

# Resource Highlight

*DynaMedex*



## SMHCS Medical Library

# DynaMedex

- Evidenced-based point of care clinical medical database compiled by physician experts, providing recommendations across 45 specialties. DynaMedex also integrates and links to Micromedex.
- With DynaMedex:
  - Answer Questions Quickly
  - Increase Clinical Knowledge
  - Improve Patient Care
  - Earn CME
  - Share Patient Education
- DynaMedex is available via website and mobile app.
- Create Personal Account and receive practice changing alerts.



# Quick Overview

DynaMedex	
Evidence-based	Evidence-based with access to key reference information. Uses GRADE approach for strength of recommendation.
Built-in drug info	From Micromedex
Patient information	Yes, with links to vetted resources. All patient information is for a 5-7th grade reading level.
Breadth	Monitors over 500 journals plus Cochrane. Also monitors 19,000+ national and international guidelines.
Peer Reviewed	Yes

# Style of Presentation - DynaMedex

- DynaMedex favors **concise, bulleted formats** with a clear hierarchy of information.

DynaMedex

English

diabetes

Type 2 Diabetes Mellitus in Adults > Overview and Recommendations > Evaluation

< Previous Section

Next

Overview and Recommendations

Evaluation

Management

Background Information

History and Physical

Diagnosis

Management

Complications

Prognosis

Prevention and Screening

Quality Improvement

Guidelines and Resources


Patient Decision Aids

Patient Information

References

Evaluation

- Type 2 diabetes is frequently asymptomatic, but may present with symptoms typical of hyperglycemia, such as polyuria, polydipsia, and polyphagia. It is often identified through routine screening beginning in middle age, or through targeted screening of adults of any age with overweight or obesity and with risk factors such as metabolic syndrome, polycystic ovary syndrome, a history of gestational diabetes, or other concerning familial, clinical, or demographic characteristics.
- Assess [glycemic status](#) if diabetes is suspected [Strong Recommendation].
  - In patients with classic symptoms of hyperglycemia (such as polyuria or polydipsia) or hyperglycemic crisis (either diabetic ketoacidosis or hyperglycemic hyperosmolar state), a random plasma glucose  $\geq 200$  mg/dL ( $\geq 11.1$  mmol/L) is diagnostic of diabetes.
  - In the absence of unequivocal hyperglycemia, perform a 2-hour plasma glucose during the 75-g oral glucose tolerance test (OGTT) or obtain a fasting plasma glucose or HbA1c to assess for diabetes.
    - Fasting glucose  $\geq 126$  mg/dL ( $\geq 7$  mmol/L) from either 2 separate test samples or from the same sample is diagnostic of diabetes.
    - HbA1c  $\geq 6.5\%$  ( $\geq 48$  mmol/mol) is diagnostic for diabetes, but this should be confirmed with another measure of hyperglycemia.
- Assess [HbA1c, or another glycemic measurement](#), to determine glycemic control.
  - Assess glycemic status using either HbA1c [Strong Recommendation] and/or continuous glucose monitoring (CGM) metrics such as time in range, time above range, and time below range [Conditional Recommendation]. When an alternative to HbA1c is needed, fructosamine or CGM can be used for glycemic monitoring [Conditional Recommendation].
  - Assess glycemic status at least 2 times/year and more frequently (such as every 3 months) in patients not meeting treatment goals or with therapy changes, frequent or severe hyper- or hypoglycemia, changing health status, or young patients experiencing growth and development [Conditional Recommendation].



Diabetic dermopathy

Tables

Uncommon Types of Diabetes

Related Topics

Management of Type 2 Diabetes in Adults

Diabetes Mellitus Type 2 in Children and Adolescents

Selection of Glucose-Lowering Medications Adults With Type 2 Diabetes

Glycemic Goals for Adults With Type 2 Diabetes

Type 1 Diabetes Mellitus in Children and Adolescents

Hypertension Treatment in Patients With D

Lipid Management in Diabetes

SARASOTA  
MEMORIAL  
HEALTH CARE SYSTEM

# Style of Presentation - DynaMedex

- DynaMedex appraises evidence using a 3 level approach. Most summaries include evidence labels.

## Efficacy of Pancreas Transplant

### STUDY SUMMARY

simultaneous pancreas-kidney transplant with functioning pancreas graft 3 months posttransplant associated with improved patient and kidney graft survival time compared to simultaneous pancreas-kidney transplant with early pancreas graft loss, deceased-donor kidney transplant, or living-donor kidney transplant in adults with type 1 diabetes

DynaMed Level 2

COHORT STUDY: [Transpl Int 2022;35:10618](#)

[Details](#) ▾

### STUDY SUMMARY

simultaneous pancreas-kidney transplant associated with reduced mortality in type 1 diabetes

DynaMed Level 2

COHORT STUDY: [Nephrol Dial Transplant 2013 May;28\(5\):1315](#)

[Details](#) ▾

## Efficacy of Islet Cell Transplant

Level 1	Likely reliable evidence
Level 2	Mid-level evidence
Level 3	Lacking direct evidence



# Unique Tools – Isabel DDx

- **Isabel DDx** (available via site – use QR code on the interface or on this powerpoint)
  - Used to help construct or broaden a differential diagnosis.
  - Runs a pattern recognition program to provide a ranked list of potential diagnosis using patient information and a large database of disease presentations.
  - Isabel is not available in the DynaMedex mobile app.

The screenshot displays the Isabel DDx web interface. At the top, the header includes the 'isabel' logo, 'EBSCOhost', and 'Sarasota Memorial Health Care System'. Navigation links for 'English' and 'Logout' are on the right. Below the header, a progress bar shows 'Step1: Clinical features' as the active step, followed by 'Step2: Checklist' and 'Step3: Resources'. The main content area is divided into three panels. The left panel, titled 'Clinical features', contains input fields for 'Age of the patient' (a dropdown menu), 'Patient's sex at birth' (radio buttons for 'Female' and 'Male'), and 'Patient's travel history' (a dropdown menu). Below these is a text input field for 'Enter abnormal clinical features in free text OR select from list. NO negatives:' with a plus icon. At the bottom of this panel are 'Get Checklist' and 'Clear' buttons. The middle panel, titled 'DynaMedex', has a search bar and a 'Search' button. The right panel, titled 'Isabel on your mobile', displays a QR code. At the bottom right of the interface is the 'SARASOTA MEMORIAL HEALTH CARE SYSTEM' logo.

## Contact the Library for Assistance and in-person or virtual training.

Email: [Medical-Library@SMH.com](mailto:Medical-Library@SMH.com)

Website: <https://library.smh.com>