Part II Diseases

Endocrine Disorders

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Diabetes Mellitus

Patient name: _____ Admission: ___ NRS DATE INITIAL NRS DATE INITIAL The client/caregiver can define diabetes during pregnancy in a person who does I. not have diabetes. mellitus. A. It is a disease in which the body does not IV. The client/caregiver can list risk factors for produce or properly use insulin. diabetes. B. Insulin is a hormone produced in the A. A parent, brother, or sister with diabetes pancreas and is necessary for the body to B. Obesity turn sugar and other foods into energy. C. Age greater than 45 years C. A lack of insulin leads sugars to build up D. Member of some ethnic groups (particuto unsafe levels in the blood. larly African American and Hispanics) II. The client/caregiver can explain current E. Gestational diabetes or delivering a baby diabetes definitions. weighing more than 9 pounds F. High blood pressure A. Diabetes mellitus is defined as a fasting G. High triglyceride or cholesterol levels blood sugar level of 126 mg/dl or more. B. "Prediabetes" is when blood glucose The American Diabetes Association recommends (sugars) are higher than normal, but not that all adults be screened for diabetes at least every yet diabetic. 3 years. A person at high risk should be screened 1. Prediabetics have an increased risk for more often. developing type 2 diabetes, heart disease, and stroke. V. The client/caregiver can recognize signs 2. They have impaired fasting glucose and symptoms. levels (100 to 125 mg/dl). 3. They have impaired glucose tolerance A. Symptoms of type 1 diabetes (fasting glucose less than 126 mg/dl • Increased thirst and a glucose level between 140 and Increased urination 199 mg/dl 2 hours after taking an oral Weight loss in spite of increased appetite glucose tolerance test). • Fatigue Nausea The client/caregiver can list the three major III. • Vomiting types of diabetes. B. Symptoms of type 2 diabetes Increased thirst A. Types of diabetes: · Increased urination 1. Type 1 diabetes is usually diagnosed in Increased appetite childhood. Daily injections of insulin • Fatigue are required to sustain life. Blurred vision 2. Type 2 diabetes usually occurs in Slow-healing infections adulthood. The pancreas does not Impotence in men make enough insulin to keep blood glucose (sugar) levels normal. Many VI. The client/caregiver can list ways the people do not know they have this diabetic can test glucose levels. type. This type is becoming more common because of age, obesity, and A. Urine analysis to check for glucose and a lack of exercise. ketones 3. Gestational diabetes is high blood B. Fasting blood glucose level glucose levels that develop at any time C. Random (nonfasting) blood glucose level

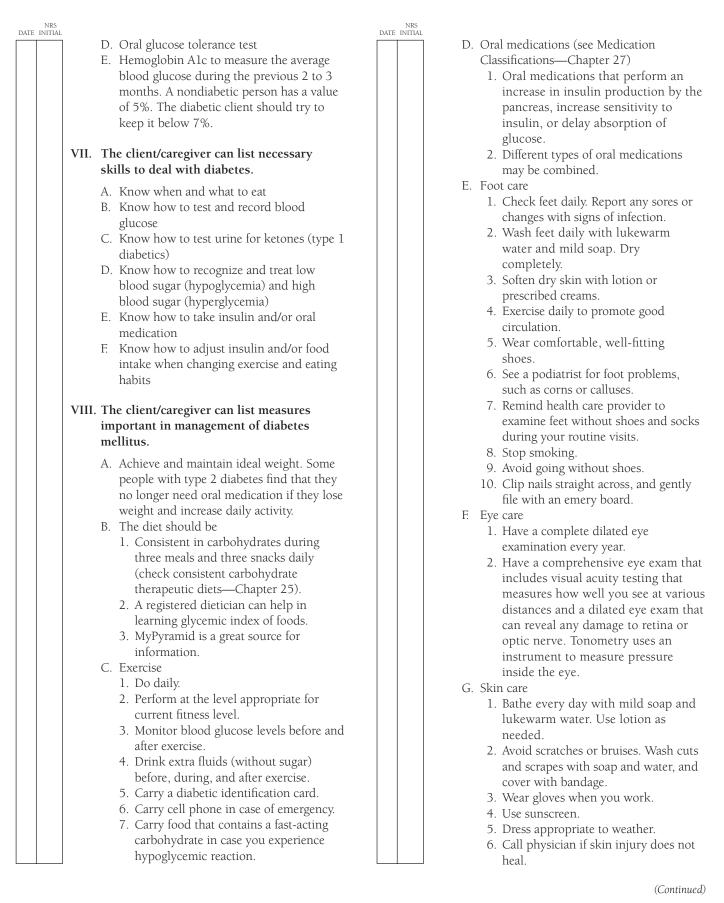
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Part II Diseases

