

Patient Name: _____

Date of evaluation: _____

NRG HN004 Eligibility Calculator Worksheet

A resource to assist in the completion of the comogram.org eligibility calculator

General Information and Cisplatin Contraindications

Age:	Weight: lb / kg	Height: in / cm
Gender:	ECOG Performance Status:	Serum creatinine: mg/dL
Pre-existing peripheral neuropathy ≥ 1? <input type="checkbox"/> Yes <input type="checkbox"/> No	History of hearing loss*? <input type="checkbox"/> Yes <input type="checkbox"/> No	* Existing need of a hearing aid OR ≥ 25 decibel shift over 2 contiguous frequencies on a pretreatment hearing test

1. GCE Model Input

Primary site: <input type="checkbox"/> Larynx <input type="checkbox"/> Hypopharynx <input type="checkbox"/> Oral Cavity <input type="checkbox"/> Oropharynx <input type="checkbox"/> Unknown Primary	N Stage (AJCC 7th edition): <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	p16 status (local testing): <input type="checkbox"/> p16 positive <input type="checkbox"/> p16 negative <input type="checkbox"/> not tested
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2. G8 Model Input

Decline in food intake over past 3 months? <input type="checkbox"/> No decline <input type="checkbox"/> Moderate decline <input type="checkbox"/> Severe decline	Weight loss during last 3 months? <input type="checkbox"/> No weight loss <input type="checkbox"/> Between 1 and 3kg <input type="checkbox"/> > 3kg <input type="checkbox"/> Don't know	Mobility: <input type="checkbox"/> Goes out <input type="checkbox"/> Doesn't go out <input type="checkbox"/> Bed/chair bound
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Psychiatric health: <input type="checkbox"/> No psychiatric issues <input type="checkbox"/> Mild depression/dementia <input type="checkbox"/> Severe depression/dementia	Prescriptions per day: <input type="checkbox"/> ≤ 3 <input type="checkbox"/> > 3	Self-rating of health compared to others of same age? <input type="checkbox"/> Better <input type="checkbox"/> Same <input type="checkbox"/> Worse <input type="checkbox"/> Doesn't know
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3. Charlson Model Input

Condition	Criteria
<input type="checkbox"/> Myocardial infarction	Myocardial infarction includes patients with one or more definite or probable myocardial infarction. These patients should have been hospitalized for chest pain or an equivalent clinical event and have had electrocardiographic and/ or enzyme changes. Patients with electrocardiographic changes alone who have no clinical history are not designated as having had an infarction.
<input type="checkbox"/> Heart failure	Congestive heart failure includes patients who have had exertional or paroxysmal nocturnal dyspnea and who have responded symptomatically (or on physical examination) to digitalis, diuretics, or afterload reducing agents. It does not include patients who are on one of those medications but who have had no response and no evidence of improvement of physical signs with treatment.
<input type="checkbox"/> Peripheral vascular disease	Peripheral vascular includes patients with intermittent claudication or those who had a bypass for arterial insufficiency, those with gangrene or acute arterial insufficiency, and those with a treated or untreated thoracic or abdominal aneurysm (6 cm or more).
<input type="checkbox"/> CVA or TIA	Cerebrovascular disease includes patients with a history of a cerebrovascular accident with minor or no residua, and patients who have had transient ischemic attacks. If the CVA resulted in hemiplegia, code only hemiplegia.
<input type="checkbox"/> Dementia	Dementia includes patients with moderate to severe chronic cognitive deficit resulting in impaired function from any cause.
<input type="checkbox"/> Chronic Lung Disease	Pulmonary disease includes patients with asthma, chronic bronchitis, emphysema, and other chronic lung disease who have ongoing symptoms such as dyspnea or cough, with mild or moderate activity. This includes patients who are dyspneic with slight activity, with or without treatment and those who are dyspneic with moderate activity despite treatment, as well

