Introduction

• To ensure a successful long-term career, the massage therapist must maintain good physical condition and avoid injury.
• Lessons will discuss:
  – Repetitive motion injuries
  – Body mechanics
  – Table mechanics

Lesson 6.1 Objectives

• Discuss ways to reduce the risk of repetitive motion injuries
• Implement the concepts of health that relate to the practice of body mechanics
• Identify basic foot stances

Repetitive Motion Injuries

• Also known as repetitive strain injury (RSI)
• Caused by a repetitive or constant motion, combined with compressive forces or joint hyperextension
• Are self-inflicted injuries
• Primary reason massage therapists leave the industry
Repetitive Motion Injuries

- Usually cumulative—builds up over extended period of time
- Most common types—carpal tunnel syndrome, thoracic outlet syndrome, tennis elbow, rotator cuff problems
- Symptoms and damage progress unless strain is altered

RSI Progression

- Symptoms of RSI are related to inflammation
- Initial symptoms usually limited to soft tissues
- Progression—muscle soreness, increased tonus, formation of trigger points, nerve entrapment

RSI Seen in Massage Therapists

- Anterior forearm becomes large because of finger flexing—muscle compresses against tendons and nerves supplying hand
- Massage therapist may notice numbness or weakness in forearm, wrist, or hand (especially thumb, middle and ring fingers)

Prevention of RSI

- If symptoms occur, massage arm, pectoralis major and minor, and neck
- To prevent injury, frequently massage anterior forearm muscles while strengthening posterior forearm muscles

RSI in Clients

- Primarily due to improper work habits, e.g., poor lifting or keyboarding posture
- 100% preventable
- Bad habits must be replaced with good ones
- RSI takes time to occur—by the time symptoms occur, bad habits are already in place

Ways to Reduce Likelihood of RSI

- Use a variety of strokes
- Rest hands by spacing clients
- Stretch between sessions
- Adjust height of massage table
Ways to Reduce Likelihood of RSI
• Avoid sustained pressure or delayed compression
• Keep fit using weight and flexibility training
• Use proper body mechanics
• Get massages

Preparing for the Massage
• Self-care exercises:
  – Warm up
  – Finger stretch
  – Wrist circles
  – Hand swishing
  – Rubber band stretch
  – Ball squeeze
  – Reach and pull

Preparing for the Massage

Body Mechanics
• Definition: The proper use of postural techniques to deliver massage therapy with the utmost efficiency and with minimum trauma to the practitioner
• As critical to successful practice as anatomical knowledge, manual skills, and business acumen

Body Mechanics and Massage
• Massage therapy is classified as a strenuous occupation—requires physical energy and use of torque
• Physical fitness helps prepare the body for the practice of massage

Eastern and Western Concepts of Fitness
• Eastern—focus on building balance and becoming grounded/centered
• Western—focus on strength and stamina
• Both views have merit
Principles of Body Mechanics

- Strength
- Stamina
- Breathing
- Stability
- Balance
- Groundedness/centeredness

Strength

- Massage requires strength—performing massage, moving clients, moving equipment, etc.
- Best activities for strength—floor exercises (sit-ups, push-ups) and weight or resistance training
- All major muscle groups should be addressed in training

Stamina

- Build up through cardiovascular training—at least 30 minutes 3 times weekly
- Complex carbohydrates keep energy level high
- Get enough rest
- Practice proper breathing techniques

Breathing

- Proper breathing keeps the therapist relaxed, paces massage movements, fuels muscles
- Enhances mental and physical health
- Exhale during reaching strokes, inhale during return strokes

Breathing

- Dantein—ancient center of gravity
  - Specific spot located two inches below and behind the navel
- Hara—lower abdomen
  - Breathing in and out of the hara helps lower the center of gravity and contributes to stability

Stability

- Lower body provides two and a half times more power and greater stability than upper body
- Use lower body as base, upper body as flexible conduit of energy
Stability
• Greater number of points of contact—greater stability
• Both feet flat on the floor provides a stable base

