UNDERSTANDING YOUR STROKE

Ischemic / TIA

MIND

BODY

SPIRIT

EMOTION
Stroke: Mind, Body, Spirit, Emotions

What is a Stroke?

A stroke is a sudden decrease in the oxygen and blood supply to part of the brain. A stroke occurs when an artery that leads to the brain bursts (hemorrhagic) or become clogged by a blood clot (ischemic). When this occurs, the brain tissue does not get the oxygen it needs and the tissue can die within minutes. When the specific brain cells die, the part of the body controlled by those brain cells cannot function properly. It may affect the senses, speech, behavior, thought pattern, and memory. It may also result in paralysis, coma, and death.

Strokes Caused By Blockage
(Also Known As Ischemic)

This type of stroke is the most common type of stroke. It is the result of an obstruction or blockage in a blood vessel leading to the brain. The blockage is usually the results of fatty deposits that stick to the lining of the blood vessels. There are two types of blockages:

- **Cerebral Thrombosis:**
  
  This is a blockage that develops in a blood vessel of the brain or neck

- **Cerebral Embolism:**
  
  This is a blockage that has formed in another part of your body and travels to the brain

  - A blockage breaks loose and travels through your blood vessels until it reaches vessels that are too small to let it pass
  
  - Heart rhythm problems such as *atrial fibrillation* (*A-Fib* or *AF*) can cause clots to form in the heart and travel to the brain
Transient Ischemic Attack (TIA): Can appear days, months, or years before a stroke and may only last a few minutes

Stroke: A stroke is a sudden decrease in the oxygen and blood supply to part of the brain.

Prevention: Healthy lifestyle choices can prevent future strokes.

Transient Ischemic Attacks (TIA)

Often labeled “mini-stroke,” is more accurately described as a “warning stroke,” a warning you should take very seriously

- TIA is when blood flow to a part of the brain stops for a brief period of time
- A person can have stroke-like symptoms for up to 24 hours, but in most cases for one to two hours
- A TIA is felt to be a warning sign that a true stroke may happen in the future if something is not done to prevent it
- Do not ignore these symptoms: call 911
Signs and Symptoms of a Stroke (Act FAST)*

**Face:** Ask the person to smile.

- Does one side of the face droop?
- Is there drooling?

**Arms:** Ask the person to raise both arms.

- Does one arm drift downward?
- Is there leg weakness?
- Is there a problem with walking?
- Is there dizziness?

**Speech:** Ask the person to repeat a simple sentence.

- Are the words slurred?
- Is the person confused?
- Can he/she repeat the sentence correctly?
- Are there new problems with swallowing?

*Sudden Severe Headache:* Do not ignore this symptom.

**Time:** Time to call help. Dial 911 or get to the nearest hospital fast. Note time last seen normal (without symptoms).
Know Your Stroke

Sudden onset of:

- Trouble Walking
- Weakness on One Side
- Trouble Seeing
- Trouble Speaking
- Trouble Swallowing
- Sudden Severe Headache
- Double Vision

What should I do if I suspect a stroke or TIA?

- Act FAST* and call 911 immediately
- If you do have any of these symptoms and do not feel good, do NOT go back to bed to “feel” better
- If you get emergency help quickly, the powerful clot-dissolving medications can reduce the disabilities caused by stroke, if you qualify

Notes:

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
Common Tests for Strokes

Physical exams and brain scans with other tests:
(You may have some or all of these tests)

**CT (computerized tomography)**  
Scan of the brain

**MRI (magnetic resonance imaging)**  
Scan of the brain

**Lab Tests**

Checks blood values

**Echocardiogram**  
Checks the heart

**Carotid Ultrasound**  
Checks blood flow in the neck
The Brain is a Complex Structure with Many Different Functions

- Ask your doctor or nurse where your stroke is
- The area of the stroke will determine how your body functions
- Stroke can cause damage in one or more of these areas
- Lacunar infarct is a small stroke which can be in any place of your brain

