OVERVIEW

- ebeciticand tor coming united go - Myst sizetemente
- What is the most common chronic inness that causes death?

CHANGEL IN

CARDIAC

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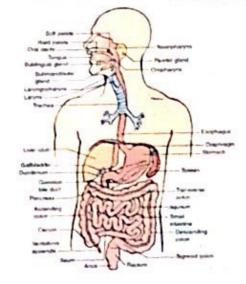
Aging: Parkinson's, Domontia, and

OVERVIEW DEBTESSIAN

- Trends:
 - Ppl live longer
 - Baby boomer are the most rapidly expanding population
 - → Tripled over 100 yrs
 - Increased life expectancy
- Nurses should be able to respond to the rapidly changing healthcare industry concerning older pts
 - Promoting positive behaviors
 - Educating impact of unhealthy behaviors in chronic illnesses
 - Assess pt's functional status
 - o Promote independence
 - Be able to recognize physiological differences older pts display and be able to distinguish them from diseases
 - o Others
- Health status of older adults (general)
 - About 70% of older adults rate their health as good
 - → Less so in African Americans, Hispanics, and Latinos
 - Chronic Illnesses are the main cause of why geriatric pts say their health is "poor"
 - → Many are preventable and treatable
 - → Chronic lower resp. diseases are the 3rd leading cause of death
- Intrinsic aging: normal aging process that are genetically programmed and universal
 - There are some environmental factors that can cause worse deteriorations than others

AGE RELATED CHANGES IN DIFFERENT BODY SYSTEMS

- Cardiovascular
- Respiratory
- Integumentary
- Reproductive
- Musculoskeletal
- Genitourinary
- Gastrointestinal
- Vision/eye
- Hearing
- Taste and smell



Cardiovascular Changes

- Physiological changes
 - Decreased response to stress
 - Higher blood pressure or orthostatic hypotension
 - Decreased CO

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- Interventions for older cardiac ptr?

RESPIRATORY

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INTEQUMENTARY

- ekin changes
- more brone to skin

Slower recovery rate

- Major s/s of CV changes
 - o Fatigue with activity
 - o Increased HR recovery time
 - o Syncope
 - Atypical chest pain
 - Orthostatic hypotension
- Nursing interventions
 - Educate pt on heart healthy diet (low fat and salt)
 - Exercise promotion
 - Weight control
 - Regular follow up for any CV issues
 - o Others

Respiratory Changes

- Physiological changes
 - Decrease gas exchange and diffusing capacity
 - Decreased coughing efficacy
 - Increased lung residual volume (air is trapped in lungs)
 - Decrease resp. muscle strength
 - Decreased vital capacity
- Major s/s of resp, changes
 - o Headache
 - o Chills
 - o Fever
 - o Coughing
 - o Anorexia
 - o (Dehydration **
 - Altered mental status
 - o Others
- Nursing interventions
 - Smoking cessation education –number 1 risk factor for resp. issues
 - Good hydration
 - Vaccination for pneumonia and flu
 - If pt had surgery, pt is at higher risk for pneumonla
 - → Educate about splinting, ICS use, deep breathing, etc.

Integumentary Changes

- Physiological changes
 - Decreased SQ fat

O Decreased interstitial fluid

- Decreased secretions
- Decreased sweating
- o Increased capillary fragility -> at risk for burns and tears
- Others
- . Major s/s of skin changes
 - o Frequent burns
 - Frequent skin tears
 - o Others
- Nursing interventions



- what are some educations you can give to older pts to protect skin?
- A 124rs old of is on 6100d thinners, so he has a risk of

REPRODUCTIVE SYLTEM

- to ____ or ___
- useded for older bt 13

MU, ULOSKELETAL

- older pts are
 prone to ____

 (name a few)
 due to musticulo
 keigtal weakening
- bour health? can your health?

- o Limit sun exposure to 10-15 mins per day for vit D
 - → Educate sunscreen
- o Recommend showers rather than hot baths (to prevent burns)
- Lubricate skin (since their natural skin oil production is low)
- Limit tape or adhesive bandages
- Be extra careful with pts who are on blood thinners
- o Others

Reproductive Changes

- Physiological changes
 - Less firm testes and decreased sperm production
 - Vaginal narrowing and decreased vaginal secretion
 - → Can cause painful intercourse
 - Slow sexual response
- Major s/s of reproductive changes
 - Vaginal dryness
 - o Decreased libido
 - o Erectile dysfunction
 - o Others
- Nursing interventions
 - Make sure you are open to older pts' sexual life
 - → Do not assume they are not sexually active
 - Refer to gynecology or urology if needed
 - Recommend using lubricant
 - Give sex education and protective measures to prevent STD spread
 - → Since lots of older pts think they don't need to use condoms as they cannot become pregnant or make partner pregnant
 - Educate that vasodilators and other HTN meds can cause erectile dysfunction

