THE SOUTHERN DIABETES INITIATIVE

primed

Screen, Assess, Treat, Repeat Charles Vega, MD, FAAFP

Faculty Disclosure Information

The following relationships exist related to this presentation:

Charles Vega, MD, FAAFP: No financial relationships to disclose.

Off-Label/Investigational Discussion

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Learning Objectives

- Improve screening and diagnosis of prediabetes and diabetes
- Prevent T2DM and delay progression through patient education and lifestyle interventions

Abbreviations

FPG	Fasting plasma glucose
HbA1c	Hemoglobin A1c
IFG	Impaired fasting glucose
IGT	Impaired glucose tolerance
OGTT	Oral glucose tolerance test
PG	Plasma glucose







Audience Response Question



The ADA suggests testing which of the following patients for prediabetes and diabetes?

- 1. A 25-year-old Latina woman with BMI 33 kg/m² and PCOS
- 2. A 30-year-old African American man with a BMI 27 kg/m² and a first degree relative with T2DM
- 3. A 47-year-old Caucasian woman with a BMI 23 kg/m² and no risk factors for T2DM
- A 35-year-old Asian woman with a BMI 23 kg/m² who is physically inactive
- 5. All of the above

Rati	onale		
	A 25-year-old Latina woman with BMI 33 kg/m² and PCOS	Yes, she has a BMI ≥25 kg/m² and an additional risk factor (PCOS)	
	A 30-year-old African American man with a BMI 27 kg/m ² and a first degree relative with T2DM	Yes, he is a member of a high-risk ethnic group with a BMI ≥25 kg/m² and a first degree relative with diabetes	
	A 47-year-old Caucasian woman with a BMI 23 kg/m ² and no risk factors for T2DM	Yes, she is ≥45 years old	
	A 35-year-old Asian woman with a BMI 23 kg/m ² who is physically inactive	Yes, data suggest that for an Asian American a BMI ≥23 kg/m² may be overweight and she has another risk factor (physical inactivity)	
	All of the above	Best answer	





lormal	Prediabetes	Diabetes
PG <100 mg/dL	IFG FPG 100-125 mg/dL	FPG ≥126 mg/dL
-h PG <140 mg/dL	IGT 2-h PG ≥140-199 mg/dL	2-h PG during OGTT ≥200 mg/dL OR Random PG ≥200 mg/dL + symptoms (polydipsia, polyuria, polyphagia, weakness, unexplained weight loss, blurred vision)
lbA1c⁺ <5.6%	5.7 to 6.4%	≥6.5%



Screening Asymptomatic Children for Prediabetes and Diabetes

Criteria

Consider for all children who are overweight (≥85% percentile) or obese (≥95 percentile) and who have 1 of any of the following risk factors:



- Family history of T2DM in first- or second-degree relative
- High-risk race/ethnicity
- Signs of insulin resistance/conditions associated with insulin resistance
- Maternal history of DM of GDM during child's gestation
- Risk-based screening should begin at ≥10 years/onset of puberty
- If tests are normal, repeat testing at least every 3 years (more frequently if BMI is increasing)
- HbA1C test is recommended for diagnosis

ADA. Diabetes Care. 2019: 42(1):S13-28.



Audience Response Question According to the ADA, which of the following recommendations can help prevent a patient with prediabetes from progressing to T2DM? 1. 150 min/week of brisk walking or exercise of similar intensity 2. Achieve and maintain a 5% weight loss in 6 months 3. Exercise at least 2×/week 4. All of the above













Audience Response Question



According to the ADA, which of the following is <u>NOT</u> a fundamental aspect of diabetes care?

- 1. Diabetes self-management education and support (DSMES)
- 2. Physical activity
- 3. Referral for bariatric surgery if BMI > 35 kg/m^2
- 4. Psychosocial care
- 5. Smoking cessation





ervices can address a patient's ² Health beliefs
Health beliefs
Current knowledge
Cultural needs
Family support
Financial status
Physical limitations
Emotional concerns
Medical history
Health literacy
factors that influence their ability to meet the
challenges of self-management
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