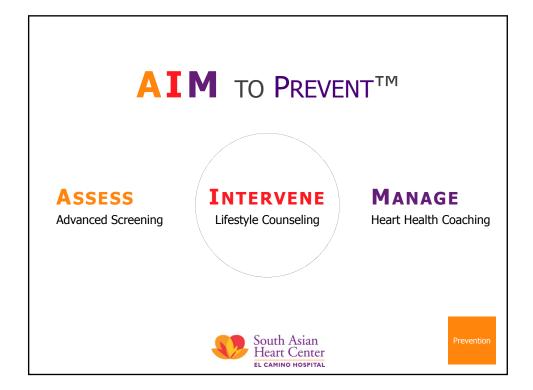
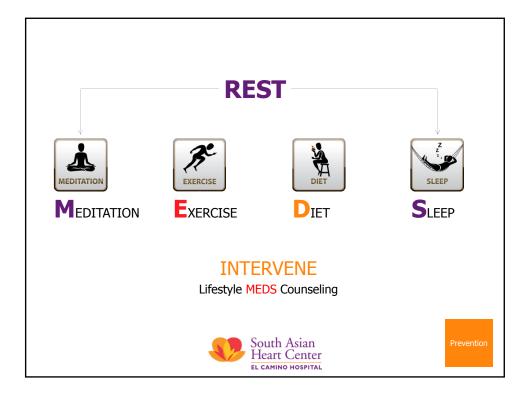


# **MANAGE REST.**MANAGE STRESS.

ASHISH MATHUR CO-FOUNDER & EXECUTIVE DIRECTOR





#### The Importance of a Daily Routine

The Alameda Seven Habits for Successful Aging

- Adequate sleep, 7-8 hours/night
- Regular vigorous activity (>3kcal/kg/day)
- Maintaining recommended weight
- · Not smoking
- None/moderate alcohol
- Eating breakfast daily

#### At age 45 a man with

- ≤ 3 habits: will reach age 67
- 4-5 habits: will reach age 73
- 6-7 habits: will reach age 78
- Eating meals regularly, not snacking SOURCE 7,000 people in Alameda County, CA were studied for 25 years



## **STRESS**

PHYSIOLOGICAL<br/>STRESSStress results from the inability of the physiology to maintain<br/>balance, a steady state and/or HOMEOSTASISPSYCHOLOGICAL<br/>STRESSStress results from the absence of CREATIVITY when the<br/>individual or organization is challenged

"Stress is that which obstruct the flow of intelligence."

Hans Selye



## Sources, Factors, and Result of Stress

Sources	Work, Family, Financial
FACTORS	Depression, Locus of control, Perceived stress, Life events
HEART ATTACKS	Psychological factors explain 32.5% of population attributable risk
CORONARY ARTERY DISEASE	2-3x increased risk with job strain (high demand, low control)
DYSLIPIDEMIA, INFLAMMATION	Work stress associated with atherogenic lipids/elevated fibrinogen
OBESITY	Stress exaggerates diet-induced obesity (abdominal adiposity)



The Lancet 2004 364,9438:953-962 Eur J Cardiovasc Prev Rehabil 13:414-420 (2006) J Intern Med: 1997 242:149-56; Nature Med. 2007 13, 803-811

### **Emotional Triggers & Cardiac Mortality**

WAR: 1991 GULF WAR ↑Acute MI, ↑Sudden death in Tel Aviv by 58%

**SPORTING EVENTS** \*Relative risk of death from MI/Stroke 51%

**DISASTERS: EARTHQUAKE** ↑Acute MI: 149 (prior week) →201 (week after) (NORTHRIDGE LA 1994) ↑ Sudden cardiac deaths 4.6 → 24 (day of)

#### SOLIDOR

JAMA 1995;273:1208-10; BMJ 2001;322:1306; Psychosomatic Medicine 67:179-186 (2005) Am J Cardiol 1996;77:1230-2; J Am Coll Cardiol 1997;30:1174-80; Clin Cardiol 2003;26:495-9



### Managing Rest to Reduce Stress



#### **RESTING WHILE ASLEEP**

**SLEEP WELLNESS** What is restful? How long? When? How?

**SLEEP DISORDERS** Increased CVD, Hypertension, and Diabetes

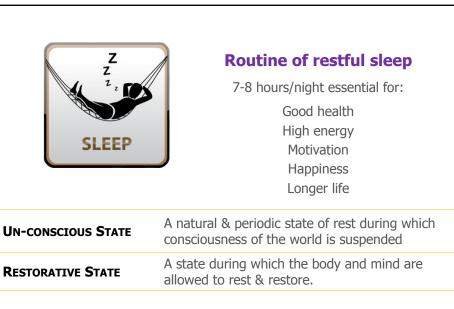


#### **RESTING WHILE AWAKE**

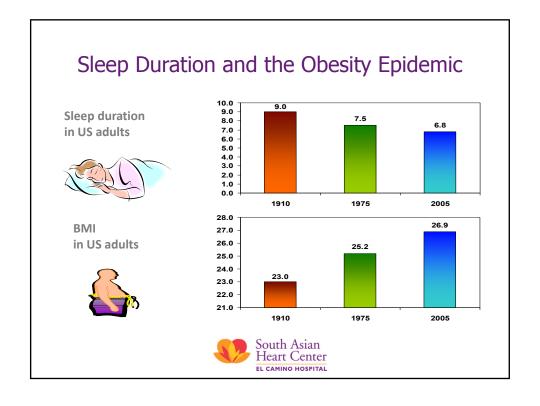
**MEDITATION ROUTINE** How long? How often? When?

