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RE Official Information Act request CDHB 10713

I refer to your email dated 14 September 2021 requesting the following information under the Official Information Act from Canterbury DHB. Specifically:

- 1. The Triaged Protocol used for Covid-19 cases in Hospitals under your district used for assessing patient case severity.
- 2. For each level of severity, provide the treatment protocol given including medicines and dosage prescribed.
- 3. What Antivirals, Immune-Modulators, Anti-inflammatory, Anti-coagulant, and Convalescent plasma's are used along with their Indications.

Canterbury DHB follows the guidance published on the Ministry of Health website (refer to link below) and we also refer to the Middlemore Hospital guidance (please find attached as **Appendix 1**).

https://www.health.govt.nz/our-work/diseases-and-conditions/covid-19-novel-coronavirus/covid-19-information-health-professionals/covid-19-advice-all-health-professionals

I trust this satisfies your interest in this matter.

Please note that this response, or an edited version of this response, may be published on the Canterbury DHB website after your receipt of this response.

Yours sincerely

Tracey Maisey Executive Director Planning, Funding & Decision Support



Introduction

Initial clinical assessment for potential COVID-19 in all patients should be guided by the <u>Clinical Assessment Tool</u>. Further guidelines on infection control precautions, bed management etc. are also found at the same link.

This guideline has been adapted from the <u>Australian National COVID-19 Clinical Evidence Taskforce</u>, jointly revised by Respiratory and Infectious Diseases, for use at Counties Manukau Health. It refers to ongoing clinical management <u>FOR</u> <u>ADULTS ONLY</u> in the following patient groups:

Confirmed COVID-19	Probable COVID-19
(SARS-CoV-2 test positive during current illness)	(tested negative, but ID decision to treat as COVID,
	(a <u> </u>

i.e. does not apply to 'Suspected', 'Surveillance', 'Acute respiratory infections' or 'Exposed' groups.

Initial Management

	MILD	MODERA	TE	SEVERE / CRITICAL
DEFINITION	No symptoms OR URTI symptoms only OR cough, new myalgia or asthenia <u>without</u> new shortness of breath or reduction in oxygen saturation	shortness c symptoms Able to ma ≥92% (or ≥ chronic lun	t patient presenting with of breath and/or systemic or signs. intain oxygen saturation 90% for patients with g disease) with up to 4 en via nasal prongs.	
BASELINE TESTING & WORK-UP	 Only as clinically indicated. Low value testing is discouraged. 	 ECG only Chest x-ra ABG Investigat antigens, shows foo 	ions for CAP (urinary sputum PCR panel) if CXF al consolidation. tures if febrile or shocked	shows focal consolidation.
TREATMENT ESCALATION PLANNING	 Assess ability to manage in a quarantine (hotel) setting. Consider & document risk factors for severe COVID. NOTE – any new deterioration judgement. Severe COVID-19 	support n • Consider • Complete >7 days pos	nodalities). & document risk factors f blue resuscitation decisi t onset of illness requires	ceiling of therapy (including respiratory or poor COVID outcome. on form for <u>all</u> patients. careful assessment, observation &
DISPOSITION DECISION	 Encourage discharge (discuss with JetPark via ID). Liaise with Public Health. 	 Admit une requiring 	Ward 7 under Gen Med. der Respiratory if oxygen >2L/min and/or respiratory disease.	 Admit to ICU or Ward 7. Discuss with ICU and/or Respiratory regarding destination.
PROBABLE ONLY	Collect serum sample in acute	phase, repeat	: ≥2 weeks later, for 'COV	ID serology'
MONITORING & MARKERS OF CLINICAL DETERIORATION	 Only repeat CXR in people with deterioration or recent intubates Do not routinely perform CT set anticipate complications such impairment, acute kidney injustandards of care. Also be aw Repeat baseline investigation detect & manage the above complexity of the set and the set and	th suspected ation). scanning - onl n as pulmonar ury, sepsis, sh are of potent s (see above) omplications	or confirmed COVID-19 if y if clinically indicated. y embolism, other throm ock and multi-organ dysf ial complications from tri periodically in patients v	days 5 to 10 after onset of symptoms. clinically indicated (e.g. in cases of clinical boembolism, arrhythmias, cardiac unction, and address using existing al drugs, if applicable. vho are not clearly improving, in order to
NOTIFICATION	Discuss all cases with ID at the If not already notified, sond a		•	n <u>AND</u> notify by telephone (09 623 4600)
CLINICAL TRIALS	All patients should be screene	ed for eligibili ients admitte	ty for one of two clinical ed to ICU, and 'ASCOT-AD	trials currently recruiting at CMH APT' is recruiting hospitalised patients
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Management of COVID-19 in Adults

