mobilization and positioning.
- Incorporate task-oriented training.
- Provide opportunities to use and move the arm all day (use of ball bearing feeder, mobile arm support, overhead suspension sling).
- Provide constraint-induced movement therapy (CIMT) for patients who demonstrate at least 20 degrees of wrist extension and 10 degrees of finger extension, and have minimal sensory or cognitive deficits.
- Provide an arm and hand strengthening exercise program (spasticity is not a contraindication)
- Provide weight bearing exercises and activities.
- Functional electrical stimulation
- Electromechanical/robotic devices.
- Mirror therapy

Provide activities and exercises to uninvolved side to prevent loss of ROM and strength.

Manage spasticity

- Prevent contractures (specifically shoulder external rotation, ankle dorsiflexion and hip internal rotation)
- Provide PROM, SROM and stretching exercises
- Proper positioning in bed, chair and during mobility
- Provide splinting to protect hand/wrist. Resting hand splint for flaccid to mild tone. Spasticity splint for moderate to high tone.

Prevent or manage hand edema

- Active self-range of motion exercises in elevation
- Positioning to elevate hand
- Retrograde massage

Occupational Therapy Intervention:

Prevent or manage hand edema

- Gentle grade 1-2 mobilizations for the hand and fingers
- Compression garment

•

Prevent or manage shoulder pain

- Avoid overaggressive therapy, avoid overhead pulleys
- Mobilize and strengthen the scapula.
- Position arm with cubital fossa facing up, 45° abduction and comfortable external rotation.
- · Provide firm support devices such as laptrays and arm troughs
- Range of motion exercises should not move the shoulder beyond 90 degrees of flexion and abduction unless there is upward rotation of the scapula and external rotation of the humeral head.
- Manage orthopedic conditions (biceps tendonitis, impingement syndrome, adhesive capsulitis, rotator cuff tendonitis, shoulder-hand syndrome).
- Functional Electrical Stimulation

Instruct patient and caregivers in proper care of the affected extremity.

- Prevention and control of edema.
- Passive ROM exercises.
- Self-ROM exercises.
- Protection and support of the affected arm during bed mobility, transfers and ambulation using slings, pocket, or by therapist and during wheelchair use by using hemi tray or arm troughs.
- Proper positioning in bed and chair.
- Care and use of positioning splints.

Teach compensatory strategies for perceptual deficits.

Provide cognitive retraining and training in the use of compensatory strategies.

Provide education about fall risk and prevention strategies.

Community Integration

- Address ability to drive safely. Provide referral to driving rehab specialist and/or explore alternative transportation options.
- Vocational rehabilitation strategies to assist the return to work if appropriate
- Leisure and social participation intervention,
- Complete a comprehensive, performance-based home assessment. Recommend and/or provide home and activity modifications.

Stroke

Occupational Therapy Intervention:

Educate patient and caregivers about stroke, availability of community resources and encourage participation in support groups.

Assist in developing self-management skills (effective communication, positive coping strategies, stress reduction, physical activity and exercise, medication management, healthy eating, good sleep habits and making informed decisions about medical and alternative treatments, prevention of secondary complications).

Patient and Caregiver Education Handouts: Edema Control Techniques 327 1. 2. **Energy Conservation** 329 3. Functional Use of Affected Upper Extremity after Stroke 339 4. Getting In and Out of Bed – Left Hemiparesis 240 5. Getting In and Out of Bed – Right Hemiparesis 242 Positioning in Bed - Left Hemiparesis 390 6. 7. Positioning in Bed - Right Hemiparesis 391 Proper Positioning When Sitting – Left Hemiparesis 8. 399 Proper Positioning When Sitting – Right Hemiparesis 9. 400 10. Protecting Your Arm – Left Hemiparesis 401 Protecting Your Arm – Right Hemiparesis 11. 402 12. **Splint/Orthosis Instructions** 408 13. **Stress Management and Relaxation Techniques** 412 14. **Using Your Walker Safely** 433 15. Using Your Wheelchair Safely 435 **Patient and Caregiver Exercise Handouts:** 1. **Arm Exercises** 441 2. **Ball Exercises** 447 3. **Dynamic Balance Exercise** 459 4. Fine Motor Activities 476 5. **Gross Motor Activities** 480 6. **Hand Strengthening Putty Exercises** 481 7. Level 1 Activities - Getting Your Affected Arm to Move 491 Level 2 Activities - Passive Stabilizer 8. 492 9. Level 3 Activities - Active Stabilizer 493 10. Level 4 Activities - Gross Motor Assist 494 Level 5 Activities - Fine Motor Assist 11. 495 12. Passive ROM Exercises – Left Hemiparesis 523 Passive ROM Exercises - Right Hemiparesis 530 13. 14. **Resistance Band Arm Exercises** 544

