Adult Co-Morbidity Evaluation (ACE-27) UK Values

You do not have to record 27 items of data!

Identify the important medical comorbidities and grade severity using the index. Overall Comorbidity Score is defined according to the highest ranked single ailment, except in the case where two or more Grade 2 ailments occur in different organ systems. In this situation, the overall comorbidity score should be designated Grade 3.

Cogent comorbid ailment	Grade 3 Severe Decompensation	Grade 2 Moderate Decompensation	Grade 1 Mild Decompensation
Cardiovascular System			
Myocardial Infarct	• MI ≤ 6 months	• MI > 6 months ago	• Old MI by ECG only, age undetermined
Angina / Coronary Artery Disease	• Unstable angina	• Chronic exertional angina • Recent (≤ 6 months) Coronary Artery Bypass Graft (CABG) or Percutaneous Transluminal Coronary Angioplasty (PTCA) • Recent (≤ 6 months) coronary stent	• ECG or stress test evidence or catheterization evidence of coronary disease without symptoms • Angina pectoris not requiring hospitalization • CABG or PTCA (>6 mos.) • Coronary stent (>6 mos.)
Congestive Heart Failure (CHF)	• Hospitalized for CHF within past 6 months • Ejection fraction < 20 per cent	• Hospitalized for CHF >6 months prior • CHF with dyspnea which limits activities	• CHF with dyspnea which has responded to treatment • Exertional dyspnea • Paroxysmal Nocturnal Dyspnea (PND)
Arrhythmias	• Ventricular arrhythmia ≤ 6 months	• Ventricular arrhythmia > 6 months • Chronic atrial fibrillation or flutter • Pacemaker	• Sick Sinus Syndrome
Hypertension	• DBP>130 mm Hg • Severe malignant papilledema or other eye changes • Encephalopathy	• DBP 115-129 mm Hg • DBP 90-114 mm Hg while taking antihypertensive medications • Secondary cardiovascular symptoms: vertigo, epistaxis, headaches	• DBP 90-114 mm Hg while not taking antihypertensive medications • DBP <90 mm Hg while taking antihypertensive medications • Hypertension, not otherwise specified
Venous Disease	• Recent PE (≤ 6 mos.) • Use of venous filter for PE's	• DVT controlled with Coumadin or heparin • Old PE > 6 months	• Old DVT no longer treated with Coumadin or Heparin
Peripheral Arterial Disease	• Bypass or amputation for gangrene or arterial insufficiency < 6 months ago • Untreated thoracic or abdominal aneurysm (>6 cm)	• Bypass or amputation for gangrene or arterial insufficiency > 6 months ago • Chronic insufficiency	• Intermittent claudication • Untreated thoracic or abdominal aneurysm (< 6 cm) • s/p abdominal or thoracic aortic aneurysm repair
Respiratory System			
	• Marked pulmonary insufficiency • Restrictive Lung Disease or COPD with dyspnea at rest despite treatment • Chronic supplemental O2 • CO2 retention (pCO2 > 6.7 kPa) • Baseline pO2 < 6.7 kPa • FEV1 (< 50 per cent)	• Restrictive Lung Disease or COPD (chronic bronchitis, emphysema, or asthma) with dyspnea which limits activities • FEV1 (51 per cent-65 per cent)	• Restrictive Lung Disease or COPD (chronic bronchitis, emphysema, or asthma) with dyspnea which has responded to treatment • FEV1 (66 per cent-80 per cent)
Gastrointestinal System			
Hepatic	• Portal hypertension and/or esophageal bleeding ≤ 6 mos. (Encephalopathy, Ascites, Jaundice with Total Bilirubin > 34mmol/l)	• Chronic hepatitis, cirrhosis, portal hypertension with moderate symptoms "compensated hepatic failure"	• Chronic hepatitis or cirrhosis without portal hypertension • Acute hepatitis without cirrhosis • Chronic liver disease manifested on biopsy or persistently elevated bilirubin (>51mmol/l)
Stomach / Intestine	• Recent ulcers ≤ 6 months requiring ≥ 6 units of blood transfusion	• Ulcers requiring surgery or transfusion of < 6 units of blood	• Diagnosis of ulcers treated with meds • Chronic malabsorption syndrome • Inflammatory bowel disease (IBD) on meds or h/o with complications and/ or surgery
Pancreas	• Acute or chronic pancreatitis with major complications (phlegmon, abscess, or pseudocyst)	• Uncomplicated acute pancreatitis • Chronic pancreatitis with minor complications (malabsorption, impaired glucose tolerance, or GI bleeding)	• Chronic pancreatitis w/o complications

