# **Secondary Conditions**

Module 2









### Schedule

- What are secondary conditions?
- Rehabilitation team
- Physical conditions
- Invisible conditions

Review



## What are secondary conditions?

**Secondary conditions** are a wide range of disorders that may occur because of a stroke.

Most people experience at least one of the following conditions after a stroke.

Everyone's stroke experience is different.



### Rehabilitation Team

The rehabilitation team can help manage and treat secondary conditions.

- Physician
- Nurse
- Rehabilitation Counselor
- Psychologist
- Social Worker
- Occupational Therapy
- Physical Therapy
- Speech Language Pathology (Speech Therapy)



## **Physical Conditions**

These are conditions which occur because of physical changes in the body after damage to the brain during a stroke.

### Common physical conditions are:

- Weakness on one side of the body
- Trouble with swallowing
- Changes in vision
- Falls
- Changes with bowel and bladder



## Weakness on one side of the body

- **Hemiparesis** is weakness or inability to move one side of the body.
- Weakness often occurs on the opposite side of the body as the stroke in the brain.
  - Left side weakness, Right side of the brain
  - Right side weakness, Left side of the brain
- Decreased sense of touch may occur on the weak side of the body.
- Hemiparesis can lead to trouble with walking, activities of daily living, and lack of coordination.



## Trouble with Swallowing

- **Dysphagia** is a swallowing disorder.
  - May include difficulty moving the tongue, muscles in the mouth, or swallowing
- Trouble with swallowing can lead to aspiration, or when something enters the airway or lungs.
  - Stroke can cause decreased sensation and decreased cough reflexes when something enters the airway
- The healthcare team might recommend:
  - Changes to chewing and swallowing
  - Changes to the types of food/liquid consumed



### Changes with Vision

- Visual changes after stroke may include:
  - Double vision
  - Visual field cut, or the loss of vision in part of the visual field
- One-sided neglect is being unaware and not paying attention to the weak-side of the body and/or environment.
- Changes in vision and visual-awareness may contribute to decreased safety, challenges with daily routines, and decreased balance.



### **Falls**

- Stroke often results in physical and cognitive changes which may lead to a fall.
- Falls can cause additional trouble, including physical injury and emotional distress.
- To reduce risk of falling:
  - Make sure the lights are turned on
  - Slow down
  - Use recommended assistive device
  - Wear flat shoes with wide toe-box



### Bowel and Bladder Trouble

- **Incontinence** of bowel and/or bladder is common after stroke.
  - May happen because the muscles that control the bowel and bladder are weaker
- Ask for help in the bathroom when needed.
- Discuss incontinence with your healthcare team.
- Helpful tips:
  - Schedule regular times to go to the bathroom (ie: every hour)
  - Wear clothing that is easy to manage
  - Use incontinence briefs as needed



### **Invisible Conditions**

These are conditions which are "invisible" to others but should be addressed by your healthcare team and discussed with your family.

#### Common invisible conditions are:

- Depression
- Pain
- Thinking skills
- Language skills
- Fatigue
- Sleep trouble



### Depression

- Depression after stroke is common and should be discussed with your healthcare provider and family.
- Depression may include feeling hopeless, loss of interest in hobbies, sleep changes, sad mood, and decreased motivation.
- Depression may make the rehabilitation process feel more challenging.
- Having social support is helpful.
  - Friends, family, support groups, your buddy



### Pain

- Experiencing pain in the body is common following stroke.
- Discussing pain with your healthcare providers is beneficial.
  - Physicians may recommend medication or refer to other members of the rehab team.
  - Mental health team, physical therapy, and occupational therapy may be able to provide strategies for managing and coping with pain.
- Pain may increase with fatigue, anxiety, and depression.



## Thinking skills

- Changes in cognition, or thinking skills, is common after stroke.
- Thinking changes may include:
  - Trouble paying attention
  - Trouble remembering things
  - Trouble with sequencing
  - Trouble with problem solving
- Changes in thinking skills may lead to difficulty with activities of daily living including managing medications and managing finances.



## Language skills

- Aphasia is a disorder of language
  - Receptive aphasia trouble with understanding someone else or reading
  - Expressive aphasia trouble with using the correct words when talking or writing
  - Global aphasia trouble in both areas
- Aphasia may make communication more challenging, such as talking with a loved one, ordering coffee, or understanding instructions from your doctor.



## Trouble with sleeping

- Discuss any troubles with sleep with your healthcare provider, these do not usually improve on their own.
  - Insomnia is having trouble falling or staying asleep
  - Circadian rhythm disorder is changes in sleep patterns
  - Restless leg syndrome is the urge to move legs
- Good sleep is important after stroke, and finding strategies to help is important in stroke recovery.



## Fatigue

- Many people feel extreme fatigue following stroke. If you are feeling extremely tired, talk with your healthcare provider.
- Fatigue may make completing your daily routine challenging.
  - Spread out tasks that are physically or mentally draining
  - Take breaks (mental and physical) when needed
    - Keep a chair nearby for sitting breaks
    - Rest and relaxation to help the brain heal
  - Help boost energy levels: eat healthy and exercise



### Review

- Secondary conditions are a wide range of disorders that may occur because of a stroke.
- Everyone's stroke experience is different.
- The rehabilitation team can help manage and treat secondary conditions.
- Physical conditions occur because of physical changes in the body after damage to the brain during a stroke.
- Invisible conditions are changes that are "invisible" to others and should be discussed.



### References

Select slides modified from materials provided by Blaise Morriso PhD, LP, CRC, LPC

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