



**Singapore Healthcare
Management 2022**

COVID-19 Worksheet for DUMMIES



Changi
General Hospital
SingHealth

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Introduction With the rapidly changing pandemic landscape, all healthcare institutions must adapt to the COVID-19 endemicity. As the usual patient load returns, all clinical teams were activated to care for patients who present with COVID-19 as well as patients who incidentally test positive while presenting for other issues. There is an impetus to equip all clinical teams to manage patients with COVID-19.

Aims 1. To condense all relevant MOH advisories, COVID19 guidelines, management points, discharge criteria for home or community facilities workflow into a quick reference document.
2. To empower clinical teams of all disciplines to manage their patients who have COVID-19.

Methodology Using the **K.I.S.S. model** with inputs from the Care Team (clinical / nursing / laboratory / operations) involved in the pandemic efforts, the the first version of the COVID-19 Worksheet was born!

Incorporating IDEAS through FEEDBACK

By applying multiple **PDSA** cycles, Care Team continued to fine-tune the document based on ground feedback and also updated to align with prevailing MOH guidelines. It is now in its **9th version**.

Concise guidance on key clinical information to collate and advisories on escalation of care.

How to order SARS-CoV-2 PCR via CPOE

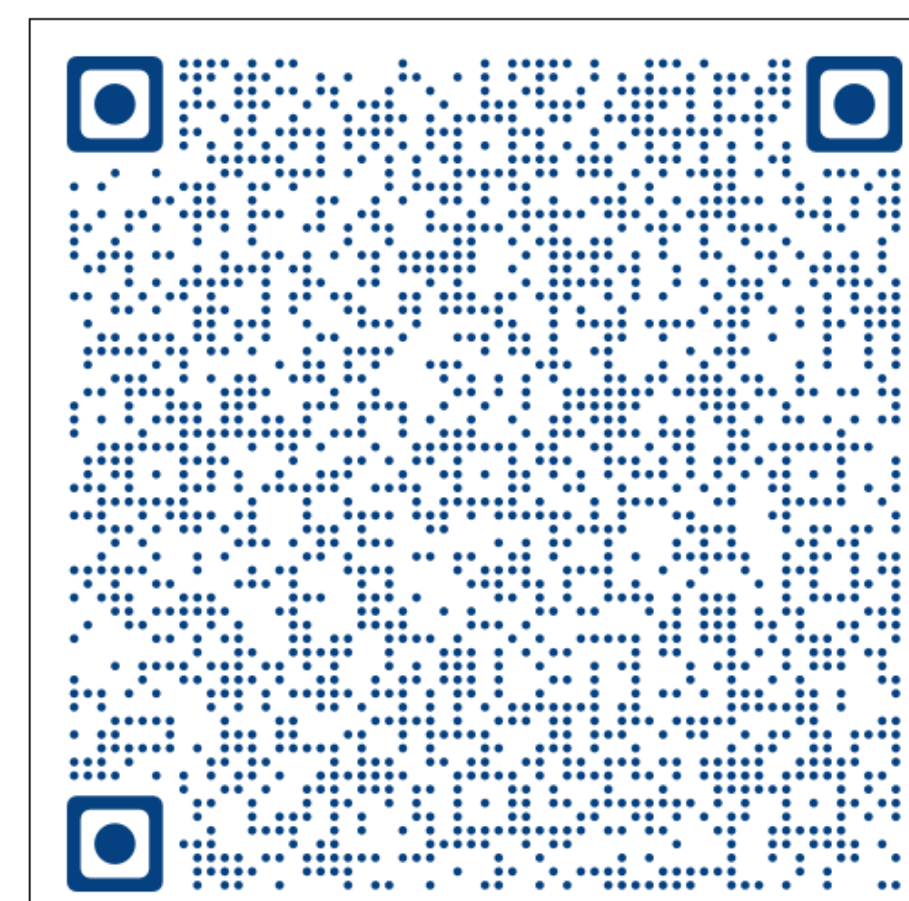
Order	Cost	Rating
SARS (SARS-CoV-2 (COVID-19) PCR Rapid Test (Xpert)) -CGH Fee (\$125.00)		
SARS (SARS-CoV-2 (COVID-19) PCR Rapid Test (Xpert))		
SARS Coronavirus Isolation		
SARS Coronavirus PCR		
SARS-CoV-2 (COVID-19 agent) PCR		
SARS-CoV-2 (COVID-19) PCR Rapid Test (Xpert) -CGH Fee (\$125.00)		
SARS-CoV-2 (COVID-19) PCR Rapid Test (Xpert)		
SARS-CoV-2 (SARS-CoV-2 (COVID-19 agent) PCR) -		
SARS-CoV-2 Antigen		
SARS-CoV-2 multiplex (Respiratory Pathogens Multiplex)		

