Aging and Developmental Disabilities

the Advocacy Alliance

Health Care Quality Units

Disclaimer

- The information presented to you today is intended to increase your awareness.
- This information is not intended to replace medical advice.
- If you are in need of medical advice, please contact your physician.



Objectives

- The participant will learn:
- Conditions associated with increased mortality in individuals with developmental disabilities (DD).
- Medical conditions associated with aging.
- Health promotion in aging individuals with DD.



Aging and I/DD

- to 66 years. From the 1930's to 2000, life expectancy in individuals who have DD rose from 18 years
- Mortality rates are highest for those who are immobile, unable to feed self and are incontinent.
- Aging adults with DD face many of the same challenges as other aging adults



Chronic Conditions in Individuals with Developmental Disabilities

Developmental Disabilities

■ Heart Disease

Hypertension

Down Syndrome

Thyroid problem

45%

▼Visual Impairment 17%

27%

Diabetes

■ Thyroid problem

10%





Aging and DD: Osteoarthritis

- Degenerative joint disease cartilage breaks down, joints became swollen and painful.
- Caused by "wear and tear," previous joint injury, heredity.
- 15 P Treated with NSAIDS, non-narcotic and narcotic replacement. pain relievers, physical therapy and/or joint



Aging and DD: Osteoporosis

- Reduction of bone mineral density significantly increases the risk of bone fractures.
- times greater than the general population Fracture rate for individuals with DD is 1.7 to 3.5
- anticonvulsant medications. Factors associated with increasing risk of menopause, Down syndrome, and long term use of osteoporosis are: immobility, thyroid dysfunction,



Osteoporosis

Prevention

- Calcium intake (1000-1500 mg/day)
- Vitamin D (400 mg day)
- Weight bearing exercises
- Avoid smoking

Treatment

- Fosamax, Actonel,
 Boniva, Forteo, Calcitonin
- Estrogen



Aging and DD: Vision

- adjust to glare, and decrease in dark adaptation. Loss of acuity, decreased visual field, less able to
- and age-related macular degeneration Dry eye, cataracts, glaucoma, diabetic retinopathy,
- Ŷ, Vision changes cause function changes:
- Stumbling
- Hesitancy
- Withdrawal from activities
- Holding objects close



Aging and DD: Hearing

- Conductive loss earwax, infection, trauma.
- artery disease). Sensori-neural loss – poor conduction of sound by nerve to brain (e.g., diabetes, hypertension
- Aging causes thickening of eardrum, reduced blood supply to auditory nerve area, and an increase in wax buildup.



Aging and DD: Heart Disease

- Decreased elasticity of arteries.
- contraction. Heart rate decreases due to slower muscle
- Build up of fat and calcifications in arteries.
- Increased incidence of high blood pressure.



Aging and DD: Heart Disease

Signs of heart attack

- Chest discomfort
- Discomfort in arms, back, jaw, and neck
- Shortness of breath
- Nausea
- Dizziness
- Perspiring

Protect the heart

- Regular, moderate exercise
- Healthy, low sodium, and low fat diet
- Watch for signs of decreased endurance
- Regular blood pressure checks



Aging and DD: Stroke

- The reduction of blood supply to the brain.
- Thrombotic a clot blocks the flow of blood to brain.
- Hemorrhagic — blood vessel in the brain bursts or leaks.
- Risk factors: High blood pressure and high cholesterol.
- Smoking
- Obesity
- ⊐ Age
- □ Race
- Diabetes



Aging and DD: Stroke

- Early Warning Signs
- Weakness or numbness of face, arm, or leg on one side of body
- Change or loss of vision in one eye
- □ Sudden severe headache
- Difficulty speaking or understanding speech
- Dizziness/unsteadiness



Aging and DD: Respiratory

Aspiration Pneumonia

- Contents from mouth or stomach enter the lungs causing infection
- Caused by swallowing difficulties, dental disease, altered level of consciousness, neurologic and neuromuscular disorders
- Symptoms include fever, fatigue, cough, wheezing, chest pain, and shortness of breath.



Aging and DD: Aspiration Pneumonia

Prevention

- Modify consistency of food and liquids.
- Maintain proper position when eating and drinking.
- Adaptive equipment as needed.
- Treatment consists of antibiotics, oxygen, positioning, and breathing treatments



Aging and DD: Chronic Obstructive Pulmonary Disease

- Persistent obstruction of the airway.
- Caused by smoking, frequent lung infections, and exposure to pollutants.
- decreased lung function. Emphysema — damaged alveoli causes
- Bronchitis inflammation of lining of bronchial tubes.



Aging and DD: Skin

- Aging causes loss of skin thickness, elasticity and subcutaneous fat.
- Higher risk of skin/tissue injury if individual has impaired mobility.
- Good skin care is essential.
- Reposition regularly as needed.



Aging and DD: Genitourinary/Gastrointestinal

- Effects of decreased hormones
- Enlargement of prostate.
- Bladder capacity and muscle tone decreases.
- Digestion slows; less absorption of nutrients.
- May have increase in indigestion and ulcers.
- Require less caloric intake.



Aging and DD: Dementia

- Syndrome involving progressive decline in brain function.
- Impairment in:
- □ Memory
- Loss of ADL skills
- □ Language
- Personality changes
- Visuospatial function
- Executive function



Aging and DD: Dementias

- Alzheimer's Disease brain cell destruction due to "plaques and tangles."
- Vascular Dementia blocked blood flow to brain causes brain cell damage.
- protein deposits. Lewy Body Dementia — caused by abnormal
- Pick Disease.
- Mild Cognitive Impairment.



Aging and Down Syndrome

- earlier age. Higher risk of Alzheimer's Disease at a much
- Normal aging processes at an earlier age.
- hip). Higher incidence of joint problems (neck, knee,
- Increased risk of heart valve disease.
- Overweight and obesity.



Aging and Cerebral Palsy

- Severity of Cerebral Palsy symptoms is related to life expectancy rate.
- and intestinal tract. movement of food through throat, stomach, Digestion problems as a result of abnormal
- Abnormal muscle tone resulting in joint and bowel/bladder dysfunction. muscle pain, joint deformities, and



Aging and DD: Interventions Caregiver

- causes: occur take steps to investigate all possible When changes in behavior and mental function
- Medical illness
- Reaction to medications
- Mental health problems



Aging and DD: Caregiver Interventions

Be an advocate for the individuals for whom and I/DD. you care. Not all physicians and healthcare professionals have experience with aging

- Be alert for changes and report.
- Promote healthy living.

