Clinical Glidepath™ Tools Syncope

Зупсоре							
	Robust ElderlyFrailLife expectancy greater than five years and functionally independentLife expectancy less that five years or significant functional impairment	Life expectancy less than					
[ALL GROUPS						
	<u>SYMPTOMS</u>	<u>CAUSE</u>					
	a) warmth, nausea	a) vasovagal					
	b) postural symptoms	b) orthostasis					
	 c) chest pain, dyspnea, post-exercise, dizziness, history of heart disease, palpitations, family history (prolonged QT)² 	c) cardiac ²					
	d) defecation, micturition, coughing, swallowing	d) situationale) carotid sinus hypersensitivity					
	e) head turning or neck pressure						
	f) ictal symptoms, diplopia, headache, aura, hemiparesis	f) neurologic					
	g) occurs following meals	g) postprandial					
	h) heat exposure, poor fluid intake	h) dehydration					
	i) medication-related ³	i) medications ³					
	j) flushing, dermatographia, urticaria, dyspepsia	j) systemic mastocytosis					

EVALUATION¹

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бунсорс				
Recommendations: Highest Do Discuss Consider	<u>Robust Elderly</u> Life expectancy greater than five years and functionally independent	<u>Frail</u> Life expectancy less than five years or significant functional impairment	<u>Moderately</u> <u>Demented</u> Life expectancy two to ten years	<u>End of Life</u> Life expectancy less than two years
towest **** (see introduction for further explanation) EVALUATION (continued) PHYSICAL EXAMINATION ¹	 Focus on cardiac and neurologic examination. Auscultate for aortic sten- osis and hypertrophic cardiomyopathy murmurs² Orthostasis (measure up to 2 minutes) Look for differences in blood pressure in each arm Consider blood pressure 	 Focus on cardiac and neurologic examination. Auscultate for aortic sten- osis and hypertrophic cardiomyopathy murmurs² Orthostasis (measure up to 2 minutes) Look for differences in blood pressure in each arm Consider blood pressure 	 Focus on cardiac and neurologic examination. Auscultate for aortic sten- osis and hypertrophic cardiomyopathy murmurs² Orthostasis (measure up to 2 minutes) Look for differences in blood pressure in each arm Consider blood pressure 	 Focus on cardiac and neurologic examination. Auscultate for aortic step osis and hypertrophic cardiomyopathy murmun 2. Orthostasis (measure up to 2 minutes) Look for differences in blood pressure in each arm Consider blood pressure
FURTHER	 1. Consider blood pressure before and 1/2 to 1 hour after a meal 1. If acute cardiac or neuro- 	 1. Consider blood pressure before and 1/2 to 1 hour after a meal 1. If acute cardiac or neuro- 	 4. consider blood pressure before and 1/2 to 1 hour after a meal 1. If acute cardiac or neuro- 	 after a meal 1. If acute cardiac or neuro
EVALUATION	logical event, send to ED.	logical event, discuss sending to ED.	logical event, discuss sending to ED.	logical event, consider sending to ED.
	 2. ECG¹ 3. Hgb/Hct, BUN/Cr, electrolytes 	 ECG¹ Hgb/Hct, BUN/Cr, electrolytes 	 ECG¹ Hgb/Hct, BUN/Cr, electrolytes 	 Consider ECG¹ Consider Hgb/Hct, BUN/Cr, electrolytes
	 Check driving status and discuss potential dangers. No driving for uncontrolled syncope 	 Check driving status and discuss potential dangers. No driving for uncontrolled syncope 	4. Check driving status and discuss potential dangers. No driving for uncontrolled syncope	4. Check driving status and discuss potential dange No driving for uncontrolled syncope
	5. Consider monitored carotid sinus massage if history suggestive of carotid sinus disease and	5. Consider monitored carotid sinus massage if history suggestive of carotid sinus disease and	5. Consider monitored carotid sinus massage if history suggestive of carotid sinus disease and	5. ****

1. The history, physical examination and ECG are the core of the syncope workup, giving a combined diagnostic yield up to 50%. Linzer M, *et al*, in a 2-part series, have reviewed English language studies between 1980-1995. The studies were randomized trials, observational studies, cohort studies or case series of >10 patients. In addition, footnotes 2,5, and 7 (below) are based on these papers.

Linzer M, Yang EH, Estes M 3rd, Wang, P, *et al.* Diagnosing Syncope Part 1: Value of history, physical examination, and electrocardiography. *Ann Intern Med* 1997; 126: 989-96.

Linzer M, Yang EH, Estes M 3rd, Wang, P, *et al.* Diagnosing Syncope Part 2: Unexplained syncope. *Ann Intern Med* 1997; 127:76-86.

- 2. Patients in whom heart disease is known or suspected or those with exertional syncope are at higher risk for adverse outcome.
- 3. Many drugs can cause syncope and near-syncope. However, in one multicenter case-controlled study of over 2300 patients, the following drugs were significantly associated with an excess risk of syncope: fluoxetine, haloperidol and L-dopa.

Cherin P, Colvez A, Deville de Periere G, Sereni D: Risk of syncope in the elderly and consumption of drugs: A case-control study. *J Clin Epidemiol* 1997; 50: 313-20.

4. Five referral studies of carotid sinus message in syncope show that its greatest utility may be in older patients (mean age in studies 60-81). The test appears to be safe if done in the office in patients who do not have carotid bruits, recent myocardial infarction, recent stroke or history of ventricular tachycardia (incidence of neurologic complications).

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