

PHILIPPINE HEART CENTER

BULLETIN

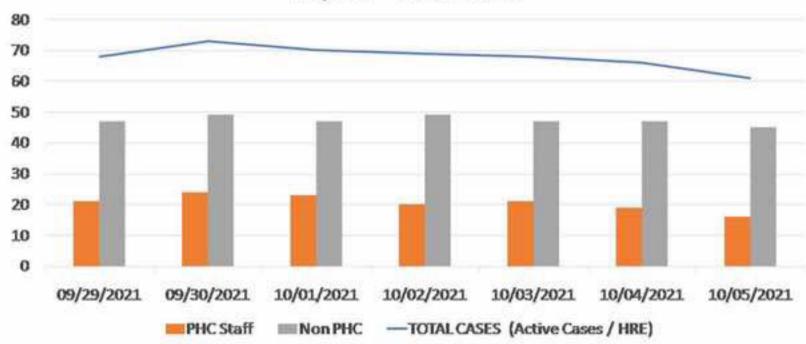
ISSUE NO. 26 OCTOBER 2021

Decreasing Covid Census

The Covid PHC and National Graph showing the steady and hopefully continuous decline in daily cases. Especially noteworthy is the less than 20 cases of PHC HCW.

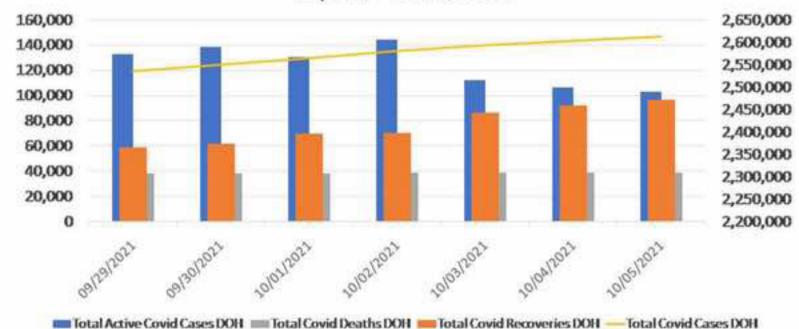
Covid Care Census

Sept 29 - Oct 5, 2021



National Covid Census

Sept 29 - Oct 5, 2021



ICP Prepares for the Pilot Pedia Vaccination Roll-out

ICP Incident Commander, Dr. Manzo and Dr. Panganiban during the ICP Meeting



preparation for the Pilot Pedia Vaccination Roll-out



Director's Corner:

Approval of the PHC Budget



The PHC Budget was presented during the Plenary Congress Budget Hearing, September 8, 2021



Pilipinas Shell Foundation, Inc. & DZRH's Pasasalamat sa Frontliners



We Care Packs were given to PHC frontliners as part of the Pasasalamat sa Frontliners program of Pilipinas Shell Foundation, Inc. & DZRH



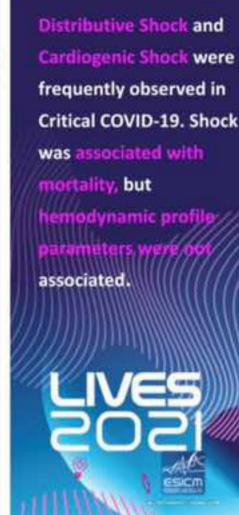
Dr. Abanilla received the donation from Shell Foundation and Covid-10 Action Network, October 5, 2021



Recognition of the PHC Research Paper

PHC Research paper entitled "Association of Initial Hemodynamic Profile to In-hospital Mortality of Critical COVID-10 patients in a Cardiology Referral Center," from the Division of Critical Care Medicine was recognized in the European Society of Intesive Care Medicine Annual Congress, LIVES 2021.

We are proud of you! Congratulations!