Balance
• Proper body mechanics are a direct result of balanced posture
• Less energy is expended when body is balanced
• Center of gravity—between fourth and fifth lumbar vertebrae, or an inch or two behind and below navel (dantien)

Groundedness/Centeredness
• Refer to mental, emotional, and physical states of the therapist
• Body and mind are interconnected—taking time to prepare the mind helps therapist be more effective
• Being grounded helps the therapist release his own tension as well as that of the client

Foot Stances Related to Body Mechanics
• Massage is performed with the whole body, not just the hands
• Correct foot placement provides stable base—affects body mechanics and body alignment
• The foot forms a base of support with three points of contact

Bow Stance
• Also known as archer stance or lunge position
• Used when applying effleurage or other strokes where therapist moves from one point to another on client’s body
• Feet on floor in 30–50 degree angle
• Lead foot points forward; trailing foot points off to side
Bow Stance

- When possible, get behind your hands while working in the bow stance
- During stroke, weight shifts from rear to front foot as therapist lunges forward
- Keep knees flexed while shifting weight between lead foot and trailing foot
- Torso is kept as straight as possible

Warrior Stance

- Also known as horse stance
- Used for strokes that traverse relatively short distances, such as pétrissage, or for reaching across the body
- Feet are placed on floor a bit wider than hip distance apart; back is kept straight
- Keep shoulders relaxed while hands and arms are moving

Lesson 6.2 Objectives

- Explain guidelines for proper body mechanics
- Use appropriate positioning equipment and bolstering devices and position the client in the prone, supine, side-lying, and seated positions

Guidelines for Proper Body Mechanics

- Check table height—adjust if necessary (see Chapter 3)
- Wear comfortable attire
- Warm up before massage
- Use a variety of strokes—alternate if you notice fatigue
Guidelines for Proper Body Mechanics

• Get behind your work
• Check in lower body
• Position upper body—keep shoulders relaxed and arms close to body
• Keep wrists straight
• Do not hyperextend digits

Guidelines for Proper Body Mechanics

• Lean or sit, depending on modality being performed
  – Apply pressure with your weight rather than your strength
  – When sitting, keep feet flat on floor and back straight

Guidelines for Proper Body Mechanics

• Body aligned
  – Keep back straight by tilting pelvis backward
  – Maintain head over neck and shoulders; keep eyes forward whenever possible
• Stretch
  – Look up and away from work to stretch anterior neck muscles

Guidelines for Proper Body Mechanics

• Breathe—use deep, full abdominal breathing
• Move smoothly—find your own rhythm and move with it
• Lift correctly—keep weight close to body; use legs, not back; ask for help if necessary

Table Mechanics

• Involves practical considerations concerning placement of client on massage table
  – Client positioning
  – Positioning equipment (bolsters and pillows)
  – Draping, using towels or sheets
Client Positioning

- Promotes client comfort through positional release
- Promotes relaxation through proper body alignment
- Addresses health conditions such as swelling or recent surgeries

Client Positioning—Questions to Consider

- In which position would you like the client to lie?
- How do you position the client’s joints during the massage?
- Does the client have any health considerations or physical limitations that would require table adjustment or additional bolstering?

Positioning Equipment

- Cushions support individual joints—muscles relax more fully
- Most common placement—face/head, neck, ankles, knees

Positioning Equipment

- Rolled-up towel, pillow, or blanket can be used in place of commercially made bolster

Use of Bolsters: General

- Avoid bending to retrieve bolsters—squat down, stand bolsters on end in a corner, or store at convenient height
- Position seam away from client
- Cover bolster with drape or place under sheet

Use of Bolsters: Prone Position

- Prone position: client is in a horizontal position while lying face downward
- Used most often under anterior ankles and head/neck complex
- Use prone pillow or face rest for head/neck if possible
Use of Bolsters: Prone Position

- Support anterior ankles with 3” or 6” bolster—try both sizes with each client
- Lower back strain can be relieved by cushion under abdomen or pelvis
- Arm rest provides additional shoulder and arm relaxation