	as patients who are dyspneic at rest, despite treatment, those who require constant oxygen, those with CO ₂ retention and those with a baseline PO ₂ below 50 torr.
<input type="checkbox"/> Connective Tissue Disease	Rheumatologic disease includes patients with systemic lupus erythematosus, polymyositis, mixed connective tissue disease, rheumatoid arthritis, polymyositis, polymyalgia rheumatica, vasculitis, sarcoidosis, Sjogrens syndrome or any other systemic vasculitis.
<input type="checkbox"/> Ulcer Disease	Peptic ulcer disease includes patients who have required treatment for ulcer disease, including those who have bled from ulcers.
<input type="checkbox"/> Mild Liver Disease	Mild liver disease consists of chronic hepatitis (B or C) or cirrhosis without portal hypertension.
<input type="checkbox"/> Moderate to Severe Liver Disease	Moderate liver disease consists of cirrhosis with portal hypertension, but without bleeding. Severe liver disease consists of patients with ascites, chronic jaundice, portal hypertension or a history of variceal bleeding or those who have had liver transplant.
<input type="checkbox"/> Diabetes	Diabetes includes all patients with diabetes treated with insulin or oral hypoglycemic, but not diet alone. Diabetes during pregnancy alone is not counted.
<input type="checkbox"/> DM with end organ damage	This includes patients with retinopathy, neuropathy, or nephropathy attributable to diabetes.
<input type="checkbox"/> Hemiplegia	This includes patients with a hemiplegia or paraplegia, whether it occurred as a result of a cerebrovascular accident or other condition.
<input type="checkbox"/> Moderate to Severe Renal Disease	Moderate renal insufficiency includes patients with a serum creatinine >3 mg/dl. Severe renal disease includes patients on dialysis, those who had a transplant, and those with uremia.
<input type="checkbox"/> AIDS or HIV	Acquired immune deficiency syndrome includes patients with definite or probable AIDS, i.e. AIDS related complex, and those who are HIV positive and asymptomatic.

4. CARG Model Input

Anemia (Hgb <11 g/dL)? <input type="checkbox"/> Yes <input type="checkbox"/> No	Any fall in the past 6 months? <input type="checkbox"/> Yes <input type="checkbox"/> No	Hearing, fair or worse? <input type="checkbox"/> Yes <input type="checkbox"/> No
Limited in walking 1 block? <input type="checkbox"/> Yes <input type="checkbox"/> No	Inability to take medications independently? <input type="checkbox"/> Yes <input type="checkbox"/> No	Decreased socialization because of health? <input type="checkbox"/> Yes <input type="checkbox"/> No

