

Description

MCW clinicians developed a **disposable port that can attach to any surgical mask for nasal endoscopy, laryngoscopy, or bronchoscopy**. The port contains a non-latex gasket that allows passage of a scope into the nose or mouth while preventing aerosolized droplets or viral particles from escaping during the procedure.

Problem Solved

Endoscopy procedures are performed thousands of times per day in the US and can lead to aerosolization of virus if the patient coughs or sneezes. This puts medical practitioners and other patients at risk of infection, especially in facilities where immunocompromised and other high-risk patients are nearby.

This new endoscopy port greatly reduces the aforementioned risks by attaching directly to standard surgical masks and forming a seal around the scope to keep particles inside the patient's mask.

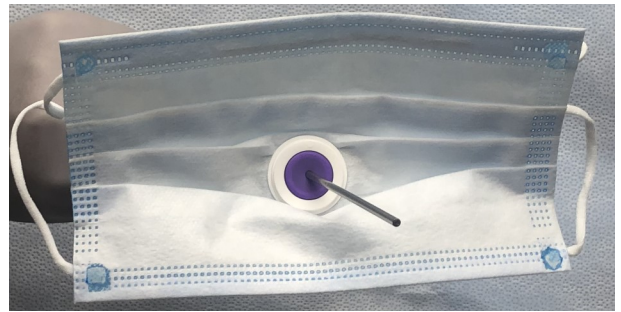
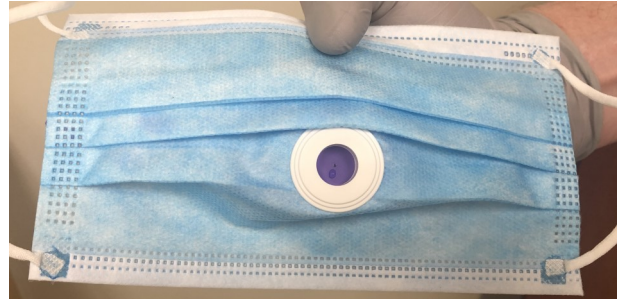


Figure: Front and back images of the port attached to a standard surgical mask.

Application

The port attaches to standard surgical masks and is used for nasal endoscopy, laryngoscopy, and bronchoscopy.

Key Advantages

- Efficiently reduces release of aerosolized particles
- Attaches directly to standard surgical masks
- Disposable and easily portable

Stage of Development:
Prototypes tested

Intellectual Property Status:
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Inventors

David Poetker, MD, MA
Professor
Department of Otolaryngology
Medical College of WI

B Tucker Woodson, MD
Professor
Department of Otolaryngology
Medical College of WI

Todd Loehrl, MD
Professor
Department of Otolaryngology
Medical College of WI

Bonnie Freudinger, ME
Engineer
Engineering Core
Medical College of WI

Garcia Guilherme, PhD
Assistant Professor
Biomedical Engineering
Medical College of WI

David Friedland, MD, PhD
Professor
Department of Otolaryngology
Medical College of WI

Contact

Landon Olp

414-955-4884

lolp@mcw.edu