| Pati | ent and Caregiver Handouts: | |
|-------------|---|-----|
| 15. | Scapular Mobilization and Strengthening Exercises - Left | 547 |
| 16. | Scapular Mobilization and Strengthening Exercises - Right | 551 |
| 17. | Self Range of Motion - Left Hemiparesis | 555 |
| 18. | Self Range of Motion - Right Hemiparesis | 559 |
| 19. | Sitting Balance Exercises | 603 |
| 20. | Static Balance Exercise | 613 |
| 21. | Upper Body Active ROM Exercises | 616 |
| 22. | Upper Body Strengthening Activities | 623 |
| 23. | Using Your Arm as an Active Stabilizer | 624 |
| 24. | Using Your Arm as a Gross Motor Assist | 625 |
| 25 . | Using Your Arm as a Passive Stabilizer | 626 |
| 26 . | Using Your Arm with Caregiver Assisted Guiding | 627 |
| 27. | Using Your Arm with Self-Guiding | 628 |
| 33. | Weight Bearing Exercises - Left Hemiparesis | 634 |
| 34. | Weight Bearing Exercises - Right Hemiparesis | 635 |
| Add | itional Treatment Guides: | |
| 1. | Activities of Daily Living Training | 14 |
| 2. | Apraxia | 45 |
| 3. | Balance | 46 |
| 4. | Cognition | 48 |
| 5 . | Complex Regional Pain Syndrome – Post-Stroke | 93 |
| 6 . | Fall Risk Assessment and Prevention | 51 |
| 7. | Functional Mobility | 27 |
| 8. | Handwriting | 31 |
| 9. | Home Safety and Modification | 54 |
| 10. | Joint Contractures | 125 |
| 11. | Pressure Ulcers | 147 |
| 12. | Therapeutic Exercise | 57 |
| 13. | Urinary Incontinence | 168 |
| 14. | Visual Perception | 59 |

Transfer to Tub Using Bath Seat (left leg, right leg, sit)





1. Face the wall and hold onto the grab bar. 2. Step into the tub with your left leg.



3. Lift your right leg into the tub.



4. Sit down on the shower chair. Reverse the steps to transfer out.

Putting on Pullover Garment Using One-Handed Method - Left Side Affected



1. Position your shirt face down on your lap with the collar at your knees.



2. Gather the opening of the left shirtsleeve and place on your lap.



3. Lean forward and place your left arm into the sleeve opening.



4. Pull the sleeve up your arm and over your elbow.

1 of 2

Putting on Pullover Garment Using One-Handed Method - Left Side Affected



5. Place your right arm into the right sleeve opening.

6. Grasp the fabric and pull the shirt over your head.



7. Push the shirt fabric over your left shoulder.



8. Adjust the shirt, pulling it down in the front and the back.

2 of 2

Energy Conservation with Self Care Activities

Remember to use your pursed lip breathing. Pace yourself and rest frequently.

Eating

- 1. Eat slowly and completely chew your food.
- 2. Eat six small meals a day instead of three big meals. This will cut down on the energy you need to chew and digest your food.
- 3. Avoid gas-forming foods that bloat your abdomen and make it more difficult to breathe, such as peas, melons, turnips, onions, cauliflower, apples, corn, broccoli, cucumbers, cabbage, beans, and Brussels sprouts.

Grooming

- 1. Sit to shave, comb your hair and brush your teeth.
- 2. Support your elbows on the counter while grooming or shaving.
- 3. Use an electric toothbrush and an electric razor.
- 4. Wash your hair in the shower. Keep your elbows low and your chin tucked.
- 5. Avoid aerosols and strong scents.