5. ACE-27 Input

****Do not include current head and neck malignancy in ACE-27 Scoring.**

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

Cogent comorbid ailment	Grade 3 Severe Decompensation	Grade 2 Moderate Decompensation	Grade 1 Mild Decompensation
Renal System			
End-stage renal disease	<input type="checkbox"/> Creatinine > 3 mg% with multi-organ failure, shock, or sepsis <input type="checkbox"/> Acute dialysis	<input type="checkbox"/> Chronic Renal Insufficiency with creatinine >3 mg% <input type="checkbox"/> Chronic dialysis	<input type="checkbox"/> Chronic Renal Insufficiency with creatinine 2-3 mg%.
Endocrine System (Code the comorbid ailments with the (*) in both the Endocrine system and other organ systems if applicable)			
Diabetes Mellitus	<input type="checkbox"/> Hospitalization ≤ 6 months for DKA <input type="checkbox"/> Diabetes causing end-organ failure <ul style="list-style-type: none"> <input type="checkbox"/> retinopathy <input type="checkbox"/> neuropathy <input type="checkbox"/> nephropathy* <input type="checkbox"/> coronary disease* <input type="checkbox"/> peripheral arterial disease* 	<input type="checkbox"/> IDDM without complications <input type="checkbox"/> Poorly controlled AODM with oral agents	<input type="checkbox"/> AODM controlled by oral agents only
Neurological System			
Stroke	<input type="checkbox"/> Acute stroke with significant neurologic deficit	<input type="checkbox"/> Old stroke with neurologic residual	<input type="checkbox"/> Stroke with no residual <input type="checkbox"/> Past or recent TIA
Dementia	<input type="checkbox"/> Severe dementia requiring full support for activities of daily living	<input type="checkbox"/> Moderate dementia (not completely self-sufficient, needs	<input type="checkbox"/> Mild dementia (can take care of self)
Paralysis	<input type="checkbox"/> Paraplegia or hemiplegia requiring full support for activities of daily living	<input type="checkbox"/> Paraplegia or hemiplegia requiring wheelchair, able to do some self care	<input type="checkbox"/> Paraplegia or hemiplegia, ambulatory and providing most of self care
Neuromuscular	<input type="checkbox"/> MS, Parkinson's, Myasthenia Gravis, or other chronic neuromuscular disorder and requiring full support for activities of daily living	<input type="checkbox"/> MS, Parkinson's, Myasthenia Gravis, or other chronic neuromuscular disorder, but able to do some self care	<input type="checkbox"/> MS, Parkinson's, Myasthenia Gravis, or other chronic neuromuscular disorder, but ambulatory and providing most of self care
Psychiatric			
	<input type="checkbox"/> Recent suicidal attempt <input type="checkbox"/> Active schizophrenia	<input type="checkbox"/> Depression or bipolar disorder uncontrolled <input type="checkbox"/> Schizophrenia controlled w/ meds	<input type="checkbox"/> Depression or bipolar disorder controlled w/ medication
Rheumatologic (Incl. Rheumatoid Arthritis, Systemic Lupus, Mixed Connective Tissue Disorder, Polymyositis, Rheumatic Polymyositis)			
	<input type="checkbox"/> Connective Tissue Disorder with secondary end-organ failure (renal, cardiac, CNS)	<input type="checkbox"/> Connective Tissue Disorder on steroids or immunosuppressant	<input type="checkbox"/> Connective Tissue Disorder on NSAIDS or no treatment
Immunological System (AIDS should not be considered a comorbidity for Kaposi's Sarcoma or Non-Hodgkin's Lymphoma)			
AIDS	<input type="checkbox"/> Fulminant AIDS w/KS, MAI, PCP (AIDS defining illness)	<input type="checkbox"/> HIV+ with h/o defining illness. CD4 ⁺ < 200/μL	<input type="checkbox"/> Asymptomatic HIV+ patient. <input type="checkbox"/> HIV ⁺ w/o h/o AIDS defining illness. CD4 ⁺ > 200/μL
Malignancy (Excluding Cutaneous Basal Cell Ca., Cutaneous SCCA, Carcinoma in-situ, and Intraepithelial Neoplasm)			
Solid Tumor including melanoma	<input type="checkbox"/> Uncontrolled cancer <input type="checkbox"/> Newly diagnosed but not yet treated <input type="checkbox"/> Metastatic solid tumor	<input type="checkbox"/> Any controlled solid tumor without documented metastases, but initially diagnosed and treated within the last 5 years	<input type="checkbox"/> Any controlled solid tumor without documented metastases, but initially diagnosed and treated > 5 years ago
Leukemia and Myeloma	<input type="checkbox"/> Relapse <input type="checkbox"/> Disease out of control	<input type="checkbox"/> 1 st remission or new dx <1yr <input type="checkbox"/> Chronic suppressive therapy	<input type="checkbox"/> H/o leukemia or myeloma with last Rx > 1 yr prior
Lymphoma	<input type="checkbox"/> Relapse	<input type="checkbox"/> 1 st remission or new dx <1yr <input type="checkbox"/> Chronic suppressive therapy	<input type="checkbox"/> H/o lymphoma w/ last Rx >1 yr prior
Substance Abuse (Must be accompanied by social, behavioral, or medical complications)			
Alcohol	<input type="checkbox"/> Delirium tremens	<input type="checkbox"/> Active alcohol abuse with social, behavioral, or medical complications	<input type="checkbox"/> H/o alcohol abuse but not presently drinking
Illicit Drugs	<input type="checkbox"/> Acute Withdrawal Syndrome	<input type="checkbox"/> Active substance abuse with social, behavioral, or medical complications	<input type="checkbox"/> H/o substance abuse but not presently using
Body Weight			
Obesity		<input type="checkbox"/> Morbid (i.e., BMI ≥ 38)	

OVERALL COMORBIDITY SCORE (Circle one.) ☐ 1 2 3 9
 None Mild Moderate Severe Unknown

****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.

6. CIRS-G Model Input

Heart Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Remote MI (> five years ago) / occasional angina treated with prn meds.
- ☐ **Level 2:** CHF compensated with meds / daily anti-angine meds / left ventricular hypertrophy / atrial fibrillation / bundle branch block / daily antiarrhythmic drugs.
- ☐ **Level 3:** Previous MI within five years / abnormal stress test / status post percutaneous coronary angioplasty or coronary artery bypass graft surgery.
- ☐ **Level 4:** Marked activity restriction secondary to cardiac status (i.e., unstable angina or intractable congestive heart failure.)

