

Annexure A Medically-Necessary Time Sensitive (MeNTS) Score for prioritising surgical procedures

Patient Name: _____

Procedure: _____

1. Procedure Factors	1	2	3	4	5
Operating Room Time (min)	< 30	30-60	60-120	120-180	≥ 180
LOS Anticipated	Outpatient	<23 hrs	24-48 hrs	≤3 d	> 4 d
Post-op ICU need (%)	Very unlikely	<5	5-10	10-25	≥25
Anticipated blood loss (ml)	< 100	100-250	250-500	500-750	≥ 750
Surgical team size	1	2	3	4	> 4
Intubation probability (%)	≤ 1	1-5	5-10	10-25	≥ 25
Surgical Site	None of the following	Abdominopelvic minimal invasive surgery	Abdominopelvic open surgery, infraumbilical	Abdominopelvic open surgery, supraumbilical	Otolaryngology Head & neck Upper GI Thoracic

Procedure Score (7-35)

2. Disease Factors	1	2	3	4	5
Operating Room Time (min)	None available	Available, < 40% as effective as surgery	Available, 40-60% as effective as surgery	Available, 60-95% as effective as surgery	Available, equally effective
LOS Anticipated	Significantly worse/not applicable	Somewhat worse	Equivalent	Somewhat better	Significantly better
Post-op ICU need (%)	Significantly worse	Worse	Moderately worse	Slightly worse	No worse
Anticipated blood loss (ml)	Significantly worse	Worse	Moderately worse	Slightly worse	No worse
Surgical team size	Significantly worse	Worse	Moderately worse	Slightly worse	No worse
Intubation probability (%)	Significantly worse	Worse	Moderately worse	Slightly worse	No worse

Disease Score (6-30)

3. Patient Factors

	1	2	3	4	5
Age (Y)	< 20	20-40	41-50	51-65	> 65
Lung disease (asthma, COPD, CF)	None	-	-	Minimal (rare inhaler)	>minimal
Obstructive sleep apnea	Not present	-	-	Mild/Moderate (no CPAP)	On CPAP
CV disease (HT, CHF, CAD)	None	Minimal (no meds)	Mild (≤ 1 med)	Moderate (2 meds)	Severe (≥ 3 meds)
Diabetes	None	-	Mild (no meds)	Moderate (PO meds only)	> Moderate (insulin)
Immunocompromised*	No	-	-	Moderate	Severe
ILI symptoms (fever, cough, sore throat, body aches, diarrhea)	None (asymptomatic)	-	-	-	Yes
Exposure to known Covid-19 positive person in last 14 days	No	Probably not	Possibly	Probably	Yes

Patient Score (8-40)

* Haematologic malignancy, stem cell transplant, solid organ transplant, active/recent cytotoxic chemotherapy, anti-TNF α or other immunosuppressants, ≥ 20 mg prednisone equivalent/day, congenital immunodeficiency, hypogammaglobulinemia on IVIG, HIV with CD4 <200.

Abbreviations:

CAD Coronary artery disease

CF Cystic fibrosis

CPAP Continuous positive airway pressures

CV Cardiovascular

CHF Congestive heart failure

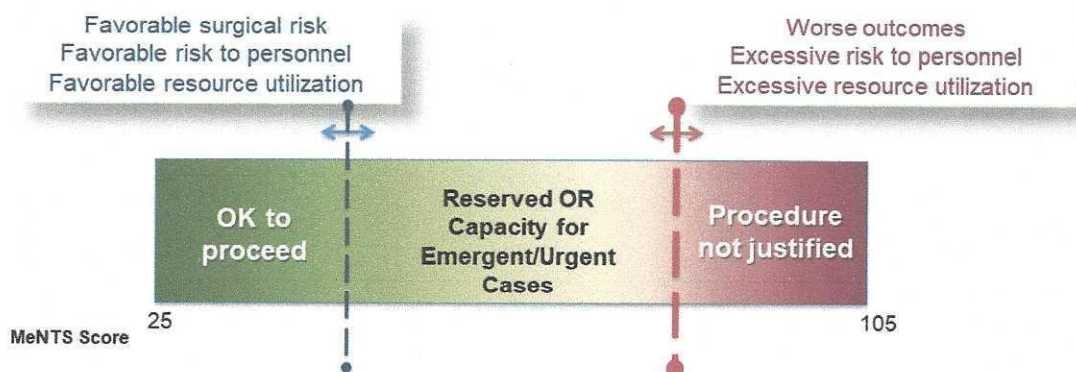
HT Hypertension

ILI Influenza-like illness

med medication

Cumulative MeNTS Score (Procedure + Disease + Patient)

Range: 21-105



Patient: _____

Signature: _____

Surgeon: _____

Signature: _____

Date: _____

References

1. Prachand VN, Milner R, Angelos P, Posner MC, Fung JJ, Agrawal N, Jeevanandam V, Matthews JB, Medically-Necessary, Time-Sensitive Procedures: A Scoring System to Ethically and Efficiently Manage Resource Scarcity and Provider Risk During the COVID-19 Pandemic, *Journal of the American College of Surgeons* (2020), doi: <https://doi.org/10.1016/j.jamcollsurg.2020.04.011>.