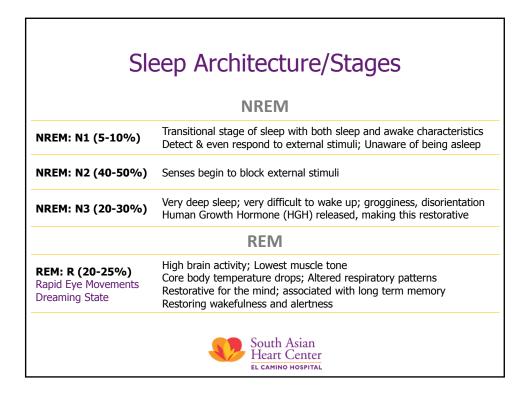
**MEDITATION TECHNIQUES** Concentration, Contemplation, Transcendental

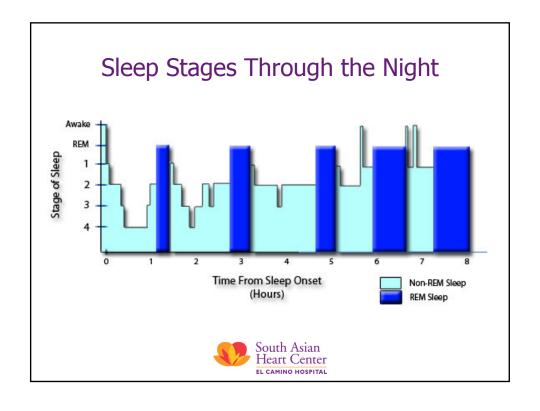


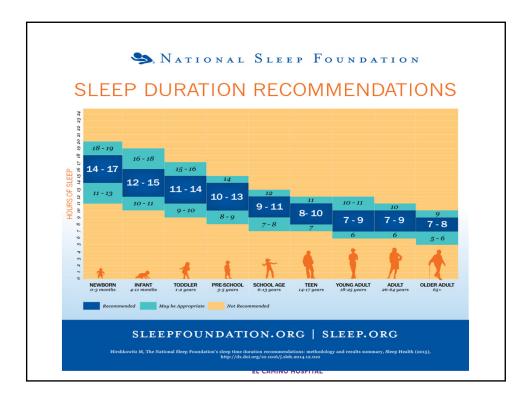


South Asian Heart Center EL CAMINO HOSPITAL









#### Developing A Sleep Hygiene

- 1. Stick to a sleep schedule
- 2. Pay attention to what you eat and drink
- 3. Create a bedtime ritual
- 4. Get comfortable
- 5. Limit daytime naps
- 6. Include physical activity in your daily routine
- 7. Manage stress

SOURCE

http://www.mayoclinic.org/healthy-lifestyle/adult-health/in-depth/sleep/art-20048379 http://www.helpguide.org/articles/sleep/how-to-sleep-well-as-you-age.htm#quality



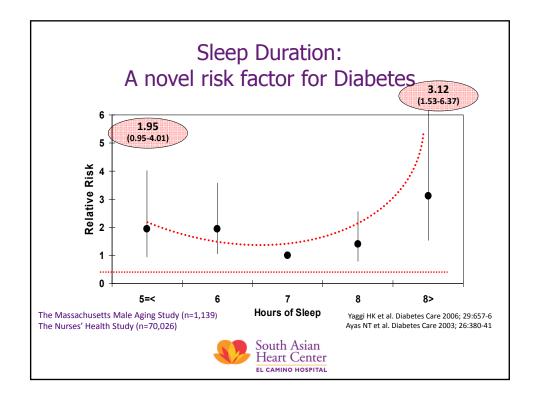
#### Signs of Sleep Disorders

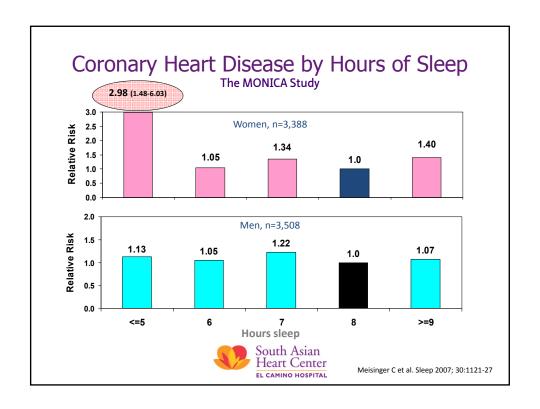
- 1. Struggling to sleep most nights
- 2. Wake up tired most times
- 3. Snoring or stop breathing in bed
- 4. Excessive day time sleepiness
- 5. Have trouble falling asleep (or staying asleep) for at least a month