Bathing and Showering

- 1. If your doctor has prescribed oxygen to be use during exercise, then use it when you take a shower.
- 2. Make certain your bathroom is well-ventilated.
- 3. Consider taking your shower in the evening to allow plenty of time.
- 4. Gather all the necessary items you will need, including your clothes.
- 5. Sit to undress, bathe, dry and dress. Use a bath chair in your shower.
- 6. Avoid over reaching. Use a long-handled brush to wash your back and feet. Use a hand-held showerhead to rinse.
- 7. Use a shower caddy and soap on a rope or place soap in a nylon stocking and tie the stocking to the shower seat or soap dish.
- 8. Have a towel or robe near by. Consider using hand towels because they are not as heavy. Avoid the task of drying by putting on a terry cloth robe.

Dressing

- 1. Gather all the necessary items you will need.
- 2. Sit to dress.
- 3. Minimize bending by bringing your foot to the opposite knee, use a step stool or use long-handled equipment to put on pants, shoes and socks.
- 4. Wear easy-to-put-on, comfortable clothes such as slip-on shoes; elastic waistbands and one sized larger shirts
- 5. Avoid restrictive clothes such as belts, ties, tight socks, girdles and bras. Use suspenders if belts are too restricting.

Occupational Therapy TOOLKIT Hand Strengthening Putty Exercises

| Perform the checked exercises time(s) per day, days a week Repeat times Perform these exercises with right left both hands (circle one) | | |
|--|---|--------------------|
| Per | form these exercises with right left b | nands (circle one) |
| | Finger Flexion Shape the putty into a ball. Squeeze the putty with your whole hand. | |
| | Thumb Flexion Shape the putty into a ball. Hold the putty in your closed hand. Press your thumb into the putty. | |
| | Lateral or Key Pinch Shape the putty into a ball. Pinch the putty between your thumb and the side of your index finger. | |
| | Lumbrical Pinch Shape the putty into a ball. Hold your fingers straight and your knuckles bent. Squeeze the putty between your fingers and thumb. | |

1 of 2

Hand Strengthening Putty Exercises

| Perform the checked exercises time(s) per day, days a week Repeat times | | |
|---|---|--------------------|
| Per | form these exercises with right left both | hands (circle one) |
| | Finger Extension Flatten the putty into a pancake. Place your fingertips together on the putty and spread the putty outward. | |
| | Finger Abduction Flatten the putty into a pancake. Spread the putty apart using two fingers at a time. | |
| | Finger Adduction Reshape the putty into a sausage. Squeeze the putty between the insides of your fingers. | |
| | Finger Tip Pinch Reshape the putty into a sausage. Pinch the putty between your thumb and each of fingers individually. | |

2 of 2

Using Your Arm as a Passive Stabilizer

It is important that you use your weaker your arm as much as possible during daily activities. Here are a few examples of how you can do that.



Use you weaker hand to stabilize your plate while eating.



Stabilize a sheet of paper with your weaker hand while writing with your other hand.



Stabilize a washcloth with your weaker hand while applying soap with your other hand.



Stabilize your toothbrush with the weaker hand while your other hand applies the toothpaste.

Transferirse a la Tina Usando una Silla de Baño (pierna izquierda, derecha, sentarse)



1. Mirando la pared, agarre el asidero.



3. Suba su pierna derecha a la tina.



2. Entre a la tina con su pierna izquierda.



4. Siéntese en la silla de baño. Invierta el órden de los pasos para salir.

Ponerse una Prenda de Vestir sin Botones Usado el Método de un Mano - Lado Izquierdo Afectado



1. Posicione su camiseta hacia abajo en sus piernas con el cuello de la camisa en las rodillas.



2. Agarre la apertura de la manga izquierda y coloque en su regazo.



3. Incline hacia adelante y coloque el brazo izquierdo en la apertura.



4. Suba la manga sobre el brazo y sobre el codo.

1 de 2

Ponerse una Prenda de Vestir sin Botones Usado el Método de un Mano - Lado Izquierdo Afectado



1. Coloque el brazo derecho en la manga derecha.



2. Agarre la fábrica y traiga la camiseta sobre la cabeza.



3. Empuje la fábrica sobre el hombro izquierdo.



4. Ajuste la camiseta, jalando en el frente y detrás.

2 de 2

Conservación de Energía con Actividades de Cuidado Propio

Recuerde usar buena técnica para respirar Descanse frecuentemente para evitar demasiado esfuerzo.

