## The Hematopoietic Cell Transplant-Co-morbidity Index (HCT-CI)

The following worksheet can be used to calculate the HCT-CI as reported by Sorror et al., Blood, 2005 Oct 15; 106(8): 2912-2919. Although the HCT-CI score is not reported on the CIBMTR data collection forms, the HCT-CI worksheet may assist centers in determining which diseases or conditions to report in the comorbid condition sections of the Pre-TED Form 2400 and the Baseline Form 2000.

## **Directions for completing the HCT-CI worksheet:**

- 1) If the recipient has a documented history of any of the conditions listed in the "definition/compartments" column, check the corresponding "yes" box.
- 2) If any box within a category is checked "yes", then the number in the "score" column should be counted.
- 3) The total of all the boxes with a score represents the final score of the index.

Assign scores appropriately if the recipient has any of these co-morbidities  UPNCIBMTR Center #CRIDDate		orbidities 	
Co-morbidity 1. Arrhythmia	<u>Definition/compartments</u> -Atrial fibrillation* -Atrial flutter*	Yes	<u>Score</u>
	-Atrial nutter -Sick sinus syndrome* -Ventricular arrhythmia*		1
2. Cardiovascular	-Coronary artery disease* -Congestive heart failure* -Myocardial infarction* -Ejection fraction ≤50%§		1
3. Inflammatory bowel disease	-Crohn's disease* -Ulcerative colitis*		1
4. Diabetes	-Treated with insulin or oral hypoglycemic drugs§	<b></b>	1
5. Cerebro-vascular	-Transient ischemic attacks* -Cerebro-vascular ischemic or hemorrhagic stroke*		1
6. Depression/anxiety	-Requiring psychological consultation and/or specific treatments§	<b></b>	1
7. Hepatic - mild	-Chronic hepatitis§ -Bilirubin >ULN- 1.5 X ULN§ -AST/ALT >ULN- 2.5 X ULN§		1
8. Obesity	-Body mass index >35 (adults)§ -Body mass index-for-age ≥95% percentile (children)§		1
9. Infection	-Requiring anti-microbial treatment before, during, and after the start of conditioning§	·	1
10. Rheumatologic	-Requiring Treatment*	<b></b>	2
11. Peptic ulcer	-Confirmed by endoscopy and requiring treatment*	<b></b>	2
12. Renal	-Serum creatinine >2mg/dl (or >177µmol/L)§ -On dialysis§ -Prior renal transplantation*		2
13. Pulmonary - Moderate	-DLco corrected for hemoglobin 66-80% of predicted§ -FEV1 66-80% of predicted§ -Dyspnea on slight activity§		2
14. Pulmonary - Severe	-DLco corrected for hemoglobin ≤ 65% of predicted§ -FEV1 ≤ 65% of predicted§ -Dyspnea at rest or requiring oxygen therapy§		3
15. Heart valve disease	-Except asymptomatic mitral valve prolapse§	<b></b>	3
16. Prior solid malignancy	-Treated with surgery, chemotherapy, and/or radiotherapy, excluding non-melanoma skin cancer*		3
17.Hepatic - moderate/severe	-Liver cirrhosis§ -Bilirubin > 1.5 X ULN§ -AST/ALT > 2.5 X ULN§		3
*Diagnosed at any time in the patient's p	past history ssessment - ULN indicates upper limit of normal; DLco, diffusion capacity of car	Total Score	

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