Association of initial Hemodynamic Profiles to In-hospital Mortality of Critical COVID-19 patients in a Cardiology Referral Center

INTRODUCTION

Coconavirus Disease 2019 (COVID-19) has been declared by the World Health Organization as a pandemic with cases overflowing Intesive Care Units across the world. Critical COVID-19 patients may develop shock from inflammation, cardiae injury and other mechanisms. There is limited data on their hemodynamic profile; measured thru invasive and non-invasive means. As a Cardiology Referral Center, different and multiple types of shock are anticipated.

OBJECTIVES

To determine the association of clinical and hemodynamic profiles to in-hospital mortality of critical COVID-19 patients admitted at the ICU

METHODS

This was a retrospective cohort study conducted in the Philippine Heart Center from March 2020 to December 2020. Adult, PCR-confirmed COVID-19 patients admitted in the Intensive Care Unit were included. Clinical profiles were obtained. Nemodynamic parameters (Cardiac Output, Cardiac Index and Systemic Vescular Resistance) were obtained thru invasive and non-invasive methods on patients who developed shock. Types of shock were categorized. Mortality rates were

CONCLUSIONS

Hemodynamic alterations from distributive shock and cardiogenic shock frequently observed in Critical COVID-19. Shock regardless of type was a with increased mortality. Hemodynamic parameters did not differ significant between two groups.

REFERENCES

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 American, R. A. et al (2003) Culturing have removed upon in princets 86% (2004) 19. A symmetry review and make analysis of observational studies (Avancheus, 75(10), 196) 1349. doi: 93.1111/jece.13201.

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RESULTS

Total of 77 patients were included. Mean age was 61 years old with a number having Cardiovascular comorbalities at admission (Acute Gorsnery Syndrome and Heart Failure), testad SOFA, serum lactate and effairmistory markers were predictive of mortality with a rate of 56%. Acute Heapiratory Distress Syndrome, Acute Heart Failure and Shook seem the most common complications. Among patients who developed shock, Fick's method and Echocardiography were the most commonly used recided to determine the horizodytamic parameters. Mean Cardioc Dutput was 3.65 (3.30 to 6.70), Mean Cardioc Index was 2.29 Livini (1.76 to 3.55) and mean SVR was 1518 dynas-alom5 (955 to 1650) by Fick's method, but did not differ significantly between groups. Regardless of Distributive and Cardiogenic shock type profile, both are associated with more

Table 1: Fick's Determination of Hemodynamic Profiles

	Frequency (N): Mean ± 50; Median (KIR)			Problem
Car thus Output (Urm)	3.85 (3.90 to 6.70)	3.65 (3.34 to 3.70)	5.09 (3.16 to 7.64)	250
Carefree Index (L/min/m²)	2.29 (1.76 to 3.55)	1.92 (1.75 to 2.45)	2.80 (1.76 to 3.70)	329
Stroke Volume (mi./kg/best)	48.48 (26.58 to 96.93)	44 (30.91 to 52.86)	54.12 (24.32 to 127)	SOS .
Systems, Vascular Resistance (dynes s/cm²)	1163 (770 to 1650)	1604 (895 to 1821)	1094 (701 to 1597)	1

Table 2: Type of Shock and Mortality

Hemodynamic Profile	Total	Supplied	Mortality	
	Frequency (N)			Permis
Natributive Shock	38 (49%)	5	33	<.001
andingweic thock	28 (36%)	6	22	.004
Nativetive Proce	3 (456).	0	3	25500
Multiple Types of Shock	8 (10%)	1	7	100





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Clean Hands are Safe Hands

5 Commonly Missed Areas during Handwashing

- 1. Tip of the fingers
- 2. In between fingers
- 3. Dorsum part of the hand
- 4. Thumb
- 5. Side of the pinkie finger



We salute the three dedicated retirees from the Department of Pediatric Cardiology: Dr. Aurora Gamponia (Outgoing Department Manager), Dr. Magdalena Lagamayo (Past Clinical Division Chief), Ms. Lorna Mangaliman-30 years Department Secretary

Whatever
you do,
do it all for
the glory of

God

1 Corinthians 10:31