Endocrine Disorders



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Endocrine Disorders

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NRS DATE INITIAL NRS DATE INITIAL H. Dental care 2. Sources of concentrated simple 1. Brush and floss every day. carbohydrates are sweetened fruit 2. Visit the dentist every 6 months. juice, candy, cake frosting, or glucose tablets. IX. The client/caregiver can recognize signs, 3. The following on the list each contain symptoms, and possible causes of about 15 grams of carbohydrate: hyperglycemia (high blood sugar). • Three glucose tablets • One-half cup of fruit juice or regular A. Signs and symptoms soda • Polyuria (frequent or excessive Six or seven hard candies (not sugar urination) free) • Polydipsia (extreme thirst) • One tablespoon of honey or • Polyphagia (excessive hunger) sugar B. Possible causes of hyperglycemia 4. Go to the emergency room if symptoms • One of the first signs of diabetes persist. Excess food Insufficient insulin production · Lack of exercise XII. The client/caregiver can state management • Infection of diabetes during illnesses. • Obesity A. Take your insulin or oral medications. B. Test your blood sugar before each meal Χ. The client/caregiver can recognize signs, and at bedtime. symptoms, and possible causes of C. Follow your meal plan, if you can eat. If hypoglycemia (low blood sugar). This you are not eating, take in at least 4 usually occurs when the blood sugar is ounces of sugar-containing beverage below 50 mg/dl. every hour. Encourage fluids to maintain hydration. A. Signs and symptoms include the following: D. Contact your physician if • Sweating 1. You are unable to keep down food, • Tremors liquids or medications. Anxiety • Hunger 2. Your illness lasts more than 24 hours. 3. You have blood sugars higher than 240 • Dizziness mg/ml for more than 1 day. • Headache · Cloudy vision Confusion XIII. The client/caregiver is aware of possible Abnormal behavior emergency complications. • Convulsions A. Diabetic hyperglycemic hyperosmolar • Loss of consciousness coma B. Possible causes of hypoglycemia (low 1. It is caused by complications of type 2 blood sugar) include the following: diabetes and extremely high blood • An excessive amount of insulin glucose (sugar) levels without presence • Inadequate amount of food of ketones. • Excessive exercise 2. The symptoms are decreased consciousness, extreme dehydration, XI. The client/caregiver will know what to do if and very high blood glucose (sugar) symptoms of high or low blood sugar levels (600 to 2400 mg/dl). occurs. 3. It can be triggered by infection or A. High blood sugar increased fluid loss. 1. Go to the emergency room. 4. Symptoms are elevated pulse, low B. Low blood sugar blood pressure, speech impairment, 1. Eat some form of simple carbohydrate confusion, convulsions, and as soon as possible. coma. Client Teaching Guides for Home Health Care, 3rd ed. © 2008 Jones and Bartlett Publishers, LLC www.jbpub.com

Part II Diseases

NRS DATE INITIAL B. Diabetic ketoacidosis results from extremely high blood sugar levels causing metabolic acidosis. Symptoms are as follows: · Increased thirst and urination • Nausea • Deep and rapid breathing • Abdominal pain • Sweet-smelling breath • Loss of consciousness C. Hypoglycemic coma or severe insulin reaction. Symptoms are as follows: · Weakness and drowsiness Headache Confusion • Dizziness • Double vision · Lack of coordination • Convulsions • Unconsciousness XIV. The client/caregiver is aware of possible long-term complications. • Diabetic retinopathy-damage to retina possibly leading to blindness • Diabetic nephropathy—kidney damage • Diabetic neuropathy—loss of sensation in extremities, loss of bladder control, and impotence • Hyperlipidemia • Hypertension—strokes

- Coronary artery disease, peripheral vascular disease, atherosclerosis
- Amputation of extremities

RESOURCES

American Diabetes Association *www.diabetes.org*

Diabetes Risk Test

www.diabetes.org/risk-test

Community support group

Dietician or nutritionist

MyPyramid from the United States Department of Agriculture *www.mypyramid.gov/*

National Institute of Diabetes and Digestive and Kidney Diseases www2.niddk.nih.gov/

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