Disclosures

- Associate Professor Florida State University Emergency Medicine Residency Program
- Director for Research in Emergency Medicine
- Staff Emergency Physician Sarasota Memorial Hospital
- No Commercial Affiliations
Objectives

▪ Health System
▪ State of COVID19
▪ Process and Practice
▪ Transformation
▪ Science and Survival
▪ Next Steps
Sarasota Memorial Hospital Health System

- Began in 1925 with 32 Beds
- Today has a 75 + Bed ED and 830 + Beds
- Levels II Trauma Center & Stroke Center with Neurosciences
- 24/7 STEMI Call & Complete Cardiac Services
- Emergency Medicine + Internal Medicine Residency Programs
- Full Scale Critical Illness and Injury Care
- A Vibrant Ambulatory and Urgent Care Health System
- Upcoming Expansion to a Cancer Institute and a New Facility
- Cooperative EMS Model with Fellowship in Development
SMH CMS Ratings 1/30/2020

- Sarasota Memorial Hospital (SMH) received five-star quality rating for overall performance in areas of mortality, safety, readmissions, patient experience, effectiveness of care, timeliness of care and efficient use of medical imaging.

- The only hospital in Florida State amongst 45 in the USA—to earn the five-stars from the Centers for Medicare & Medicaid Services (CMS).

- 4,586 U.S. hospitals evaluated, less than 10 percent earned the 5 Stars.

- CMS Areas of Performance: mortality, safety, readmissions, patient experience, effectiveness of care, timeliness of care and efficient use of medical imaging.

SMH

- Growing City
- Predominant Geriatric Population and Fall Visitor Population
- Epidemic announced in March 2020
- Full Scale plan Implemented keeping all protocols and processes in Mind
- Patient Safety, Worker Safety, Resident Safety
- Infection Control and Surge Capacity Processes Implemented
Since March 2020

- Clarity in Internal Communication
- Implementing every Infection Control Measure effectively
- Engage in Innovation
- Engage in Public Education
- Integration and Team Work
The Emergency Department

- Patient Centered Care
- Patient Centered Education
- Patient Centered Innovation
Sarasota County Numbers 1st September

- World has 25 + Million Patients
- United States has 6 + Million
- Florida State has 623K +
- Sarasota has 7200+
- SMH has Dedicated Personalized Information System

[https://www.google.com/search?ei=CCIOx28fEl6ggf04HADQ&q=covid+numbers+sarasota+florida&oq=covid+numbers+sarasota+florida&gs_lcp-CgZwc3ktyW1QAzlCCAAyBggAEgQHIIGCAAOQBBAeOgQIABBHOgQIABAIEAcOHIC4R1J2T2ClUmqAcAF4AIABqgGIAYoKgEDMC45mAEApAEBgEjHlZ3d1XdpesABAQ&client=psy-ab&ved=0ahUKEwItHion78MfrAhUonAKHJeJoANgQ4dUDCA0&uact=5](https://www.google.com/search?ei=CCIOx28fEl6ggf04HADQ&q=covid+numbers+sarasota+florida&oq=covid+numbers+sarasota+florida&gs_lcp-CgZwc3ktyW1QAzlCCAAyBggAEgQHIIGCAAOQBBAeOgQIABBHOgQIABAIEAcOHIC4R1J2T2ClUmqAcAF4AIABqgGIAYoKgEDMC45mAEApAEBgEjHlZ3d1XdpesABAQ&client=psy-ab&ved=0ahUKEwItHion78MfrAhUonAKHJeJoANgQ4dUDCA0&uact=5)
SMH Data Set 31st August 2020

- **Hospital / ICU Capacity:** Hospital beds: 839   Patient census: 574
- **COVID-positive patients:** 31
- **Total ICU beds:** 72 * Today's ICU census: 46 (50 yesterday)
- **COVID-positive patients in ICU today:** 6 (7 yesterday)
- *SMH increased its ICU capacity from 62 to 72 beds in June and has enough ventilators to create more than 100 ICU beds, if needed, to manage a surge.*

**COVID-19 Test Results**

- **7-Day SMH positivity rate:** 2.8% (down from 3% last week)
  
  Patients who have tested positive (excludes repeat positives): 880 **
  
  Patients who have tested negative: 16,099 **

  **Reflects patients tested through SMH systems since March 2.*

**COVID-19 Patient Update***

- **Patients hospitalized since outbreak began:** 784 (778 yesterday)
  
  Patients treated/discharged: 815 (813 yesterday) {outpatients treated in the ER but not hospitalized and inpatients who have been treated and discharged or cleared by infection control but not yet discharged}
  
  Patient deaths: 90 (89 yesterday)

  ***Reflects cumulative number of patients treated at SMH since outbreak began in March.*
**The PROACTIVE COVID Policy**

- Following Guidelines Proactively
- Strict Visitation Policy: ISOLATION (Updated Daily)
- Strict Infection Control Policy
- Donning Doffing, Mask Usage, Waste Disposal, Patient Transportation
- Strict Goals of Care Model for Admission
- Supporting Florida Community Testing Location
- Participating in Prevention Trial and Plasma Donation Program
Improvised Patient Care Journey

Triage
Control Flagging

Care
Goal Directed

Disposition
Vigilant & Policy Driven
In the SMH Emergency Department

- Infection Control From Day One
- Avoided Missing the Interpersonal Transmission Blind Spot
- Mandatory Temperature Checks
- Employee Health Support System
- Strict Stay home when Sick Rule
- PPE always in Supply
- Vitals before Visit
- Dedicated Area in Triage / Telemedicine in Triage / Telemedicine in Clinics
- Elective Surgeries with Caution
- Dedicated Critical Illness and Injury Area
Key Fundamentals

- Anyone can have COVID = Everyone is at Risk
- Task with the Mask
- Gown and Glove in the COVE
- Every Admission get 24 Hour COVID and Every Suspected gets RAPID Test
- Every Procedure Patient Gets COVID Tested
- Every ICU gets RAPID COVID
- Every Transfer get a COVID Test before admission
Education

- Based on Science
- Public Education Portal with Back to School and Immunization Video
- Participating in the World Academic Council of Emergency Medicine weekly meetings
- Published Landmark Papers
- Daily Educational Update via email and interactive clinical drill if needed
COVID Primer

Clinical COVID


Science of TeleMedicine

Early Patient Data

Global Partnerships

- Weekly Saturday Summit at 9 AM EST for 25 Weeks since Inception
- Support Data Capture across sites in the world
- Consult and Train HCW in Kerala for COVID Control
- Health Minister of Kerala won the COVID19 Award from UN
  https://www.shethepeople.tv/home-top-video/kk-shailaja-united-nations-covid-19/
- Participated in COVEMERGE International Study for ED Assessments as a Partner Site. Submitted for Publication
- Ultrasound Guided COVID Rule out in Chest X-Ray Negative Patients
- Plant Based Interventions for COVID19
HCW in COVID-19


- *Meta-analysis of eleven studies showed that nearly 10% of COVID-19 positive patients are health care workers. The incidence of severe disease in health care workers (9.9%) was significantly lower than its incidence among all COVID-19 positive patients (29.4%). The mortality among health care workers (0.3%) was also significantly lower as compared to that of all patients (2.3%)*
Summary

▪ Improvise without Compromise
▪ Adhere to Best Practices
▪ Policy Development and Policy Implementation are equally crucial
▪ Patient and Processors have no Second
▪ Public have to informed 24/7
Questions

- Thanks to DHHS
- Thanks to Leadership
- Grateful for the Opportunity to serve
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