Additional Considerations:

The bulk of heart disease is encompassed by atherosclerotic heart disease, arrhythmias, congestive heart failure and valvular disease. Within each of these categories the 1-4 rating of severity must be judged.

Atherosclerotic Heart Disease - Mild through extremely severe stages of atherosclerotic heart disease are reflected in the above levels as outlined.

Congestive Heart Failure - Requiring daily medications for CHF merits at least a '2', intractable CHF a '4' and an intermediate condition a '3'.

Arrhythmias - EKG findings of atrial fibrillation, right or left bundle branch block, or the necessity of daily antiarrhythmic drugs merits '2' at least, a bifascicular block a '3.' In patients who require a pacemaker, placement for an incidental finding of periods of bradycardia during a holder monitor would score a '2,' whereas placement of a pacemaker for cardiogenic syncope would merit a '3.'

Valvular Disease - Detectable murmurs that indicate valvular pathology without activity restriction would merit a '1,' more severely compromising valvular disease would require a progressively higher rating.

Pericardial Pathology - A pericardial effusion or pericarditis would merit at least a '3'.

Vascular Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Hypertension compensated with salt restriction and weight loss/serum cholesterol > 200 mg/dl. Serum cholesterol above normal*
- ☐ **Level 2:** Daily antihypertensive meds/one symptom of atherosclerotic disease (angina, claudication, bruit, amaurosis fugax, absent pedal pulses) / aortic aneurysm < 4 cm.
- ☐ **Level 3:** Two or more symptoms of atherosclerosis.
- ☐ **Level 4:** Previous surgery for vascular problem/aortic aneurysm > 4 cm.

Additional Considerations:

Hypertension - Defined as a persistently elevated diastolic pressure > 90 mmHg. When managed drug free - '1,' requiring single daily antihypertensive - '2,' requiring two or more drugs for control or with evidence of left ventricular hypertrophy - '3.'

Peripheral Atherosclerotic Disease Heart Failure - Evidence of at least one physical

symptom or imaging evidence (e.g., angiogram) merits a '2,' two or more symptoms a '3' and if bypass graft surgery was required or is currently indicated a '4' is merited.

Intercranial vascular event - For consistency, CNS vascular events are listed under neurology

Hyperlipidemia In the original CIRS-G, cholesterol >200mg was rated 1. Given recent literature, we changed to above normal. We suggest a similar rating for triglycerides

Hematopoietic Score

- ☐ **Level 0:** No problem
- ☐ **Level 1:** Hemoglobin: females > 10 < 12, males > 12 < 14 / anemia of chronic disease.
- ☐ **Level 2:** Hemoglobin: females > 8 < 10, males > 10 < 12 / anemia secondary to iron, vitamin B12, or folate deficiency or chronic renal failure / total white blood cell count > 2000 by < 4000.
- ☐ **Level 3:** Hemoglobin: females < 8, males < 10 / total WBC < 2000.
- ☐ **Level 4:** Any leukemia, any lymphoma.

Additional Considerations:

Malignancy - Any hematological malignancy would merit a '4.'

Anemia - Sex specific hemoglobin cut-offs are provided above. An identifiable etiology other than chronic disease merits a '2' or higher if the anemia is more severe.

Leucopenia - Total WBC cut-offs are provided.

Respiratory Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Recurrent episodes of acute bronchitis/currently treated asthma with prn inhalers / cigarette smoker > 10 but < 20 pack years.
- ☐ **Level 2:** X-ray evidence of COPD / requires daily theophylline or inhalers / treated for pneumonia two or more times in the past five years / smoked 20-40 pack years.
- ☐ **Level 3:** Limited ambulation secondary to limited respiratory capacity / requires oral steroids for lung disease / smoked > 40 pack years.
- ☐ **Level 4:** Requires supplemental Oxygen / at least one episode of respiratory failure requiring assisted ventilation / any lung cancer.