COUNTIES MANUKAU

HEALTH

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against

COVID-19



NOTE:- the standard-of-care for patients with COVID-19 is to be offered enrolment in one of our clinical trials. This table indicates which treatment modalities are affected if the patient is enrolled in a trial:

MODALITY	PATIENT SUB-GROUPS	RECOMMENDATION
$\mathbf{\wedge}$	Adults who do not require oxygen	Do not use steroids to treat COVID-19
γ_{\wedge}	Adults requiring oxygen and/or ventilatory	Dexamethasone 6mg daily IV/PO for up to 10 days or until
STEROIDS	support to maintain oxygen saturation ≥92% Adults with another evidence-based	discharge.
	indication for steroids (e.g. asthma/COPD exacerbations)	Steroids as per usual practise.
	All patients enrolled in ASCOT-ADAPT trial	As per trial protocol & randomisation (in addition to
	(anti-viral domain)	<i>remdesivir, if indicated below)</i> Do not use remdesivir or any other anti-viral outside of a
Ň.	Adults with mild COVID-19	clinical trial
		Commence Remdesivir:
ANTI-VIRAL	Adults with moderate to severe COVID-19	Contact on-call pharmacist - an access form needs to be access form needs to be
THERAPY	who <u>do not</u> require ventilation	completed; stock is held at Auckland Hospital200mg IV on day 1, then 100mg q24h for a further 4 days
	• Note – must have ALT <5 x ULN and/or ALT <3 x ULN and bilirubin <2 x ULN	(up to 10 days may be considered in selected severe cases)
		• Dose made up in 250mL 0.9% NaCl, infuse over 30-120min
	Adults with critical COVID-19 who require	• Monitor LFTs daily; discuss with ID if eGFR <30 or AKI Do not use remdesivir or any other anti-viral outside of a
	ventilation (invasive or non-invasive)	clinical trial
	There are no trials of immune modulation the	rapies currently recruiting at CMH
IMMUNE MODULATION THERAPY	 Adults with COVID-19: AND receiving oxygen + steroids AND CRP ≥75mg/L OR other evidence of severe systemic inflammation AND there is not another active, severe secondary infection 	 Give Tocilizumab: ID will need to apply to Pharmac for a 'rapid NPPA' but the dose can be given prior to this; stock is held at MMH 8mg/kg (actual body weight) rounded to nearest 200mg (max dose 800mg), as a single dose A second dose may be considered 12-24 hours later if the patient's condition has not improved Notes:- cytotoxic precautions are not required if used for COVID-19; risk of secondary infection is significantly increased; CRP response is inhibited.
	COVID-19 not meeting the criteria above	Do not use immune modulation therapy
	All patients enrolled in ASCOT-ADAPT trial (anticoagulation domain)	As per trial protocol & randomisation (in addition to standard VTE prophylaxis below)
	Adults with mild COVID-19 plus any	Enoxaparin 40mg SC once daily
VTE PROPHYLAXIS	additional VTE risk factors <u>OR</u> all cases of moderate to severe/critical COVID-19	 Reduce to 20mg if eGFR <30 mL/min/1.73m² NOTE:- Higher dosing strategies, or d-dimer-guided
	AND no contra-indication to anticoagulation	treatment, are not currently supported by the balance of
	e.g. risk for major bleeding	evidence (outside of clinical trials)
	Pregnant or postpartum women with any	Enoxaparin as above
	severity of COVID-19	NOTE:- Discuss dosing & duration with Obstetrics
	Mild or moderate COVID-19 without specific evidence of concurrent bacterial infection (which is rare in the first 7 days of illness)	Do not use antibiotics
ANTIBIOTIC	Any severity of COVID-19 <u>AND</u> specific	Calculate CURB-65 score:
THERAPY	evidence of concurrent bacterial infection (e.g. positive culture/antigen, purulent	 0-2 = Doxycycline 200mg PO once daily for 5 days
(not routinely indicated to treat COVID-19)	sputum, focal/unilateral consolidation,	• ≥3 = Ceftriaxone 2g IV once daily for 5 days
	unilateral pleural effusion, neutrophilia)	Review decision/results at 48-72 hours
	Severe/critical COVID-19, especially with any	Discuss with ID (in hospitalised COVID-19 it is common to
	deterioration occurring >7 days post onset	develop late, severe, secondary bacterial sepsis)
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Management of COVID-19 in Adults

