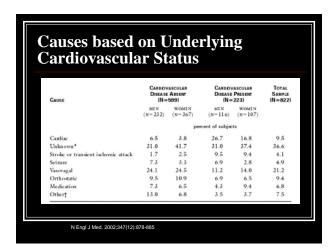
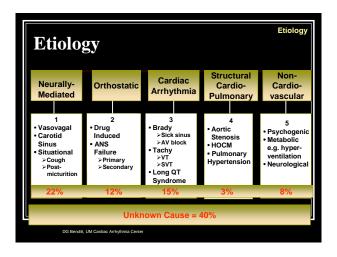
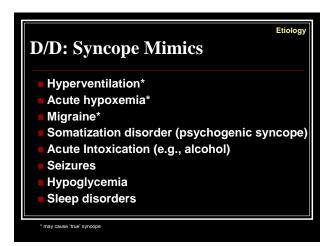
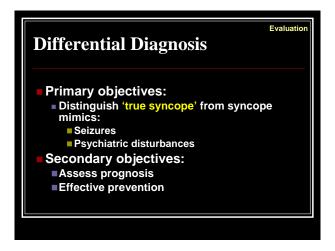


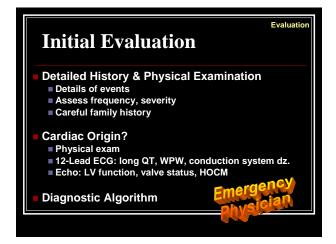
Causes		Eti
Cause	Prevalence (Mean) %	Prevalence (Range) %
Reflex-mediated:		
Vasovagal	18	8-37
Situational	5	1-8
Carotid Sinus	1	0-4
Orthostatic hypotension	8	4-10
Medications	3	1-7
Psychiatric	2	1-7
Neurological	10	3-32
Organic Heart Disease	4	1-8
Cardiac Arrhythmias	14	4-38
Unknown	34	13-41