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Cogent comorbid ailment	Grade 3 Severe Decompensation	Grade 2 Moderate Decompensation	Grade 1 Mild Decompensation
Renal System			
End-stage renal disease	• Creatinine > 265 umol/l with multi-organ failure, shock, or sepsis • Acute dialysis	• Chronic Renal Insufficiency with creatinine > 265 umol/l • Chronic dialysis	• Chronic Renal Insufficiency with creatinine 177-265umol/l.
Endocrine System (Code the comorbid ailments with the (*) in both the Endocrine system and other organ systems if applicable)			
Diabetes Mellitus	• Hospitalization ≤ 6 months for DKA • Diabetes causing end-organ failure • retinopathy • neuropathy • nephropathy* • coronary disease* • peripheral arterial disease*	• IDDM without complications • Poorly controlled AODM	• AODM controlled by oral agents only
Neurological System			
Stroke	• Acute stroke with significant neurologic deficit	• Old stroke with neurologic residual	• Stroke with no residual • Past or recent TIA
Dementia	• Severe dementia requiring full support for activities of daily living	• Moderate dementia (not completely self-sufficient, needs supervising)	• Mild dementia (can take care of self)
Paralysis	• Paraplegia or hemiplegia requiring full support for activities of daily living	• Paraplegia or hemiplegia requiring wheelchair, able to do some self-care	• Paraplegia or hemiplegia, ambulatory and providing most of self-care
Neuromuscular	• MS, Parkinson's, Myasthenia Gravis, or other chronic neuromuscular disorder and requiring full support for activities of daily living	• MS, Parkinson's, Myasthenia Gravis, or other chronic neuromuscular disorder, but able to do some self-care	• MS, Parkinson's, Myasthenia Gravis, or other chronic neuromuscular disorder, but ambulatory and providing most of self-care
Psychiatric			
	• Recent suicidal attempt • Active schizophrenia	• Major depression or bipolar disorder uncontrolled • Schizophrenia controlled w/ meds	• Major depression or bipolar disorder controlled w/ medication
Rheumatologic (Incl. Rheumatoid Arthritis, Systemic Lupus, Mixed Connective Tissue Disorder, Polymyositis, Rheumatic Polymyositis)			
	• Connective Tissue Disorder with secondary end-organ failure (renal, cardiac, CNS)	• Connective Tissue Disorder on steroids or immunosuppressant medications	• Connective Tissue Disorder on NSAIDS or no treatment
Immunological System (AIDS should not be considered a co-morbidity for Kaposi's Sarcoma or Non-Hodgkin's Lymphoma)			
AIDS	• Fulminant AIDS w/KS, MAI, PCP (AIDS defining illness)	• HIV+ with h/o defining illness. CD4+ < 200/µL	• Asymptomatic HIV+ patient. • HIV+ w/o h/o AIDS defining illness. CD4+ > 200µL
Malignancy (Excluding Cutaneous Basal Cell Ca., Cutaneous SCCA, Carcinoma in-situ, and Intraepithelial Neoplasm)			
Solid Tumor including melanoma	• Uncontrolled cancer • Newly diagnosed but not yet treated • Metastatic solid tumor	• Any controlled solid tumor without documented metastases, but initially diagnosed and treated within the last 5 years	• Any controlled solid tumor without documented metastases, but initially diagnosed and treated > 5 years ago
Leukemia and Myeloma	• Relapse • Disease out of control	• 1st remission or new dx <1yr • Chronic suppressive therapy	• H/o leukemia or myeloma with last Rx > 1 yr prior
Lymphoma	• Relapse	• 1st remission or new dx <1yr • Chronic suppressive therapy	• H/o lymphoma w/ last Rx >1 yr prior
Substance Abuse (Must be accompanied by social, behavioral, or medical complications)			
Alcohol	• Delirium tremens	• Active alcohol abuse with social, behavioral, or medical complications	• H/o alcohol abuse but not presently drinking
Illicit Drugs	• Acute Withdrawal Syndrome	• Active substance abuse with social, behavioral, or medical complications	• H/o substance abuse but not presently using
Body Weight			
Obesity		• Morbid (ie., BMI>38)	

Overall co-morbidity score (circle one)				
0	1	2	3	9
None	Mild	Moderate	Severe	Unknown

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