FLUID	 Use a restrictive fluid management strategy 			
MANAGEMENT	 Avoid: 'maintenance' IV fluids, high volume e 	nteral nutrition, and repeated fluid boluses for hypotension.		
RESPIRATORY SUPPORT	All patients	Switch nebulisers to metered dose inhalers via spacer if possible.		
	SpO ₂ <92% or significantly below baseline	 Administer dry oxygen (1-4 L/min) via standard nasal prongs Aim for SpO₂ 92–96% (88–92% for those at risk of hypercapnic respiratory failure) Use Hudson mask (5-10 L/min) if higher flow rates required Consider use of self-proning after consulting with Respiratory Physiotherapy 		
	Unable to maintain SpO2 ≥92% on conventional oxygen at 6 L/min	 Consider High Flow Nasal Oxygen (HFNO) Note that this is a potential aerosol-generating procedure Consider use of self-proning after consulting with Respiratory Physiotherapy 		
N N	Hypercapnic patients with underlying COPD	• Discuss with Resp about Non-Invasive Ventilation (NIV)		
	or OHS	 Note that this is a potential aerosol-generating procedure 		
ICU CARE	 Patients with any of the following signs of deterioration should be discussed with ICU: Increasing oxygen requirement (requiring FiO2 of 0.4 to maintain SpO₂ >92% on HFNO, or 10-15L/min conventional O₂ therapy) Increased work of breathing with impending respiratory failure Haemodynamically unstable Rapidly worsening tachypnoea or hypoxaemia Detailed clinical guidelines for ICU care of COVID-19 is beyond the scope of this guideline. 			
THERAPIES FOR EXISTING	 ACE-inhibitors / ARBs Oral contraceptive pill (with or without oestrogen) Antenatal steroids for high risk of preterm birth Usual care (i.e. may be continued in COVID-19 unle otherwise contra-indicated) 	· ·		
INDICATIONS	 Corticosteroids for asthma/COPD (inhaled or oral, with or without bronchodilators) 	 Usual care Do not use a nebuliser 		
	Oral menopausal hormone therapy / HRT	Consider stopping until after recovery		
SURGERY	 Do not routinely perform elective surgery wit outweighed by the risk of deferring surgery, s 	hin eight weeks of recovery from COVID-19 infection, unless uch as disease progression or clinical priority. /ing COVID-19 infection, consider carrying out multisystem		
PREGNANCY &		guidance is included in the Australian COVID-19 guidelines		
PERINATAL CARE	 Input from Obstetrics, in discussion with ID and 	nd/or other relevant specialties, is essential.		

Discharge Planning:

Patients with Suspected, Probable or Confirmed COVID-19 who are being considered for discharge need to have specific decisions made about the following aspects of post-discharge care:

- 1. Further investigations (for Suspected)
- 2. Discharge destination:
 - Suspected cases being discharged before results are available should be notified to the Medical Officer of Health, who may request discharge to a quarantine facility.
 - Most Probable/Confirmed cases who remain in isolation will be discharged to Jet Park.
- 3. Clearance from isolation:
 - Mild cases can be released from isolation after ≥10 days have passed since the onset of symptoms AND there
 has been resolution of the acute symptoms for ≥72 hours.
 - Most hospitalised moderate & severe cases will require a further 10 days of isolation after discharge.
 - Patients with prolonged illness, long hospital stay, or major immunosuppression will require case-by-case review by ID.
 - Note repeat swabs are generally discouraged (but may be requested by ID on a case-by-case basis).
- 4. Appropriate follow-up:

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Patients who have had significant respiratory failure and/or persistent dyspnoea or hypoxia may require • respiratory follow up and support on discharge e.g. pulmonary rehabilitation, short-term oxygen.

All cases should be discussed with ID in advance to individualise the plan.

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