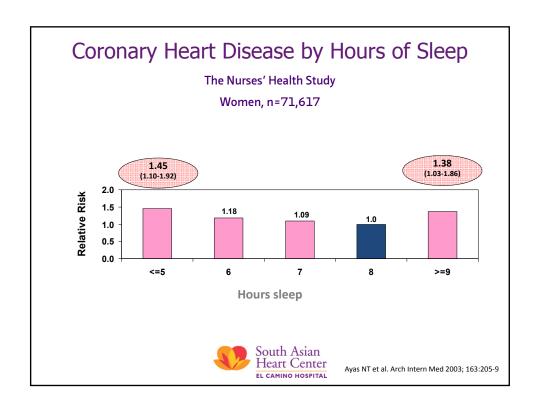
SOURCE

http://www.mayoclinic.org/healthy-lifestyle/adult-health/in-depth/sleep/art-20048379









#### Summary: Rest while Asleep

- Either a decrease in sleep duration from a regular 6, 7 or 8h per night or an increase from a regular 7 or 8h per night predict all-cause mortality
- Decrease in sleep duration increases cardiovascular deaths
- Increase in sleep duration increases noncardiovascular deaths



#### Resting while Awake: Meditation

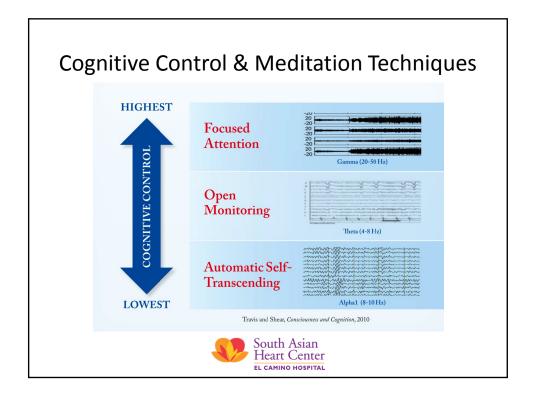
- Hypo-metabolic state accompanied by nonfocused alertness or pure consciousness
- Achieved through the process/technique of meditation
- Opportunities to choose rest over stress while awake
  - Feeling stressed, rushed, pressured, tense, tired or upset?

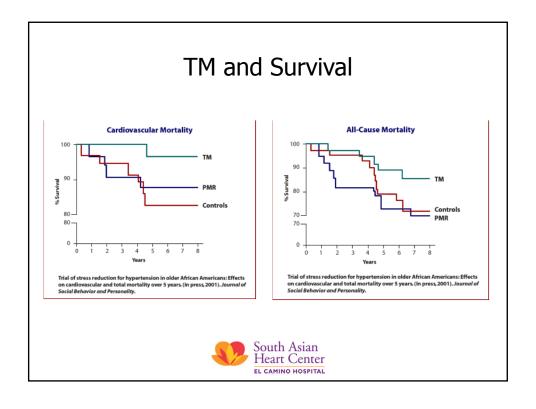


## **Meditation Techniques**

- Concentrative: Focus on an Object
  - Focused Attention
  - Spiritual, Prayer, Rhythmic Breathing, Repetitive Chanting
- Contemplative: Observe an Object
  - Open Monitoring
  - Mindfulness, Zen, Breath, Movement
- Transcendental: Lose the Object
  - Automatic Self-transcending: Pure consciousness or alertness
  - Uses meaningless sound or mantra







## **Next Steps**

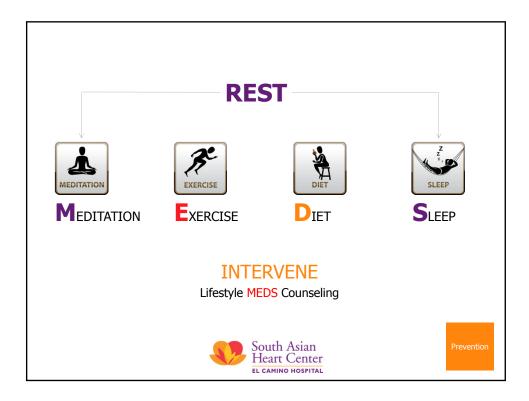
- Scheduling your TM orientation
- Sleep Disorders:
  - Visit your Primary Care Physician
  - Scheduling Sleep Study either with PCP, or
  - Send email to <a href="mailto:admin@southasianheartcenter.org">admin@southasianheartcenter.org</a>
- Webinar Survey
- Copy of Presentation



## Scheduling your TM orientation

- Send email to schedule your TM Orientation admin@southasianheartcenter.org
- Orientations are Thursday, 7:30 pm
- 305 South Dr #3, Mountain View, CA 94040
- Phone: (650) 424-8800





# **AIM** TO PREVENT™

**ASSESS** 

Advanced Screening

**INTERVENE** 

Lifestyle Counseling

MANAGE

Heart Health Coaching







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CO-FOUNDER & EXECUTIVE DIRECTOR