Additional Considerations:

Smoking Status - Smoking is a significant respiratory and cardiovascular risk and is rated according to lifetime pack years (the number of packs smoked per day multiplied by the number of years smoked in their lifetime). Ex-smokers, e.g., those with 25 pack-years but who have been smoke-free for the most recent 20 years would merit a lower rating than a 25 pack-year patient who is currently smoking (in this case a '1' instead of a '2')

Chronic Bronchitis, Asthma, and Emphysema - These conditions are rated '1' if only prn inhalers are required, '2' if daily theophylline or inhalers are required, '3' if steroids are required and '4' if supplemental oxygen is required. More objective evidence, e.g. blood gases would help to sharpen the appropriate level.

Pneumonia - As acute pneumonia treated as an outpatient would merit a '3,' and if hospitalization was required a '4.' Two or more episodes of pneumonia in the past five years would permit a '2.'

Eyes, Ears, Nose, Throat Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Corrected vision 20/40 / chronic sinusitis / mild hearing loss.
- ☐ **Level 2:** Corrected vision 20/60 or reads newsprint with difficulty / requires hearing aid / chronic sinonasal complaints requiring medication / requires medication for vertigo.
- ☐ **Level 3:** Partially blind (requires an escort to venture out) / unable to read newsprint / conversational hearing still impaired with hearing aid.
- ☐ **Level 4:** Functional blindness / functional deafness / laryngectomy / requires surgical intervention for vertigo.

Additional Considerations:

Impaired vision - complexity of this category, the developers decided to score according to severity of the sensory disability and avoid rating each type of pathology. Therefore, whether cataracts, glaucoma, macular degeneration or other pathology is underlying the impaired vision, it is rated as follows: if they complain of decreased vision despite corrective lenses but have no restriction in activities and can read newsprint rate it as a '1,' if they have difficulty reading newsprint or driving due to vision - '2,' if they cannot read newsprint or require assistance from a sighted person - '3,' and if they are 'functionally blind' i.e., unable to read, recognize a familiar face from across the room or negotiate a novel environment alone, a '4' is merited. **Note:** The term 'functional' refers to ability to function and does not imply psychogenic origin.

Vertigo, Lightheadedness and Dizziness - These complaints are very frequent in the elderly and would merit a '2' if medications are required for control and a '4' if surgical intervention is required.

Other conditions - Of the myriad of other EENT conditions, rating should be based on an estimate of the level of disability or impairment e.g., laryngectomy merits a '4' as it severely limits communication, etc.

Upper GI Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Hiatal hernia / heartburn complaints treated with prn meds.
- ☐ **Level 2:** Needs daily H2 blocker or antacid / documented gastric or duodenal ulcer within five years.
- ☐ **Level 3:** Active ulcer / guaiac positive stools / any swallowing disorder or dysphagia.
- ☐ **Level 4:** Gastric cancer / history of perforated ulcer / melena or hematochezia from UGI source.

Additional Considerations:

Ulcers - Symptoms of heartburn, and the diagnoses of hiatal hernia, gastritis and gastric or duodenal ulcer can be seen on a continuum of severity, i.e., mild symptoms requiring prn antacids merit a '1,' daily antacid regimens - '2,' an active ulcer or in combination with guaiac positive stools - '3,' and a history of perforated ulcer or heavy bleeding from a UGI source a '4.'

Cancer - Any UGI malignancy generally merits a '4.' (See 'Rating Malignancies')

Lower GI Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Constipation managed with prn meds / active hemorrhoids / status post hernia repair.
- ☐ **Level 2:** Requires daily bulk laxatives or stool softeners / diverticulosis / untreated hernia.
- ☐ **Level 3:** Bowel impaction in the past year / daily use of stimulant laxatives or enemas.
- ☐ **Level 4:** Hematochezia from lower GI source, currently impacted, diverticulitis flare up / status post bowel obstruction / bowel carcinoma.

