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Appendix 2

Etiologic Classification of Diabetes Mellitus

<p>Type 1 diabetes (including LADA form) (Beta-cell destruction, usually leading to absolute insulin deficiency) A. Immune mediated B. Idiopathic</p>	
<p>Type 2 diabetes (May range from predominantly insulin resistance with relative insulin deficiency to a predominantly secretory defect with insulin resistance)</p>	
<p>Gestational diabetes mellitus</p>	
<p>Other specific types</p>	
<p>Genetic defects of beta-cell function</p> <ul style="list-style-type: none"> • Chromosome 20, HNF-4alpha (MODY1) • Chromosome 7, glucokinase (MODY2) • Chromosome 12, HNF-1alpha (MODY3) • Chromosome 13, IPF-1 (MODY4) • Chromosome 17, HNF-1beta (MODY5) • Chromosome 2, NeuroD1 (MODY6) • Chromosome 2, KLF11 (MODY7) • Chromosome 9, CEL (MODY8) • Chromosome 7, PAX4 (MODY9) • Chromosome 11, INS (MODY10) • Chromosome 8, BLK (MODY11) • Chromosome 11, ABCC8 • Chromosome 11, KCNJ11 • Mitochondrial DNA • Permanent neonatal diabetes • Transient neonatal diabetes • Others <p>Genetic defects in insulin action</p> <ul style="list-style-type: none"> • Leprechaunism • Lipotrophic diabetes • Rabson-Mendenhall syndrome • Type A insulin resistance • Others <p>Diseases of the exocrine pancreas</p> <ul style="list-style-type: none"> • Cystic fibrosis • Fibrocalculous pancreatopathy • Hemochromatosis • Neoplasia • Pancreatitis • Trauma/pancreatectomy • Others <p>Endocrinopathies</p> <ul style="list-style-type: none"> • Acromegaly • Aldosteronoma • Cushing's syndrome • Glucagonoma • Hyperthyroidism • Pheochromocytoma • Somatostatinoma • Others 	<p>Drug or chemical induced</p> <ul style="list-style-type: none"> • Alpha-interferon • Atypical antipsychotics* • Beta-adrenergic agonists • Calcineurin inhibitors* • Diazoxide • Dilantin • Fluoroquinolones • Glucocorticoids* • Highly active antiretroviral therapy (HAART)* • HMG CoA reductase inhibitors (statins) • Nicotinic acid • Pentamidine • Thiazides • Thyroid hormone • Vacor (rodenticide) • Others <p>Infections</p> <ul style="list-style-type: none"> • Congenital rubella • Cytomegalovirus • Others <p>Uncommon forms of immune-mediated diabetes</p> <ul style="list-style-type: none"> • Anti-insulin receptor antibodies • "Stiff-man" syndrome • Others <p>Other genetic syndromes sometimes associated with diabetes</p> <ul style="list-style-type: none"> • Down syndrome • Friedreich's ataxia • Huntington chorea • Klinefelter syndrome • Laurence-Moon-Bardet-Biedl syndrome • Myotonic dystrophy • Porphyria • Prader-Willi syndrome • Turner syndrome • Wolfram syndrome • Others
<p>Adapted and updated from: American Diabetes Association. Diagnosis and classification of diabetes mellitus. Diabetes Care 2012;35(suppl 1):S64-71. LADA; latent autoimmune diabetes of adults * Medications more commonly associated with hyperglycemia.</p>	