Use of Bolsters—Supine Position

- Client is lying horizontally on the back when supine
- Support posterior cervical (neck) region and posterior knees
- Knee bolster helps relax lower back
- Place cervical pillow at lower cervical region, not occipital region

Preparing a Cervical Pillow

- Rolling up a bath-size towel for a cervical pillow; fold both long sides toward the middle, leaving a 1” gap in the center, before rolling

Foot Massage in Supine Position

- Use a pillow, cushion, or rolled towel under client’s feet for easier access and proper body mechanics
- Do not have client lift both feet at once (causes low back strain)
  - Lift feet for client, or have client lift one at a time onto pillow

Side-Lying Position

- Preferred for pregnancy, some older adults, and some other conditions
- Client should lie first on side they find most comfortable; most of the massage is done from that position
- Back should be about 4” from edge of table

Side-Lying Position—Use of Pillows

- First pillow—under head
- Second pillow—under upper arm, to support arm and shoulder
- Third pillow—under upper knee and ankle (align in one horizontal plane—use additional pillow if needed)
Performing Side-Lying Massage

- Therapist should adjust his position for best leverage—may use stool, squat, or kneel
- Perform majority of work with client on first side, then have client roll over to other side
- Remove all pillows and bolsters before client gets up from table

Seated Position

- Can be performed with client in regular chair, massage chair, or wheelchair
- When using regular chair or wheelchair, client may lean forward onto cushion placed on table or onto commercial desk topper

Reasons to Use Seated Position

- Client prefers seated massage or has reservations about removing clothing
- Massage table is unavailable, or there is insufficient space for use
- Client has medical condition or pain that make table use difficult

Seated Massage

How to Begin?

- Can begin prone or supine
- There are pros and cons to each choice
- Some therapists make this choice; others let client decide

Beginning Prone, Ending Supine

- Allows massage of back area first—often a site of pain
- Keeps genital area underneath client at start of massage—gives time for trust to develop
- Allows client’s sinuses to drain after time spent in prone position
Beginning Supine, Ending Prone
• Allows eye contact at start of massage—facilitates conversation
• Beginning supine allows back to be massaged last
• Some therapists finish massage with client in side-lying position regardless of starting position

Lesson 6.3 Objectives
• Properly drape the client with sheets and towels
• Maintain appropriate draping while the client rolls over
• Assist the client on and off the massage table while maintaining the appropriate drape

Draping: Purpose
• Provides a professional atmosphere
• Supports client’s need for emotional privacy (modesty)
• Offers warmth
• Provides access to individual parts of client’s body

Draping: Warmth
• Warmth is primary comfort consideration
• Body relaxes during massage; blood pressure and basal body temperature drop
• Client may become chilled and find it difficult to relax if he is cold

Draping: Warmth
• Ask client at least twice about warmth—once at beginning of session and once halfway through
• If too cold, add blanket over drape
• If too warm, remove some drape
  – Keep genital areas and gluteal cleft covered

Draping: Rules
• First rule—state and local laws
  – Cannot drape with less than law requires without endangering license
• Second rule—client’s request
• Third rule—therapist’s comfort level
Draping: General

- Expose only areas being massaged
- Do not lift or fluff drapes so that fabric leaves client’s body
- If client is accidentally uncovered, look away and redrape the area
- Apologize while remaining composed and professional

Towel Draping

- Thicker, heavier, and more opaque than sheets
- One towel typically used for men, two for women—more used if requested by client
- Fold towel back or under to reveal area to be massaged

Towel Draping Male Clients

- Instruct client to undress, lie on table, and drape himself with towel across the pelvis
- Grasp bottom corner closest to you with lower hand; grasp top corner on opposite side of client’s body with upper hand
- Rotate towel 90° until lengthwise over client’s legs

Towel Draping Female Clients

- Instruct client to undress, lie on table, and drape herself with one towel across the torso and one towel across the pelvis
- Reenter room and rotate bottom towel as described for male clients—towels are now in T formation
Accessing the Abdominal Area on Female Clients