Musculoskeletal Changes

- Physiological changes
 - Loss of muscle strength
 - Decreased muscle mass
 - Loss of bone density
 - Degenerative joint cartilage
- Major s/s of musculoskeletal changes
 - Decreased ability to engage in ADLs
 - o Pain
 - o Fractures
 - o Falls
 - o Others
- Nursing interventions
 - Specific exercises
 - → Isometric exercises
 - → Aerobic exercises
 - o Nutritional education
 - → High Ca+
 - → Low phosphorus
 - → Vit D supplements



GENITOURINARY

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- of qu changes that occur widge.
- en saltem) to order to take (concerning unit biecontions
- can don sine to must addressed

SENAND IB

- of your top concerns for QI issues wi older pts?
- older pts should get at least ____
- president direct become to be sive to become to be compared to the country of the

- o Assess fall risk
- Assess home environment
- o Others

Genitourinary Changes



- Physiological changes
 - o Benign prostate hyperplasia 🚝
 - o Relaxed perineal muscle
 - Detrusor instability → urge incontinence
 - Urethral dysfunction → stress urinary incontinence
- Major s/s of GU changes
 - Frequent UTI
 - o Incontinence
 - Prostate issue
 - o Urinary retention
- Nursing interventions
 - o Avoid Foley (due to high risk of UTI)
 - Check for mental state alteration (can be due to high ammonia or sepsis from UTI)
 - → If antibiotics do not work, it may not be sepsis
 - Discourage drinking in the evening
 - o Educate on ways to avoid UTI
 - → Empty bladder all the way
 - → Lots of fluid
 - → Cranberry juice consumption
 - → Others
 - Pelvic floor exercise
 - Avoid Irritants like caffeine, alcohol, or artificial sweetener (can increase change of urgencies)

Gastrointestinal Changes

- Physiological changes
 - Difficulty swallowing
 - Delayed esophageal and gastric emptying
 - Decreased salivation
 - o Others
- Major s/s of GI changes
 - Nutritional imbalance
 - o Electrolyte imbalance
 - → Can manifest in other organ systems like cardiac
 - o Dry mouth
 - Constipation
 - o Others
- Nursing interventions
 - o Educate healthy diet
 - → Low fat
 - → Enough protein
 - → Enough fiber
 - → At least 1200mg of Ca+ for women 50yrs and older and men 70yrs and older

- DALINE , trrudom
- Which med may be given to Atthemer pts?
- An Alzheimer
 pt is severiy
 confused, what
 can you do to
 help pt?
- Why should you try & ambulate Alzheimer pts even if they are 2 a little agitated?

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- → ADL assistance
- → Death
- Medical management
 - o Cholinesterase Inhibitors (Aricept and Exelon) can improve memory
- Nursing interventions

Effective communication skills

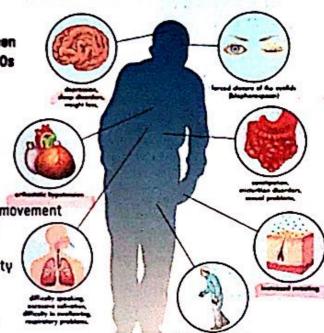
- → Speak clearly
- → Re-orient pt to situation if pt is confused
- Fall precautions
- o Be aware of sundowning -increased confusion at night
- Promote Independence and avoid restraints if possible
- Watch for medicine effectiveness
- Make pt move as much as possible to reduce risks related to
 immobility
- o Address "caregiver burnout"

PARKINSON DISEASE

- Slow progression
- Affects more women than men
- s/s can appear as early as 30s
- Risk factors:
 - o Age
 - o Environment
 - o Heredity
- Clinical manifestations
 - o Tremors
 - o Rigidity
 - o Bradykinesla -slow movement
 - o Postural instability
 - o Dysphagia
 - Depression or anxiety
 - o Others
- Treatment
 - Meds that increase Dopamine
 - Stereotactic procedure: targeting affected areas of brain
 - → Thalamotomy
 - → Pallidotomy
 - o Neural transplantation

Nursing interventions

- Educate use of supportive devices
- Administer prescribed meds and make sure pt is adhering
- Interprofessional communication like occupational therapist or speech therapist
 - Speech therapist is crucial for promoting speech and breathing
 - Occupational therapist is crucial for exercising



- Older pts should 43691 46 48B OF VIT D.
- Longterm use 06 ___ & ___ is load to promote urinating & pacting ta car

MERNOUS EARLEM S ALTHEIMERS

- How can a nurse brevent witigate confusion 5
- what are your teachings to prevent orthostotic hypotension?
- Nome a few LICK ESCHOLL OF AIZheimeris
- What are the worly & late sus of alzheimer's?