Notes:
Common Stroke Medications

- **Antithrombotic/Anticoagulants**: Prevents your blood from clotting and/or blocks the formation of blood clots (commonly referred to as blood thinners)

- **Statins**: Lowers fat (cholesterol) levels

- **Blood pressure medications**: Lowers blood pressure to normal range
  - **Know your doctor-recommended blood pressure range**
  - **Check with your pharmacy/grocery store to see if they have free blood pressure checks**
  - **Never stop blood pressure medications without your doctor’s approval**

- Medications can be tricky because many have two names
  - For example:
    - Tylenol ® = brand name
    - Acetaminophen = generic name

- Medications from other countries (such as Mexico) may have unfamiliar names and dosages that might be different from the United States

**You and your doctor will decide what types of medications you will need to help prevent future strokes.**
Medication Alerts

It is YOUR responsibility to make sure you understand:

- **What** medications you’re taking
- **Why** you are taking those medications
- **How** will you take those medications
- **When** to refill your medications
- **Know** the side effects of your medications

Your diet and medications are important:

- Take your medications exactly as prescribed
- Never stop your stroke medications
- Carry a list of all your medications
- Tell your doctor if you take any herbs or vitamins
- Your diet can affect how your medications work
- Discuss any dietary changes with your doctor

Notes:
Your Rehabilitation Team

Parts of your recovery will happen naturally over time, but rehabilitation therapies may help you regain function quicker. You doctor may recommend rehabilitation therapies in a variety of settings. Rehabilitation aims to improve physical ability and independence. Success depends on the extent of brain damage, the patient’s attitude and the cooperation of family and friends.

The doctor may order these based on your special needs:

Physiatrist (PM&R)

- A physician who specializes in stroke rehabilitation and directs your rehabilitation therapies

Physical Therapists (PT)

- Helps you to improve your walking, balancing, and other physical abilities

Occupational Therapists (OT)

- Help you to learn how do activities of daily living such as feeding, showering, dressing, and hygiene

Speech Therapists (SLP)

- Helps you to regain language skills and also helps with other problems such as swallowing safely, speaking and understanding written and spoken words

Recreational Therapists (REC)

- Helps you to resume activities of leisure and recreation

Services will depend upon your needs, ability to participate in therapies, your home support, and your insurance coverage.
Factors That YOU Can Control

High Blood Pressure and High Blood Sugar

Atrial Fibrillation (A-Fib)

High Fats and Cholesterol

Smoking

Alcohol and Drugs

Lack of Exercise

Remember that YOU can educate yourself about stroke.
What Can YOU Do To Prevent Stroke?

Control Your Blood Pressure and Blood Sugar

- Stay within your blood pressure range
- Keep blood sugar under control

Understand and Manage Atrial Fibrillation (A-Fib)

- Understand the role of antithrombotic/anticoagulants (blood thinners)

Control Your Diet

- Limit fats and cholesterol
- Limit salt intake

Stop Smoking

- Not just for your brain
- If you need help quitting, talk to your nurse or doctor. Eisenhower Medical Center has a program to help you stop smoking that is available to you by calling (760) 773-2080

Alcohol and Drugs

- Alcohol increases your chances of getting a brain problem, including stroke and dementia
- The use of drugs, especially meth, can cause death from stroke
- If you or a loved one has experienced negative consequences from alcohol or drug use, there is support available in your community:
  - Alcoholics Anonymous: (760) 324-4880
  - Narcotics Anonymous: (760) 346-5800
  - Alcohol and Drug Helpline: 1-800-821-4357

Unfortunately, you cannot change all risk factors such as your age, gender, race, history of previous stroke, and prior heart attacks or TIAs.
Follow-up

- Keep in touch with doctors
  - Your brain doctor (neurologist)
  - Your primary care doctor
  - Your rehab team
- Stroke support groups
- The Stroke Clinic at Eisenhower Medical Center
- Other clinics as directed by your medical insurance

