

Accuracy of anesthetic gas flowmeter.

Adipat J,RN., Denduong S,RN., Janthorn P,M.D., Jirasiritham s,M.D.

\*Department of Anesthesiology, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok 10400.

The accuracy of anesthetic gas flowmeter was studied in 24 years in Ramathibodi hospital. The gas flowmeter was measured by using wet test meter (wet gas meter). It was found that the percentage of deviation from the preset flow rate of oxygen and nitrous oxide was quite high. The oxygen gas flow meter always showed positive and constant range of deviation, no matter how much present flow rate we used. There was significant difference when we measured the flow rate of nitrous oxide. We found that the higher the preset flow rates were, the lower the range of deviation. The durability of anesthetic machine had no statistically significant with the percentage of deviation.