

Operio CLINIC

Mobile laminar air flow unit for operating rooms and ambulatory rooms and ICU



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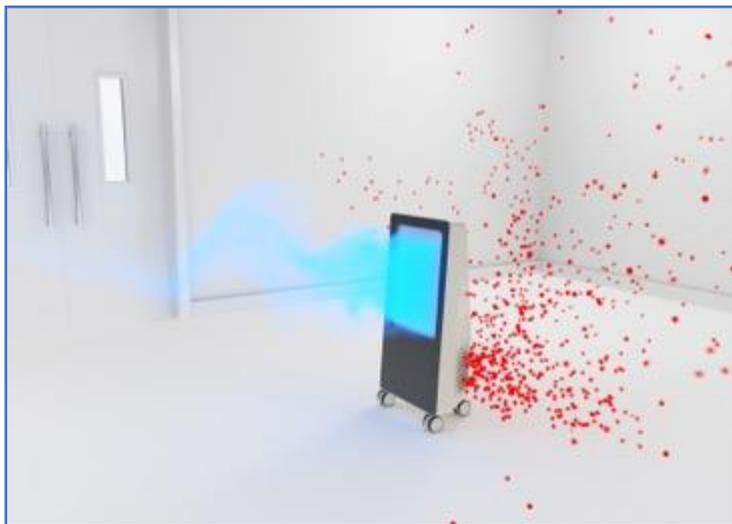
Operio clinic: Mobile laminar air flow unit

Operio works with highly cleaning Hepa H 14 filters which completely (99.9%) purify the air in the operating room and ambulatory room from bacteria and other microorganisms (also Coronavirus SARS-CoV-2).

For additional protection, the filter is equipped with a UVC function inside, which is not harmful to the user, which effectively kills all filtered bacteria and viruses, including the corona virus.

Aseptic conditions are particularly important in an operating room especially for implant surgery and eye surgery because the consequences of an periprosthetic implant infection or endophthalmitis are dramatic. (for the patient and for the reputation of the surgeon and clinic). When performing transplants or when using implants, prostheses, etc., sterile conditions are particularly important!

TECHNICAL SPECIFICATIONS	
Dimensions	11 x 47 x 97 cm
Weight	15 Kg
Ultra clean air purification per hour	Speed 1: 200 m ³ /h Speed 2: 300 m ³ /h Speed 3: 480 m ³ /h
Filtro HEPA 14	Filters 99.995% particles diameter > 0.1 micron
UV Light	Manual activation with automatic shutdown at 1 min



Applications

Many people in the general public think of ORs as ultra clean, even sterile, environments. For anyone working in ORs, it is clear that this view is far from the truth. Although modern ORs have strict measures to reduce contamination, the OR environment becomes contaminated with every person entering the operating room. The more people are present in an operating room the higher is the contamination with pathogens that cause infections including SSIs. Especially implant surgery and eye surgery need a very aseptic environment as already a few pathogens can cause infections which are devastating and very expensive to treat.

Operio CLINIC can be used to improve the level of asepsis during operation in an operating theater. The various levels of purification of clean air can be used to adapt the degree of the desired asepsis in accordance with the kind of operation. It is easy to install and can be transported between operating rooms.

Orthopaedic surgery



Periprosthetic joint infection (PJI) is one of the most devastating postoperative complications of total knee arthroplasty (TKA). Around two thirds of PJI cases are caused through intra-operative inoculation of micro-organisms. (Zimmerli W, Trampuz A, Ochsner PE. Prosthetic-joint infections. N Engl J Med 2004;351:1645–1654)
Operio clinic can be used to decrease the level of pathogens in the O.R. and hence reducing the risk of infection.

Eye surgery



Endophthalmitis is one of the most devastating diagnoses in ophthalmology. It is a serious intraocular inflammatory disorder affecting the vitreous cavity that can result from exogenous or endogenous spread of infecting organisms into the eye. Maintaining good aseptic conditions during surgery is essential to avoid the risk of Endophthalmitis.



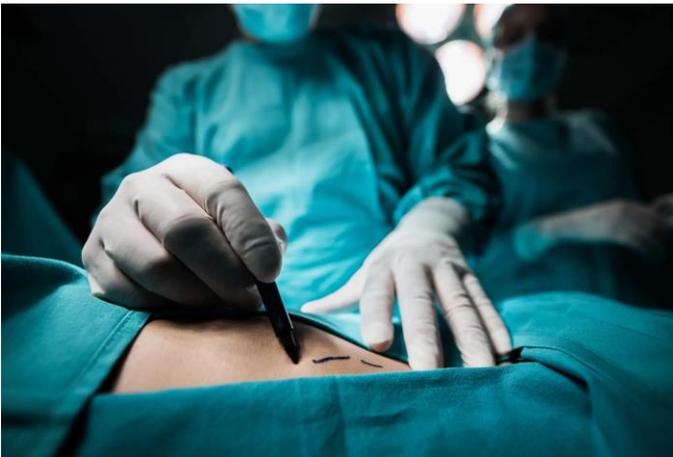
Applications

Ambulatory surgery

Operio CLINIC can be used to improve the aseptic conditions to perform smaller operations outside the operating room



Plastic surgery, General surgery, Neurosurgery, Cardiac surgery, ICU, ecc.



Operio clinic: high aseptic level for limited budget .

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