Additional Considerations:

Constipation - Constipation is rated by severity most easily by what type and how frequent laxatives are required or by a history of impaction as above.

Bleeding and Cancer - Any active bleeding generally merits a '4' as does the diagnosis of cancer (see 'Rating Malignancies').

Diverticular Disease - A diagnosis of diverticulosis or a history of diverticulitis in the past merits a '2,' an active flare-up of diverticulitis merits a '4' and an intermediate condition a '3.'

Liver Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** History of hepatitis > five years ago / cholecystectomy.
- ☐ **Level 2:** Mildly elevated LFT's (up to 150% of normal) / hepatitis within five years / cholelithiasis / daily or heavy alcohol use within five years.
- ☐ **Level 3:** Elevated bilirubin (total > 2) / marked elevation of LFT's (> 150% of normal) / requires supplemental pancreatic enzymes for digestion.
- ☐ **Level 4:** Biliary obstruction / any biliary tree carcinoma / cholecystitis / pancreatitis / active hepatitis.

Additional Considerations: As the hepato-biliary systems is difficult to assess through the physical exam, lab results must be used.

Gall Bladder Disease - A remote cholecystectomy merits a '1,' cholelithiasis or gall stones visualized with imaging techniques merits a '2,' and acute cholecystitis a '4.'

Hepatitis - A history of hepatitis within five years that is inactive at present merits a '2,' active hepatitis a '4.'

Pancreatic Disease - Pancreatic insufficiency requiring supplemental enzymes or chronic pancreatitis merits a '3,' acute pancreatitis merits a '4.'

Carcinoma - Any hepato-biliary tree carcinoma generally merits a '4' (see 'Rating Malignancies')

Renal Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** s/p kidney stone passage within the past 10 years or asymptomatic kidney stone / pyelonephritis within five years.
- ☐ **Level 2:** Serum creatinine > 1.5 but < 3.0 without diuretic or antihypertensive medication.
- ☐ **Level 3:** Serum creatinine > 3.0 or serum creatinine > 1.5 in conjunction with diuretic, antihypertensive, or bicarbonate therapy / current pyelonephritis.
- ☐ **Level 4:** Requires dialysis / renal carcinoma.

Additional Considerations:

Renal function must also rely on laboratory tests reflected in the above cut-off values. Some patients are asymptomatic with an elevated creatinine and thus differentiating a '2' from a '3' will depend on whether adjunctive medications are required. Either peritoneal or hemodialysis would merit a '4' as would any end stage renal state or renal carcinoma. Specific glomerular disease or nephrotic syndromes would merit a '2' or '3' depending on the treatment required.

Genitourinary Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Stress incontinence / hysterectomy / BPH without urinary symptoms.
- ☐ **Level 2:** Abnormal pap smear / frequent UTI's (three or more in the past year) / urinary incontinence (non stress) in females / BPH with hesitancy or frequency / current UTI / any urinary diversion procedure / status post TURP.
- ☐ **Level 3:** Prostatic cancer in situ (i.e., found incidentally during TURP) / vaginal bleeding / cervical carcinoma in situ / hematuria / status post urosepsis in past year.
- ☐ **Level 4:** Acute urinary retention / any GU carcinoma except as above.

Additional Considerations:

This category is long on description as sex-specific pathology must be considered separately.

Urinary incontinence- This problem is more common in elderly women and merits a '1' if it occurs only occasionally or in response to a cough, etc. (stress incontinence). Daily incontinence requiring adult diapers or regular nighttime incontinence would merit a '3.'

Vaginal bleeding and abnormal PAP smears - Vaginal bleeding of significant persistent nature merits a '3,' a previous hysterectomy for bleeding or fibroid nonmalignant tumors merits a '1' (as the bleeding has been cured). One abnormal PAP smear can result from chronic vaginitis and is usually repeated, a definite abnormal smear merits a '2,' cervical carcinoma in situ merits a '3,' and any GU carcinoma merits a '4.'

Urinary Infections - Recurrent UTI's (three or more in the past year) merits a '1' in women and at least a '3' in men. A current UTI merits a '2,' a history of urosepsis in the past year a '3' and a current urosepsis a '4.'

