



Rapid Review Panel
Recommendation 2

H1N1 Flu

Are you fully prepared?

Proven Technology

Medixair a device reviewed by the Department of Health's Rapid Review Panel (Category 2) is clinically demonstrated to reduce the spread of infection¹

Airborne Transmission

The H1N1 virus is carried by humans and rapidly transmitted from person-to-person.

Transfer can occur directly through coughing or sneezing as respiratory droplet secretions or via touching a surface that is contaminated with these droplets as they precipitate out of the air

Intervening in this route of transmission will greatly improve environmental hygiene and significantly reduce the opportunity for cross infection.

3 Areas of Concern

- **Front line protection** of hospital entry points (A&E waiting rooms)
- **Containment** of the virus should a patient contract the illness
- **Prevention** of the transfer of the virus to admitted patients with additional underlying illness

1. A New Mobile Air Sterilisation Device on Airborne Spread of Meticillin-Resistant *Astaphylococcus aureus*
Nielson et al.



Powerful | Quiet | Portable | Sustainable

How Can Medixair® help?

Clinical Trials have proven that there is a direct link between the introduction of Medixair and the significant reduction in the numbers of bacteria & viruses in the environment².

Medixair is a portable, high power, UV air steriliser that works by drawing air continuously through a sealed chamber where all bacteria and viruses will be killed in a single pass, through exposure to UVc light.

The amount of UVc required to kill H1N1 Flu is less than 15% of the total energy available in Medixair.

The Technology

Medixair is a 110w, ultraviolet light, air sterilisation unit.

It is designed to de-contaminate the air within hospital environments. The patented technology packages a high amount of UV energy securely and safely into a single device that can be easily deployed within the patient environment.

- Cleans a room 5m x 5m in 2 to 3 hours
- Produces 25m³ of sterilised air per hour
- Kills 99.9999% of all viruses and bacteria
- UV Energy 22,500µW.sec.cm⁻² (Influenza is killed at 3,400µW.sec.cm⁻²)³
- Almost silent in operation < 33dB
- Highly Portable
- In vitro tested at Microsearch UKAS Laboratories

Method of Use

In operation Medixair prevents infection transfer through the continuous decontamination of room air as it passes through the machine.

Medixair produces a stream of sterile air which dilutes environmental contamination, keeping equipment and surfaces cleaner. In this way cross infection is reduced by lowering the risk of pathogens entering the body.

Installed as a single unit in a side ward or as multiple units in open bays and waiting areas, Medixair could have an immediate and positive impact in helping to prevent the spread of H1N1 Flu.



2. The Efficacy of a New Mobile Air Sterilisation Device on Airborne Spread of Methicillin-Resistant *Staphylococcus aureus* Peder Bo Nielson, MD, Msc, MRCPATH. DipHIC et al The article has completed a peer review by Journal of Hospital Infection and is pending publication. Presented at 8th Congress of the International Federation of Infection Control Budapest Hungary 2007

3. Marcus M. Jensen (1964); "Inactivation of Airborne Viruses by Ultraviolet Irradiation"; Department of Medical Microbiology and Immunology, School of Medicine, University of California, Los Angeles, California. Applied Microbiology, Vol. 12, No. 5, p. 418-420 September, 1964

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