UNIVERSITY OF MIAMI MILLER SCHOOL of MEDICINE PALM BEACH REGIONAL CAMPUS

Introduction

- The model for end-stage liver disease (MELD) score predicts liver disease severity based on serum creatinine, serum total bilirubin, and INR and has been shown to be useful in predicting mortality in patients with liver disease.
- In late 2019, a novel coronavirus (SARS-CoV-2) was noted to cause an influenza-like disease with significant morbidity and mortality

Methods

- This is a single center retrospective cohort study of patients diagnosed with 2019 Novel **2020 and May of 2020.**
- Our study aimed to validate the utility of the **MELD score in predicting mortality in patients** diagnosed with SARS-CoV-2.
- mortality.
- The secondary outcomes include hospital length-of-stay, ICU admission rate and ICU length of stay..



MELD Score as a Predictor of In-Hospital Mortality in Patients with COVID-19: A Novel Approach to a Classic Scoring System Stawinski, P.M., Dziadkowiec, K.N., AL Abbasi, B., Suarez, L.S., Simms, L., Abdallah, A., Dewaswala, N., Torres, P., AL Rubaye, A., Ramos, F., Pino, J., Chait, R. & Marcus, A. University of Miami /HCA/ JFK Medical Center Palm Beach Regional GME Consortium, Atlantis, Florida

Coronavirus (SARS-CoV-2) between March of

The primary outcome is all cause in-hospital

- median MELD score was 28.8.
- A cutoff value of 30 was assigned to stratify patients into low and high risk groups.
- (<30) was 20.45% versus 45% (p=0.0429).
- ICU admission was 22.73% for patients stratified into the low group versus 45% a low score was 9.27 days versus 12.18 days (p=0.4418)

Discussions

- SARS-CoV-2.
- **COVID-19**.
- MELD score can aid in risk stratifying hospitalized patients with COVID-19.
- outcome, indicating hospital survival

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Results

The MELD score was evaluated in a cohort of 71 patients. The analysis included 31/71 (43.66%) men with a mean age of 66 +/- 16 years. The • Mortality rate for patients with a MELD score • Hospital length of stay for patients with a low score was 6.13 days versus 7.7 days (p=0.4560). (p=0.0707). ICU length of stay for patients with

The MELD score is a valid prognostic score that can be used as a reliable predictor of mortality in patients with PCR-confirmed

MELD score can be used to predict all-cause inhospital mortality in patients hospitalized with

Low MELD in hospitalized patients with COVID-**19** is a very strong indicator of a more benign