

ANESTHESIA GOES SUSTAINABILITY

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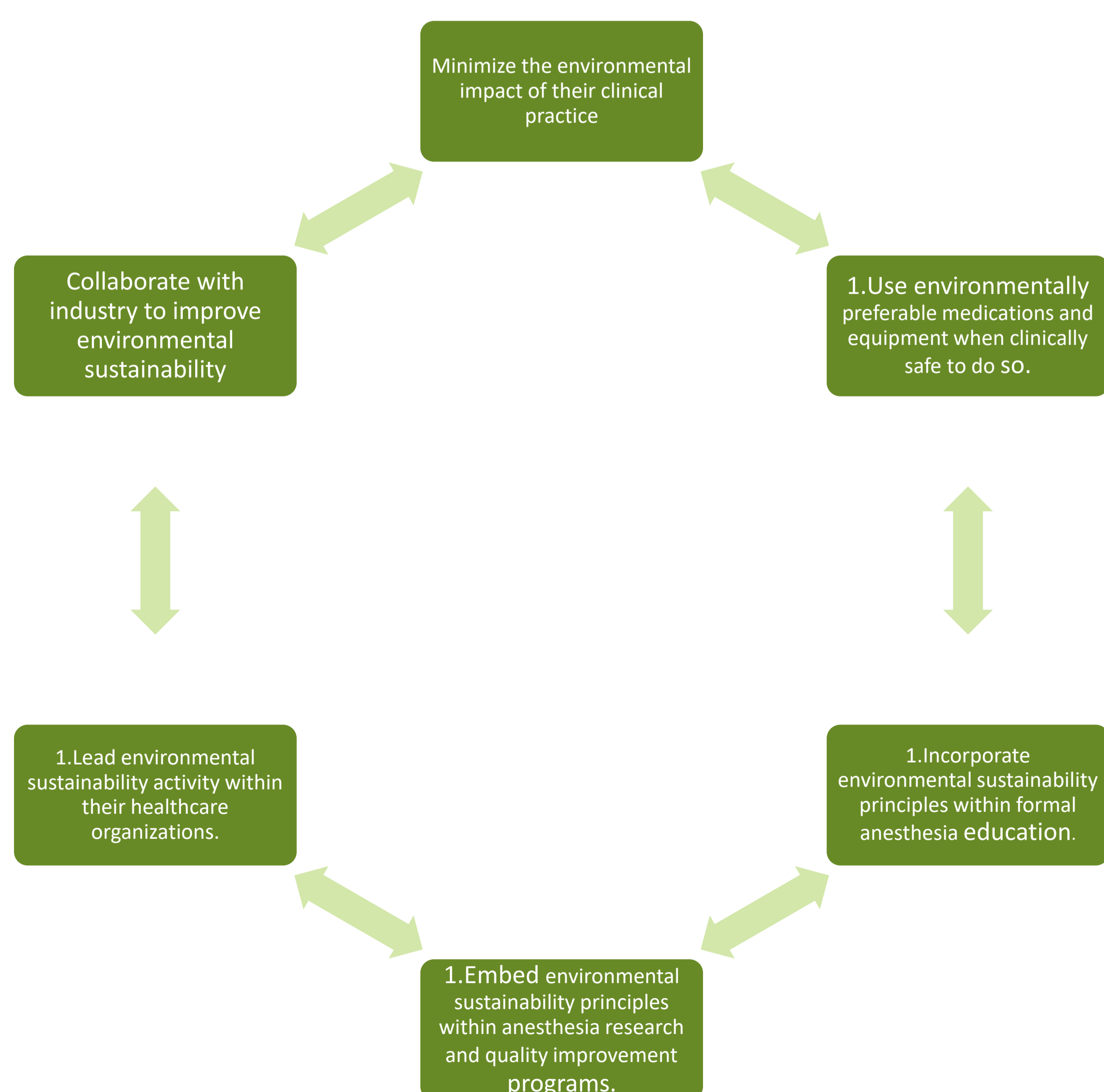


Basic statements	Health care system	Anesthesia providers
<ul style="list-style-type: none"> Climate change is the single biggest health threat facing humanity. The climate crisis threatens to undo the last fifty years of progress in development, global health, and poverty reduction. 	<ul style="list-style-type: none"> Climate change impacts the health care system both directly and indirectly Awareness: Health professionals worldwide are responding Paradigm shift: A shift from individual to public health is mandatory 	<ul style="list-style-type: none"> Need to reduce the contribution of their practice Global agreement on fundamental principles of change exists Patient safety should not be compromised

Guidelines

Principles of environmentally-sustainable anaesthesia: a global consensus statement from the World Federation of Societies of Anaesthesiologists

S. M. White,¹ C. L. Shelton,^{2,3} A. W. Gelb,⁴ C. Lawson,⁵ F. McGain,^{6,7} J. Muret⁸ and J. D. Sherman,⁹ representing the World Federation of Societies of Anaesthesiologists Global Working Group on Environmental Sustainability in Anaesthesia*



Key aspects

7h anaesthesia at 1 MAC	atmospheric life time (y)	0.5 l/min FGF	2 l/min FGF
Sevoflurane 2%	1.1	753 km	3132 km
Desflurane 6%	14	3924 km	15696 km
Nitrous Oxide 66%	114	279 km	1116 km

- Choice of anaesthetics**
 - volatile vs. iv anaesthetics
- FGF management**
 - technical regulations
 - "legislative" regulations
- Anaesthesia equipment choices**
 - single use vs. reusable equipment
 - configuration of ready to use sets
- iv pharmaceuticals**
 - handling of emergency drugs
- Waste stream/ recycling**
 - 5r: reduce, reuse, recycle, rethink, research
- Green meetings/ events**
 - onsite vs hybrid