

Anesthesia Machine/Vaporizer Preventive Maintenance Policy

Purpose:

The purpose of this document is to provide guidelines regarding recommended scheduling for anesthesia machine/vaporizer (isoflurane and sevoflurane) preventive maintenance. You are advised to follow the manufacturer recommendations if they differ from this document.

Policy:

Anesthesia machines and vaporizers must be in good working condition to reduce anesthetic gas leaks, to have the best performance of scavenging equipment, and ensure that the appropriate percentage of anesthetic is being delivered. Personnel must be trained in the proper use of anesthetic machines and vaporizers prior to operation. Each piece of equipment involved in the delivery of inhalant anesthetics should be evaluated regularly to ensure its proper function and integrity.

All anesthesia systems (including vaporizers) must be inspected and certified annually by the UR Department of Clinical Engineering, Zoetek or equivalent.

Documentation of the maintenance program should be kept indicating the nature and date of the work performed, as well as the name of the trained individual servicing the equipment.”

References:

Anesthetic Gases: Guidelines for Workplace Exposures

<https://www.osha.gov/dts/osta/anestheticgases/index.html#D3>

Approved by UCAR: 3/19/2025