Publications from scientific journals

How to protect the protectors:
10 lessons to learn for doctors fighting the COVID-19 Coronavirus

- Proposes interventions to ensure physicians do not end up becoming patients themselves
  - Establish triage areas and source control
  - Reinforce standard precautions and hygiene
  - Follow safety measures whilst dealing with OPD patients
  - Ensure safety measures whilst caring for hospitalised patients
  - Casually exposed HCWs should not be self-quarantined
  - Special precautions must be followed for aerosol generating procedures (AGP)
  - Environmental and engineering controls involve adequate ventilation of all healthcare facilities and proper environmental disinfection
  - Ensure access to personal protective equipment (PPE) for health workers

Universal Screening for SARS-CoV-2 in Women Admitted for Delivery

- Between 22 March and 4 April 2020, a total of 215 pregnant women delivered infants at the New York – Presbyterian Allen Hospital and Columbia University Irving Medical Center.
- All women were screened on admission for Covid-19 – and 29 of the 33 patients who were positive for SARS-CoV-2 at admission (87.9%) had no symptoms of Covid-19 at presentation

Evolving epidemiology and transmission dynamics of coronavirus disease 2019 outside Hubei province, China: a descriptive and modelling study

- ... the estimates of the incubation period and serial interval were similar, suggesting an early peak of infectiousness, with possible transmission before the onset of symptoms
- The results also indicate that, as the epidemic progressed, infectious individuals were isolated more quickly, thus shortening the window of transmission in the community.
- Overall, the findings indicate that strict containment measures, movement restrictions, and increased awareness of the population might have contributed to interrupt local transmission of SARS-CoV-2 outside Hubei province.
Face masks for the public during the covid-19 crisis

- The authors argue that it is time to apply the precautionary principle
- Key messages – the precautionary principle states we should sometimes act without definitive evidence, just in case; whether masks will reduce transmission of covid-19 in the general public is contested; even limited protection could prevent some transmission of covid-19 and save lives; and because covid-19 is such a serious threat, wearing masks in public should be advised

**BMJ | Analysis | 9 April 2020 | Online link**

**Barrier Enclosure during Endotracheal Intubation**

- Clinicians with inadequate access to standard PPE can protect themselves during endotracheal intubation through an “aerosol box,” which consists of a transparent plastic cube designed to cover a patient’s head and that incorporates two circular ports through which the clinician’s hands are passed to perform the airway procedure...

**New Eng J Med | Correspondence | 3 April 2020 | Online link**

**WHO guidelines**

**Rational use of personal protective equipment for coronavirus disease (COVID-19) and considerations during severe shortages**

- Summarizes WHO’s recommendations for rational use of PPE in health care and home care settings, as well as during the handling of cargo; it also assesses the current disruption of the global supply chain and considerations for decision making during severe shortages of PPE
- This updated version includes a section on considerations for decision making processes and a summary of temporary measures in the context of severe PPE shortage

**WHO | Interim guidance | 6 April 2020 | Online link**

**Advice on the use of masks in the context of COVID-19**

- Provides advice on the use of masks in communities, during home care, and in health care settings in areas that have reported cases of COVID-19. It is intended for individuals in the community, public health and IPC professionals, health care managers, health care workers (HCWs), and community health workers. This updated version includes a section on advice to decision makers on the use of masks for healthy people in community settings.

**WHO | Interim guidance | 6 April 2020 | Online link**

**Recommendations to Member States to improve hand hygiene practices to help prevent the transmission of the COVID-19 virus**

- Universal access to public hand hygiene stations and making their use obligatory on entering and leaving any public or private commercial building and any public transport facility; healthcare facilities should improve access to and practice of hand hygiene

**WHO | Interim guidance | 1 April 2020 | Online link**

**Q&A on infection prevention and control for health care workers caring for patients with suspected or confirmed 2019-nCoV**

- Provides answers to frequently asked questions on IPC for health care workers

**WHO | Q&A | 31 March 2020 | Online link**
## MoHFW/GoI guidelines

**Guidelines for Quarantine facilities COVID-19**
- Interim guidance for setting up quarantine facilities; includes an assessment checklist

**Revised Guidelines for Dialysis of COVID-19 patients**
- Revised guidance for maintenance hemodialysis (MHD) and continuous ambulatory peritoneal dialysis (CAPD), who are more prone to acquire infections

**Advisory on use of Homemade Protective Cover for Face & Mouth**
- A manual which provides a simple outline of best practices to make, use and reuse face covers to enable NGOs and individuals to make face protection themselves

## Trainings / IEC resources

**Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)**
- Self-paced free online training intended for healthcare workers and public health professionals, with a certificate (Confirmation of Participation)
- Provides information on what facilities should be doing to be prepared to respond to a case of an emerging respiratory virus such as the novel coronavirus, how to identify a case once it occurs, and how to properly implement IPC measures to ensure there is no further transmission to HCW or to other patients and others in the healthcare facility

**WHO** | Open WHO training course | 6 April 2020 | [Online link](#)

**iGOT courses on DIKSHA platform on COVID-19 pandemic**
- Online trainings for doctors, nurses, hygiene workers, technicians, ANMs, State Govt Officers, Civil Defence Officials, various police organizations, NCC, NYKS, IRCS, BSG and other volunteers

**COVID-19: How to put on and remove personal protective equipment**
- Guide for healthcare workers involved in patient care activities in a healthcare setting, it aims to show the type of personal protective equipment or PPE needed to correctly protect oneself

**Updated List of Training Resources for COVID - 19 Management**
- Resource material for capacity building of healthcare professionals for Covid-19 containment

**Infection prevention and control**
- Presentation on IPC

### References
- NCDC | presentation | 8 April 2020 | [Online link](#)
### Appropriate PPE use in Different Areas of the Hospital
- Video demonstrating PPE use in different segments of the hospitals
  
  **AllIMS** | Telemedicine video on YouTube | 8 April 2020 | [Online link](#)

### Know how to use your own Homemade Reusable Face Cover
- Video on how to use your own homemade reusable face cover
  
  **MoHFW** | YouTube video | 7 April 2020 | [Online link](#)

### Infection control – including basic personal protective equipment
- Learn how to don and doff basic PPE as well as the principles of other important infection control measures in a hospital environment
  
  **BMJ Learning** | Online learning for doctors, medical students | 7 April 2020 | [Online link](#)

### Antimicrobial Resistance and COVID-19

#### COVID-19 and why tackling the silent crisis of drug-resistant infections matters more than ever
- Link between COVID-19 and drug-resistant infections is more troubling than many realize. Antibiotics, while not effective against viruses, are being used frequently in people with COVID-19 to prevent or treat suspected or confirmed secondary bacterial infections
- According to an early study from China, secondary infections causing bacterial pneumonia, bloodstream infections, sepsis and hospital-acquired infections were present in half of all deceased COVID-19 patients
  
  **GARDP** | AMR Insights | 3 April 2020 | [Online link](#)

#### COVID-19 and AMR – what do we know so far?
- Provides an overview of what is known so far about how AMR and COVID-19
  
  **ReAct** | News and opinions | 2 April 2020 | [Online link](#)

### Understanding Hygiene promotion in the context of Risk Communication & Community Engagement (RCCE) and Infection Control and Prevention (IPC) for the COVID-19 outbreak
- Hygiene Programming Guidance Note
  
  **UNICEF** | Draft guidance | 1 April 2020 | [Online link](#)