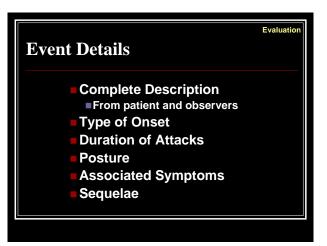


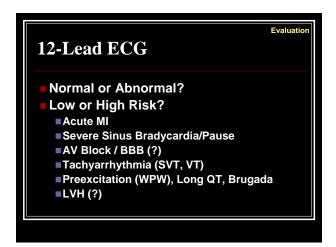


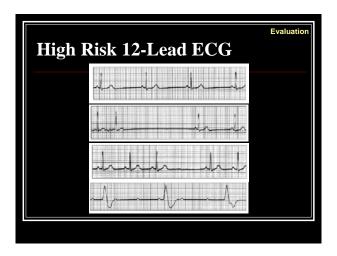


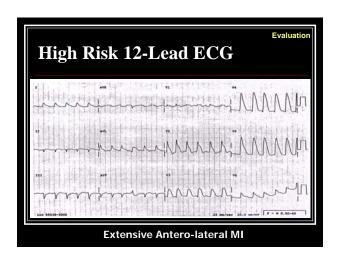


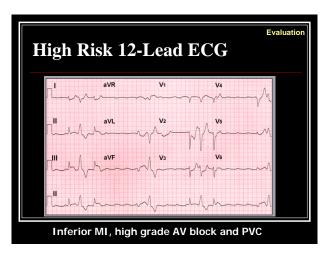


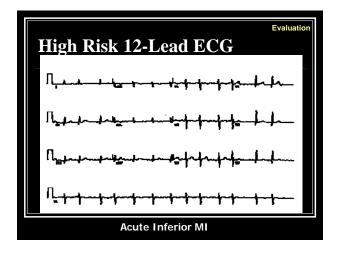


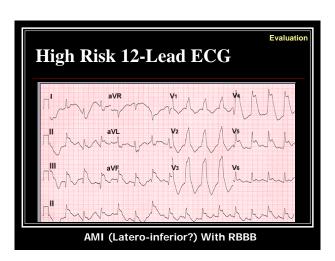


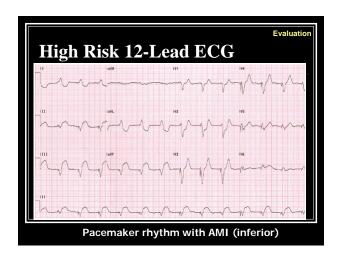


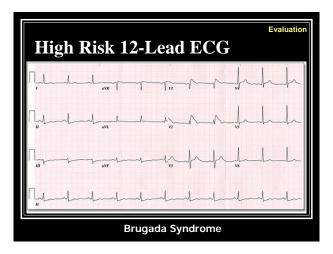


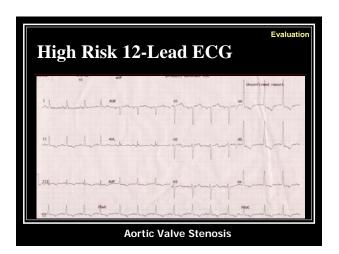


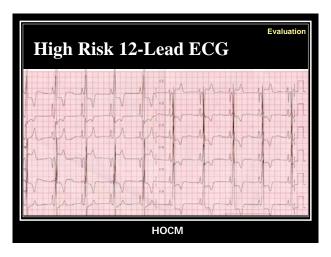


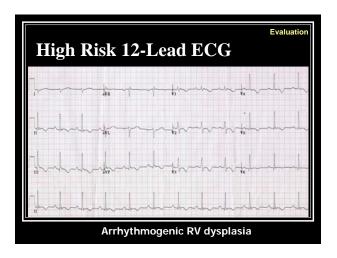


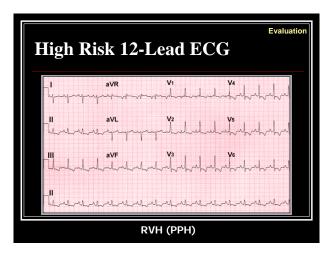


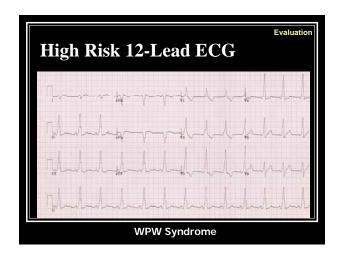


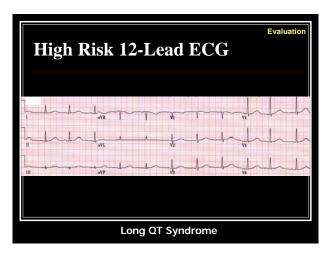


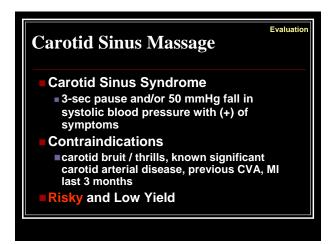


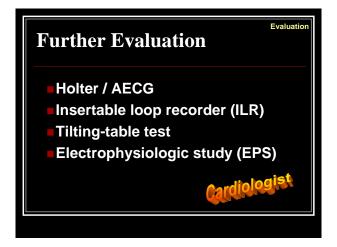


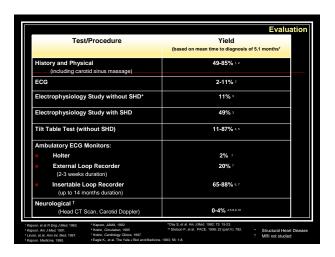


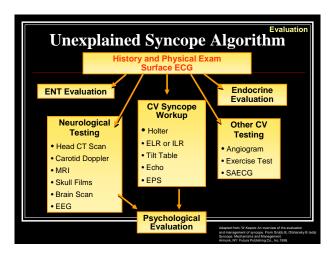


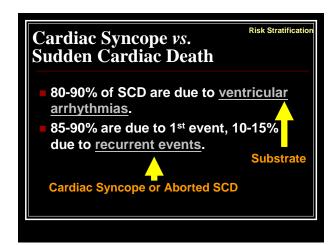


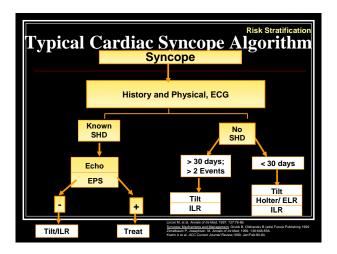


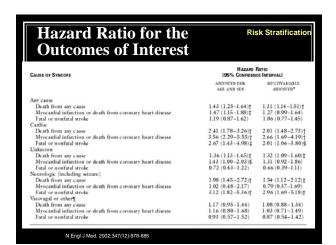








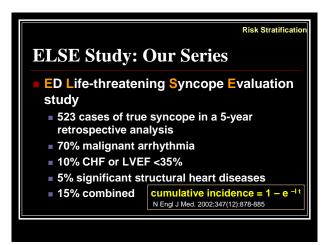




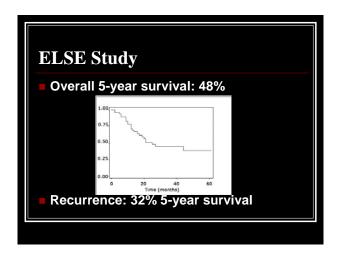


Risk of SCD in Cardiac Syncope

Individual
Depend upon underlying cardiac conditions
E.g.: Aortic stenosis: 3-year survival
Overall
Depend upon prevalence of individual cardiac syncope AND
Overall performance of EP / Cardiologist / Others



ELSE Study ED Life-threatening Syncope Evaluation study 98% abnormal ECG 56% high-risk ECG Evidence of AMI, structural abnormality or substrate of malignant arrhythmia 38% abnormal echocardiography 15% recurrence



ELSE Study: CLEARS For True Syncope Conscious change for more than 3 minutes LVEF<35% / CHF GCG suggesting cardiac arrhythmia or structural abnormality Adam-Stokes attack Recurrence within 6 hours Shock (Hypotension without Orthostatic Changes) Any one suggests admission; two or more (except recurrence within 6h) suggest significant mortality