Prostate problems - An enlarged prostate on physical exam merits a '1,' with urinary hesitancy or frequency or status post Trans Urethral Prostatectomy (TURP) merits a '2,' an incidental finding of carcinoma in situ found during a TURP merits a '3,' and prostate carcinoma or bladder outlet obstruction generally merits a '4' (see 'Rating Malignancies')

Urinary Diversion Procedure - Patients with ileal loops, indwelling catheters or nephrostomies would merit at least a '2.'

Musculoskeletal Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Uses prn meds for arthritis or has mildly limited ADL's from joint pathology / excised non-melanotic skin cancers / skin infections requiring antibiotics within a year.
- ☐ **Level 2:** Daily anti-arthritis meds or use of assistive devices or moderate limitation in ADL's / daily meds for chronic skin conditions / melanoma without metastasis.
- ☐ **Level 3:** Severely impaired ADL's secondary to arthritis / requires steroids for arthritis condition / vertebral compression fractures from osteoporosis.

- ☐ **Level 4:** Wheelchair bound / severe joint deformity or severely impaired usage / osteomyelitis / any bone or muscle carcinoma / metastatic melanoma.

Additional Considerations:

Skin cancers - Malignant melanoma must be differentiated from other localized skin cancers that merit a '1.' A melanoma diagnosis merits a '2,' with metastasis, a '4.'

Arthritis - Arthritis is most simply rated according to resulting disability or level of treatment required as outlined above.

Osteoporosis, Osteomyelitis, and Cancer - Osteoporosis with compression fractures a '3.' Osteomyelitis requires intensive inpatient treatment generally and merits a '4.' A muscle or joint cancer generally merits a '4' (see 'Rating Malignancies').

Orthopedic Surgery - Since hip or knee replacements are usually performed for severe arthritis we suggest a rating of 3

Neurologic Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Frequent headaches requiring prn meds without interference with daily activities / a history of TIA phenomena (at least one).
- ☐ **Level 2:** Requires daily meds for chronic headaches or headaches that regularly interfere with daily activities / S/P CVA without significant residual / neurodegenerative disease (Parkinson's, MS, ALS, etc.) - mild severity.
- ☐ **Level 3:** S/P CVA with mild residual dysfunction / any CNS neurological procedure / neurodegenerative disease - moderate severity.
- ☐ **Level 4:** S/P CVA with residual functional hemiparesis or aphasia / neurodegenerative disease - severe.

Additional Considerations:

Headaches - Frequent headaches requiring prn medication merits a '1,' requiring daily anti-headache prophylaxis or intermittent severe headaches (e.g., migraines that require bed rest) merits a '2.'

TIA's and Strokes - One transient ischemic attack (TIA) merits a '2.' Cerebrovascular accidents (CVA) are rated as above according to the level of residual deficit or disability, for example, a patient who had hemiparesis and speech slurring but regained articulation and walks with only a slight remaining gait disturbance would be scored a '3.'

Vertigo, Dizziness and Lightheadedness - For consistency these are grouped under ear, nose and throat although this category overlaps with neurology.

Neurodegenerative Disease - Parkinson's disease, Multiple Sclerosis, and Amyotrophic Lateral Sclerosis (ALS) are three exams of a wide variety of degenerative neurological diseases. These illnesses are rated according to the severity of impairment at the time of rating, beginning at the '2' level. An example of a '3' would be a parkinsonian patient who shows residual bradykinesia and shuffling gait despite anti-parkinsons medication, an example of a '4' would be a patient unable to care for their own basic needs bathing, toileting, etc.) because of the severe progression of their illness.

Dementia (see 'Psychiatric Conditions') - Although dementia can be considered a neurological as well as a psychiatric condition, for simplicity it should be grouped under 'psychiatric conditions' as its effect on function is primarily in this realm. For arbitrary clarity,

Alzheimer's disease should be listed only under psych. If the dementia stems from multi-infarct dementia or other neurological condition with concomitant neurological signs or symptoms, both 'neurologic' and 'psychiatric' categories should be endorsed at the appropriate level for severity.