Rapid PCR

Routine PCR

Advisory on how to order specific tests for COVID-19

Scan QR code for the full worksheet:



Added a QR code to link to ISARIC score calculator, to objectively determine illness severity.

QR codes to calculate risk for thromboembolism and risk of anti-coagulation as a clinical decision aid to decide on anti-coagulation.

Discharge policies updated to align with prevailing MOH guidelines for home recovery or transfer to community facility.

On admission / Day 1 Positive		Daily Rounds	
History / Physical - Important Points • Premorbid & EOC status • Past medical hx • Vaccination status • Dialysis • Symptoms / Vitals • ISARIC score • PADUA score		Investigations • CXR • FBC • Renal panel • LFT • CRP • LDH • Ferritin • SARS-CoV-2 PCR • SARS-CoV-2 Spike Ab and Nucleocapsid Ab	
Diagnosis • Mild COVID: URTI only • Moderate COVID: Pneumonia on CXR; Room air • Severe/Critical COVID-19 • Ill-looking from COVID-19 • Age >80 • ISARIC score ≥7 • Immunocompromised*		Who to call? 1. During office hrs: Contact ID 2. Severe Cx after office hrs: Contact Medical R2 on Call 3. Critical COVID for Active Mx: Activate MET	
Order • Symptom relief • Consider VTE prophylaxis if PADUA ≥4; Review bleeding risk - high risk if VTE BLEED score ≥2 • SARS-CoV-2 PCR - refer DECANT or DISCHARGE chart		Tools Vaccine Calculator.xlsx ISARIC Score PADUA Score VTE Bleed Score	

DECANT or DISCHARGE if minimal symptoms & room air & not on therapeutics					
	DAY 2 - 3	DAY 4 - 6	DAY 7	Day 8 - 9	DAY 10
VACCINATED	CAN SELF-CARE	HRP	Test if fit for home PCR CT25: Home PCR CT<25: Decant (HRP / CIF / CTF)	Home	
	CANNOT SELF-ISOLATE	CIF		Home	
	CANNOT SELF-CARE	CTF		Home	
PARTIAL UNVACCINATED	NURSING HOME / COMM HOSP / GEN WARD	Stay	Test if fit for transfer PCR: Positive Stay Negative: Go	Test if fit for transfer (do not repeat frequently if CT is very low) PCR: CT<25 Stay CT25: Go	NH/CH/ Home/GW
	CAN SELF-CARE	HRP	Test if fit for home PCR CT25: Home PCR CT<25: Decant (HRP / CIF / CTF)	Home	
	CANNOT SELF-ISOLATE	CIF		Home	
UNVACCINATED	CANNOT SELF-CARE	CTF		Home	
	NURSING HOME / COMM HOSP / GEN WARD	Stay	Test if fit for transfer PCR: Positive Stay Negative: Go	Test if fit for transfer (do not repeat frequently if CT is very low) PCR: CT<25 Stay CT25: Go	NH/CH/ Home/GW
	CAN SELF-CARE	HRP	Test if fit for home PCR CT25: Home PCR CT<25: Decant (HRP / CIF / CTF)	Home	

Results This worksheet is included as part of our orientation bundle to junior doctors. 30 non-medical discipline MOHH rotating junior doctors <26 medical officers and 4 house officers> were pooled. On the scale of 0-10 <10 being most confident>, **80%** of junior doctors pooled rated it **8** and **20%** rated **9**. Our rotating medical officers and residents are able to manage patients independently.

Conclusion The **COVID-19 worksheet for DUMMIES** in CGH increased clinician confidence in managing COVID-19. It also ensured smooth discharge and optimal use of limited COVID-19 resources according to illness severity.



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