Life at Home

- If you have concerns about sexual activity contact your doctor
- Discuss with your doctor when or if it is safe to start driving
- Depression can be common after a stroke. If you or your loved one shows these signs (difficulty concentrating, remembering details, and making decisions, fatigue, decreased energy, feeling sad, or empty) contact your doctor

Caregiver Support

- Being a stroke caregiver can be hard work
- Stroke caregiver support groups are available
- Take time out to care for yourself

Spiritual

- Tapping into your spiritual or religious support may be helpful in your stroke recovery

*Change is in your hands. You are not alone. Let us help you.*
Stroke Resources

Community Resources

• Center for Healthy Living at EMC
  o (760) 568-1234
  o www.emc.org/body.cfm?id=306

• Eisenhower’s Healthy Living Resource Center

• Jewish Family Services
  o (760) 325-4088
  o www.jfsdesert.org/

• Stroke Recovery Center in Palm Springs
  o (760) 323-7676
  o www.strokerecoverycenter.org/

Online Resources

• American Stroke Association: http://www.strokeassociation.org
• Brain Attack Coalition: http://www.stroke-site.org/
• Drug and Alcohol Abuse Treatment Center at the Betty Ford Center: http://www.bettyfordcenter.org
• National Stroke Association: http://www.stroke.org
• National Institute of Neurological Disorders and Stroke (NINDS): http://www.ninds.nih.gov/
• Caregiver Support Tips: http://www.helpguide.org/elder/caring_for_caregivers.htm
• Family Caregiver Support Network: http://www.caregiversupportnetwork.org/default.asp?id=1
• Caringbridge: Bringing family, friends and loved ones together when it matters: www.caringbridge.org
Credits To:

Eisenhower Medical Center (EMC)
Stroke Process Improvement Force (SPIF)

Created by EMC’s SPIF ad hoc committee; patient education for stroke and transient ischemic attack (TIA).

Chair: Joshue Leyva, Health Career Connection Intern, UCLA

Co-Chair: Deborah Bayer, RN, BSN, CCRN

Members: Kathleen Stange, PT, Physical Therapy Manager Inpatient
          Kierstyn Wondoloski, Volunteer Stroke Program
          Kimberly Hancock, RN, BSN, CEN, CFRN
          Lowell Nece, MA, CCC-SLP
          Michael Weinstein, MD, Program Director Acute Inpatient
          Norma Zapata, LCSW, Social Worker/Discharge Planner
          Sara Reylek, MS, CCC-SLP
          Sue Effinger, RN, MSN / MHA
          Therese Montemayor, RN, Patient Care Coordinator

Stakeholders: Hamid Salari-Namin, MD, Medical Director Stroke Neurologist
Patient Education Committee

Stroke survivors and their families
Stroke Work Group
Nursing Leadership

Goals:

• Standardize discharge education across a continuum of care
• Improve content and retention of stroke and TIA related education
• Prevent readmissions
• Improve quality of life
• Provide physician and clinics ready access to stroke related education

Link to Stroke Education Material: IkeNet → Quick Links → Education → Center for Professional Development → Department Specific Reference Material → Stroke Reference → Stroke Discharge Materials
We Need Your Commitment

Studies show that patients who have strong, supportive networks in their community generally have better stroke recovery.

This is why we need your commitment.

We are asking you to give us three names of family, friends, or caregivers to share some follow-up education of stroke. *This will NOT include any of your health related history.*

Patient Name (Print) _______________________       Date __________

(Signature) _______________________       Date __________

☐ I choose to participate*
☐ I decline to participate*

<table>
<thead>
<tr>
<th>NAME</th>
<th>TELEPHONE</th>
<th>ADDRESS</th>
<th>EMAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

• *Scan a copy of this form to Deborah Bayer, RN, BSN, CCRN, Stroke Coordinator at dbayer@emc.org*