



# Did **YOU** know that surgical smoke is a health hazard in the operating theatre?

Surgical smoke poses health risks due to its hazardous contents. Surgeons and perioperative personnel face potential adverse effects from daily exposure to surgical smoke. Components such as toxic materials, bacteria, carcinogens, blood, cellular material, and viral DNA have been identified in surgical smoke (Bree, Barnhill, & Rundell, 2017). It's paradoxical that smoking is prohibited in public places while exposure to surgical smoke in operating rooms remains legal.

## **MASK**ing the problem does **NOT** help



One day's exposure to surgical smoke is equivalent to smoking 27 to 30 unfiltered cigarettes <sup>1)</sup>



Hazardous chemicals are found in surgical smoke, including benzene and formaldehyde <sup>2)</sup>



Perioperative nurses have twice the incidence of many respiratory problems as compared to the general population <sup>3)</sup>

- 1) Hill DS, O'Neill JK, Powell RJ, Oliver DW. Surgical smoke—a health hazard in the operating theatre: a study to quantify exposure and a survey of the use of smoke extractor systems in UK plastic surgery units. *J Plast Reconstr Aesthet Surg.* 2012;65(7):911–916.
- 2) Barrett WL, Garber SM. Surgical Smoke: A review of the literature. Is this just a lot of hot air? *Surg Endosc.* 2003;17(6):979-87.
- 3) Ball K. Compliance with surgical smoke evacuation guidelines: implications for practice. *ORNAC J.* 2012;30(1):14-16. [IITB]

# C I M P A X



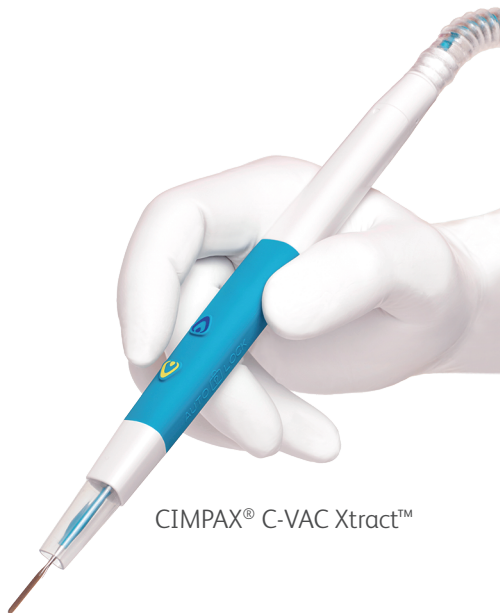
## The SOLUTION is to EVACUATE

The CIMPAX® C-VAC Tornado™ and CIMPAX® C-VAC Xtract™ provide a single instrument solution for safe electrosurgery and efficient smoke evacuation.

- Triangular design with unique silicone cover ensures optimal ergonomic grip and safety for surgeons
- Ultra-soft micro-switch push buttons offer exceptional tactile feedback for enhanced user comfort
- Large lumen ensures enhanced flow and effective removal of surgical smoke
- 100% free of latex, lead, PVC, and phthalates making the C-VAC range more environmentally friendly



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