Comer

- 1. Coma seis comidas pequeñas durante el día en lugar de tres comidas grandes. Esto disminuye la energía necesaria para comer y digerir la comida.
- 2. Coma lentamente y mastique completamente la comida.
- 3. Evite comidas que forman gases que pueden hinchar el abdomen y hacerlo más difícil para respirar, como arvejas, melón, nabo, cebollas, coliflor, manzanas, maíz, brócoli, pepinos, repollo, frijoles, coles de bruselas.

Higiene y arreglo

- 1. Siéntese para afeitarse, peinarse y cepillar los dientes
- 2. Evite el aerosol y la fragancia fuerte.
- 3. Lávese el cabello en la ducha. Mantenga los codos bajos y la barbilla hacia abajo.
- 4. Soporte sus codos en una superficie mientras se arregla o se afeita.
- 5. Use un cepillo de dientes eléctrico y una máquina de afeitar.

Bañarse y tomar una ducha

- 1. Considera tomarse la ducha en la noche para tener suficiente tiempo.
- 2. Colecte todos los artículos que necesita, incluyendo la ropa.
- 3. Use una silla de baño en la ducha.
- 4. Siéntese para quitarse la ropa, bañarse, secarse y vestirse.
- 5. Evite alcanzar demasiado. Use una esponja con mano larga para lavarse la espalda y los pies.
- 6. Use una manga de ducha.
- 7. Si su doctor le prescribió oxígeno para uso durante ejercicio, úsalo durante la ducha.
- 8. Este seguro que su baño está bien ventilado.
- 9. Tenga una toalla o bata cerca. Considera usar toallas de mano porque no son muy pesados. Póngase una bata de felpa para evitar la necesidad de secarse.
- 10. Use un caddie para la ducha y jabón en una cuerda o coloque el jabón en una media de nylon y amárralo a la silla de baño o al plato de jabón.

Vestirse

- 1. Antes de comenzar, colecte toda la ropa, zapatos, etc.
- 2. Siéntese para vestirse.
- 3. Reduzca doblar mientras se viste cruzando una pierna sobre la otra, o use un escabel para ponerse las medias, los pantalones, y los zapatos, o use equipo con manos largas.
- 4. Calce zapatos sin cordones; use un calzador de mano larga.
- 5. Evite la ropa restrictiva, las medias apretadas, las fajas, y los brasieles. Use portaligas en lugar de cinturones demasiado restrictivos.

Occupational Therapy TOOLKIT Ejercicios para Fortalecer la Mano

| Rep | ga los ejercicios veces al día, pita veces ga estos ejercicios con la mano derecha iz | |
|-----|--|--|
| | Flexión de los dedos Apriete la masilla con la mano completa. | |
| | Extensión del pulgar Apriete la plastilina y forme una bola. Haga una forma con la plastilina. Agarre la plastilina en su mano cerrada. Presione su pulgar adentro de la plastilina. | |
| | Pellizcar lateralmente Pellizque la masilla entre el pulgar y el lado del dedo índice. | |
| | Pellizco para los lumbricales Apriete la plastilina y forme una bola. Agarre sus dedos estirados y sus nudillos doblados. Apriete la plastilina entre sus dedos y pulgar. | |

1 de 2

Ejercicios para Fortalecer la Mano

| Rep | ga los ejercicios veces al día, vita veces | |
|-----|--|----------------------------------|
| Hag | ga estos ejercicios con la mano derecha | izquierda los dos (circula uno). |
| | Extensión de los dedos Aplana la plastilina cómo una tortita. Coloque la punta de los dedos juntos en la plastilina y separe la plastilina hacia fuera. | |
| | Abducción de los dedos Aplana la plastilina cómo una tortita. Separa la plastilina usando dos dedos a la vez. | |
| | Aducción de los dedos Apriete la masilla entre los dedos. | |
| | Pellizcar desde la punta de los dedos Pellizque la masilla entre el pulgar y cada uno de los dedos. | |

2 de 2

Uso de la Mano Derecha como un Estabilizador Pasivo

Es muy importante que use la mano afectado lo más posible durante actividades diarias. Aquí hay algunos ejemplos de como puede hacerlo.



Use la mano derecha para estabilizar el plato mientras come.



Estabilice un papel con la mano derecha mientras escribe con la mano izquierda.



Estabilice una toallita con la mano derecha mientras aplica jabón con la mano izquierda.



Estabilice su cepillo de dientes con la mano derecha mientras la mano izquierda aplica la pasta de dientes.