- Top towel is pulled down until edge reaches clavicle
- Bottom corners are pulled up and towel is fanfolded upon itself in a strip—“bikini top”
- Client’s knees are flexed when working abdomen
- To redrape, anchor top edge of towel with one hand and pull lower edge down with the other

Turning the Client Prone to Supine (Two Towels)

- Remove all positioning equipment; return towels to equal sign position
- Instruct client to scoot down from face rest; assist with towels
- Anchor nearest towel edges by leaning on them and grasping corners

Turning the Client Prone to Supine (Two Towels)

- Instruct client to roll toward you (to face you) and continue turning until she is on her back
- Rotate bottom towel back to T formation; position bolsters under knees and neck
Turning the Client Supine to Prone (One Towel)

- Remove all positioning equipment; rotate towel back to perpendicular (crosswise) position
- Anchor nearest towel edge by leaning on it and grasping corners

Turning the Client Supine to Prone (One Towel)

- Instruct client to roll to face away from you and continue turning until he is on his abdomen
- Have client scoot up to face rest
- Rotate bottom towel back to parallel (lengthwise) formation; position bolster under ankles

Turning the Client Supine to Prone (One Towel)

- Place towel or pillowcase on top of sheet in “bikini top” position
- Anchor towel and pull sheet out from under it
- Fold sheet down and towel up to expose abdomen

Sheet Draping—General

- Two sheets required: one covering client, one covering table
- Arrange the top sheet on top of the bottom sheet; fold down top corner edge
- During massage, undrape where needed and tuck loose fabric under client’s body

Accessing the Abdominal Area on Female Clients

- Place towel or pillowcase on top of sheet in “bikini top” position
- Anchor towel and pull sheet out from under it
- Fold sheet down and towel up to expose abdomen
Turning the Client Prone to Supine

- Remove all positioning equipment; uncover feet
- Have client scoot down from face rest
- Anchor nearest edge of sheet by leaning on it; grasp sheet along opposite edge of table

Turning the Client Prone to Supine

- Instruct client to roll toward you (to face you) and continue turning until on her back
- Position bolsters

Turning the Client: Supine to Prone

- Remove all positioning equipment; uncover feet
- Anchor nearest edge of sheet by leaning on it; grasp sheet along opposite edge of table

Turning the Client: Supine to Prone

- Instruct client to roll to face away from you; continue turning until he is on his abdomen
- Have client scoot up to face rest
- Position bolster under ankles

Side-Lying Using Sheet Draping

- Drape side-lying client with sheet
- Use towel to hold sheet in place when massaging back and neck
- Work arm from the front with client draped chest-down

Side-Lying Using Sheet Draping
Turning the Client

- Supine to Side-Lying or from Side-Lying to Opposite Side
  - Remove all positioning equipment except head pillow
  - Anchor nearest edge of sheet by leaning on it; grasp sheet along opposite edge of table
  - Instruct client to turn to lie on whichever side is most comfortable (or onto other side)
  - Position pillows

Assisting a Client On and Off the Massage Table

- Client may need assistance getting on or off massage table
- To assist client getting off table: begin with client in supine position
- Remove all positioning equipment

Assisting a Client On and Off the Massage Table: Steps

- With client assisting, raise client to seated position
- Pull drape around client’s neck and shoulders
- Reach over client’s knees and cup palm over opposite knee

Assisting a Client On and Off the Massage Table: Steps

- Face client; stand at client’s waist level
- Place your closest arm under client’s closest arm and grasp under and beneath her shoulder; ask client to do the same on you
- Slide other arm under client’s back and over shoulder; grasp top drape

- Support client’s back with upper arm; pull client’s legs toward you until they dangle off the table
- Pull drape around client’s neck and shoulders
- Support client into a standing position; continue holding drape until client can drape himself
Assisting a Client On and Off the Massage Table

Summary

• Body mechanics—massage therapist's personal health maintenance and postural techniques
  – Proper body mechanics support longer, healthier careers in massage therapy
  – Body mechanics also contribute to success of the massage
• Table mechanics affect client's physical security and emotional comfort