

## Priority Medical Devices in the context of COVID-19

### A. Medical Devices for Case Management

#### Objective

The list of priority medical devices in the context of COVID-19 provides descriptions for the management of patients with severe acute respiratory infection (SARI) when a COVID-19 virus infection is suspected at different levels of health care provision. The first level, for outpatient; second level includes general hospitals and laboratories; and third level, includes specialized hospitals with intensive care units and SARI units. The technologies listed are for the interventions and should be adapted to the health care workforce, infrastructure and technological resources available.

#### Target Audience

This document is recommended to support decision-making regarding the allocation and use of medical devices in the context of COVID-19 and is intended for healthcare providers, managers of SARI Units, procurement and regulatory agencies and Ministries of Health. Recommend to involve Biomedical Engineer in the selection and verification of installation of the equipment and ensure training of health care workforce.

#### Considerations

\* An assessment of the health facility is required prior to choosing equipment from the list in order to have a fully functional unit. For more details consult the technical specifications per equipment.

\* Accessories and consumables for starting operation are not disaggregated in this list. They should be provided with the purchase of the equipment for at least 3 months of operation.

\* Extended warranty of at least one year and additional spare parts for maintenance should be also aggregated, according to the health care capacity.

**Table 1. Medical Devices for Case Management of severe and critical patients by health facility level.**

Type	Medical Purpose	Remarks	Medical Device Generic Name	Triage	Treatment of severe patients	Treatment of critical patients	1st level	2nd Level	3rd Level
Medical Equipment	Airway Management and Intubation	Option 1 - To be chosen by the clinician.	<b>Laryngoscope, FD, diameter 28 mm, with blades</b>			x		•	•
		Option 2 - To be chosen by the clinician according to training skills and infrastructure capabilities.	<b>Videolaryngoscope, with blades and accessories</b>			x		•	•
	Imaging	Equipment per ward.	<b>Ultrasound, portable, w/linear and phased array cardiac transducer (5.0-7.5 MHz), w/trolley</b>			x		•	•
	Sterilization - According to the capability of the health facility. To consider some options may be already available (e.g. ETO sterilizers).	Option 1 - Equipment per facility.	<b>Autoclave, 40-60L, with accessories</b>		x	x		•	•
Option 2 - Equipment per facility.		<b>Autoclave, 90L, with accessories</b>		x	x		•	•	