Endo/Metabolic/Breast Score

- ☐ **Level 0:** No problem.
- ☐ **Level 1:** Diabetes mellitus compensated with diet / obesity: BMI > 30*/requires thyroid hormone replacement.
- ☐ **Level 2:** Diabetes mellitus requiring insulin or oral agents / fibrocystic breast disease.
- ☐ **Level 3:** Any electrolyte disturbance requiring hospital treatment / morbid obesity BMI > 45*.
- ☐ **Level 4:** Brittle or poorly controlled diabetes mellitus or diabetic coma in the past year / requires adrenal hormone replacement / adrenal, thyroid, or breast carcinoma.

Additional Considerations:

Diabetes Mellitus - Recognized diabetes mellitus controlled with diet merits a '1,' when insulin or oral agents are required, a '2' is merited; brittle or poorly controlled diabetes or a history of diabetic ketoacidosis or nonketotic hyperosmolar coma in the past year merits a '4,' and an intermediate level of severity e.g., family well controlled blood sugars in the 300 mg/dl range with some retinopathy or peripheral neuropathy would merit a '3.'

Hormone replacement / Electrolyte disturbance - Thyroid replacement in the elderly is common and should be rated a '1' if otherwise uncomplicated. Potassium supplementation for patients taking diuretics is routine and would not merit a rating unless the serum potassium level was severely low. Abnormalities of other electrolytes can be serious conditions, for simplicity, we have designated those conditions that require hospital treatment to merit at least a '3.' Adrenal hormone replacement merits a '3.' Other endocrine conditions require judgment of relative severity according to the level of morbidity caused by the condition.

Obesity - Obesity is considered a risk for a variety of conditions and is rated with guidelines of relative severity using the Body Mass Index (BMI) as the current standard for measuring weight for a given height. Note the sex specific charts or nomograms provided in the index of this manual.

Breast Pathology - For lack of a better place, breast problems were included with endocrine / metabolic even though the breast is technically an exocrine gland. Fibrocystic breast disease merits a '2,' breast cancer generally merits a '4' (see 'Rating Malignancies').

Psychiatric Score

- ☐ **Level 0:** No psychiatric problem or history thereof.
- ☐ **Level 1:** Minor psychiatric condition or history thereof. Specifically: previous outpatient mental health treatment during a crisis / outpatient treatment for depression > 10 years ago / current usage of minor tranquilizers for episodic anxiety (occasional usage) / mild early dementia (MMS > 25 < 28).
- ☐ **Level 2:** A history of Major Depression (by DSM III-R criteria within the past 10 years (treated or untreated) / mild dementia (MMS 20-25) / any previous psychiatric hospitalization / any psychotic episode / substance abuse history > 10 years ago.

- ☐ **Level 3:** Currently meets DSM III-R criteria for major depression or two or more episodes of major depression in the past 10 years / moderate dementia (MMS 15-20) / current usage of daily antianxiety medication / currently meets DSM III-R criteria for substance abuse or dependence / requires daily antipsychotic medication.
- ☐ **Level 4:** Current mental illness requiring psychiatric hospitalization, institutionalization, or intensive outpatient management, e.g., patients with severe or suicidal depression, acute psychosis or psychotic decompensation, severe agitation from dementia, severe substance abuse etc. / Severe dementia (MMS < 15).

Additional Considerations:

Dementia and Depression - For the elderly, dementia and depression are the most common psychiatric diagnoses and are a focus of the rating categories according to the severity and time period since the last episode. Common sense dictates that those patients with more severe illness or more frequent episodes or who require more intensive intervention merit a higher severity rating.

Personality Disorders - Patients with Personality Disorders are defined broadly as having chronic difficulties maintaining satisfying interpersonal relationships. These disorders may produce severe impairments in some patients and should be rated accordingly; e.g., suicidal potential requires inquiry into the lethality and intent of any previous suicide attempts and may merit a '3' or '4.' Psychiatric consultation is recommended for the inexperienced rater.

Delirium - Delirium (see DMS III-R definition) is assumed to have an underlying organic etiology and should be scored both according to the level of psychiatric impairment and in the appropriate medical category, e.g., delirium secondary to hyponatremia requiring hospitalization would merit a '4' for 'Psyche' and at least a '3' for 'Metabolic' (depending on severity).

Evaluator signature: _____ **Date:** _____