→ at least 600-800 IU of vtt D

- Provide good oral hygiene
- Recommend ice chips for enough fluid intake
- o Frequent smaller meals
- Educate to avoid heavy activity after eating
- Limit use of antacids and laxatives
- o Others

Nervous System Changes and Alzheimer's Disease

- Normal nervous system physiological changes
 - Reduction in nerve conduction speed
 - Reduction in cerebral circulation
- Major s/s of nervous system changes
 - o Confusion
 - Loss of balance
 - o Falls
 - o Others
- Nursing interventions
 - Pace teaching and do not rush
 - Encourage visitors
 - → Can make pt feel more homey → less confusion risk
 - Enhance sensory stimulation
 - Look for cause of any confusion
 - o Encourage slow rising from sitting down
 - → Pt should get up slowly → stand still for a min → slowly move/walk

Alzheimer's Disease

- Def: gradual loss of cognitive function
- 5th leading cause of death in older adults
- Disturbance in behavior and effects
- No cure
- Risk factors:
 - o Age
 - o Environmental
 - o Dietary
 - o Inflammatory disease hx
 - o Genetics
 - Neurotransmitter changes
 - o Vascular abnormalities
 - o Others
- Clinical manifestations
 - o Early:
 - → Forgetfulness
 - → Subtle memory loss
 - → Difficulty working or with social activities
 - → Depression
 - → Suspicion and paranoia
 - → Hostile
 - o Late:
 - → Cognitive deficits

what is your speaking & concerns of has serious of has serious of has serious

- Fall prevention and adaptive measures at home
- Make sure pt is adhering to nutritional needs like dietary restriction
- Manage aspiration and dysphagia

Vision Changes

- Physiological changes:
 - o Inability to tolerate glare
 - Hard time telling color
 - Decreased ability to focus on close objects
 - Hard time adjusting to light sensitivity
- Major s/s of vision changes
 - o Poor night sight
 - Inability to read with/without corrective lenses
 - o Complains to glare
- Nursing interventions
 - Educate use of glasses and lens
 - o Educate to not drive at night
 - o Others



Hearing Changes

- Physiological changes:
 - Tympanic membrane thinning and loss of resiliency
 - Inability to listen to high frequency sounds
- Major s/s of hearing changes
 - Inappropriate responses to what others say
 - Strains forward to listen
 - o Others
- Nursing interventions
 - Assess if pt heard what you said and repeat as needed
 - Make sure pt understood what you said



- o Check for non-verbal cues
- Make sure to re-explain if pt didn't hear the doctor
- Educate hearing aids
- o Others

Taste and Smell Changes

- Physiological changes: decrease of both abilities
- Major s/s of taste and smell changes: putting too much salt or sugar
- Nursing interventions
 - Use of lemon, spices, and herbs instead of salt and sugar
 - Educate smoking cessation –it can actually hasten loss of taste and smell

SLEEP

- 57% of older pts report sleep issues
 - Many causes: noise, pain, and nocturia
- Older adults usually sleep for 7 hrs and sleep lighter



- Stress is a high cause of sleeping troubles
 - Highly individual experience
 - Success as a younger adult is associated with positive image and less stress when aging
 - Nursing interventions: assess for cues since some pts don't want to tell you their problems (ex: depression)

LIVING ARRANGEMENTS

- Options:
 - Living at home/with family
 - → Depends on functional ability of pt
 - > Focus on home health
 - o Continuing Care Retirement Communities
 - → Somewhat independent
 - → Pt needs to be able to do day-to-day activities
 - → Like single apartments
 - > Skilled nursing interventions when pts need it
 - Assisted Living Facilities
 - → Minor independence
 - → Usually older pts go her when physical and cognitive changes require supervision or assistance with ADLs
 - → Expensive
 - → Not much independence compared to other options
 - Long-term Care Facility
 - Usually pts come here when they have major health issues that need ongoing care
 - Does not mean they are acutely ill
 - → Medicaid is accepted
 - → Can include hospice

