Low-Cost Solutions to Create or Extend the Use of PPEs

*Courtesy of Dr. Choon Looi Bong*

**Key Points**

- Minimize contamination during Aerosol Generating Procedures
  - Use transparent plastic drapes or clear box for bag and mask, intubation (video laryngoscope if available) and extubation

- Use face shields to prevent contamination of masks
  - Can be easily made from common, inexpensive plastic materials including plastic bottles

- Creative solutions to make PPEs using everyday materials
  - **Masks**
    - In the absence of N95 masks, consider DIY options
    - Standard anaesthesia facemask or scuba diving mask with viral/bacterial filter
  - **Eye protection**
    - Any waterproof material that protects the front and side of the eyes will be adequate.
    - Consider safety goggles obtained from hardware stores, swimming or diving goggles
  - **Protective gowns**
    - Any Splash-proof or water-proof material will do
    - Consider plastic aprons, plastic bags, garbage bags, raincoats, ponchos.

Further details, Photos and links can be found at https://aspa-2000.com/2020/03/27/low-cost-suggestions-to-creating-or-extending-ppe/