

Anesthesia Machine

SUPERVISOR :

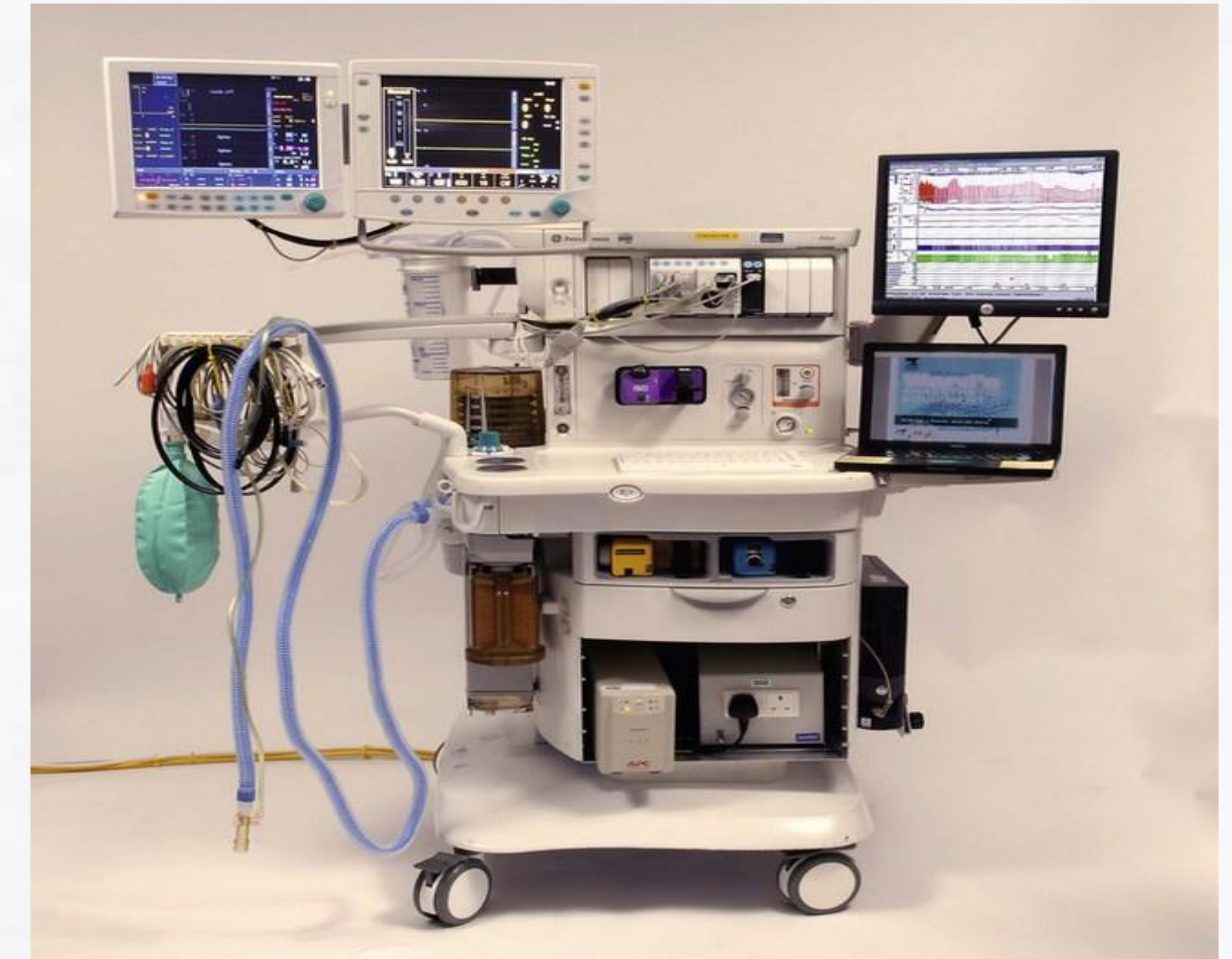
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GROUP :

Tabark , et al .

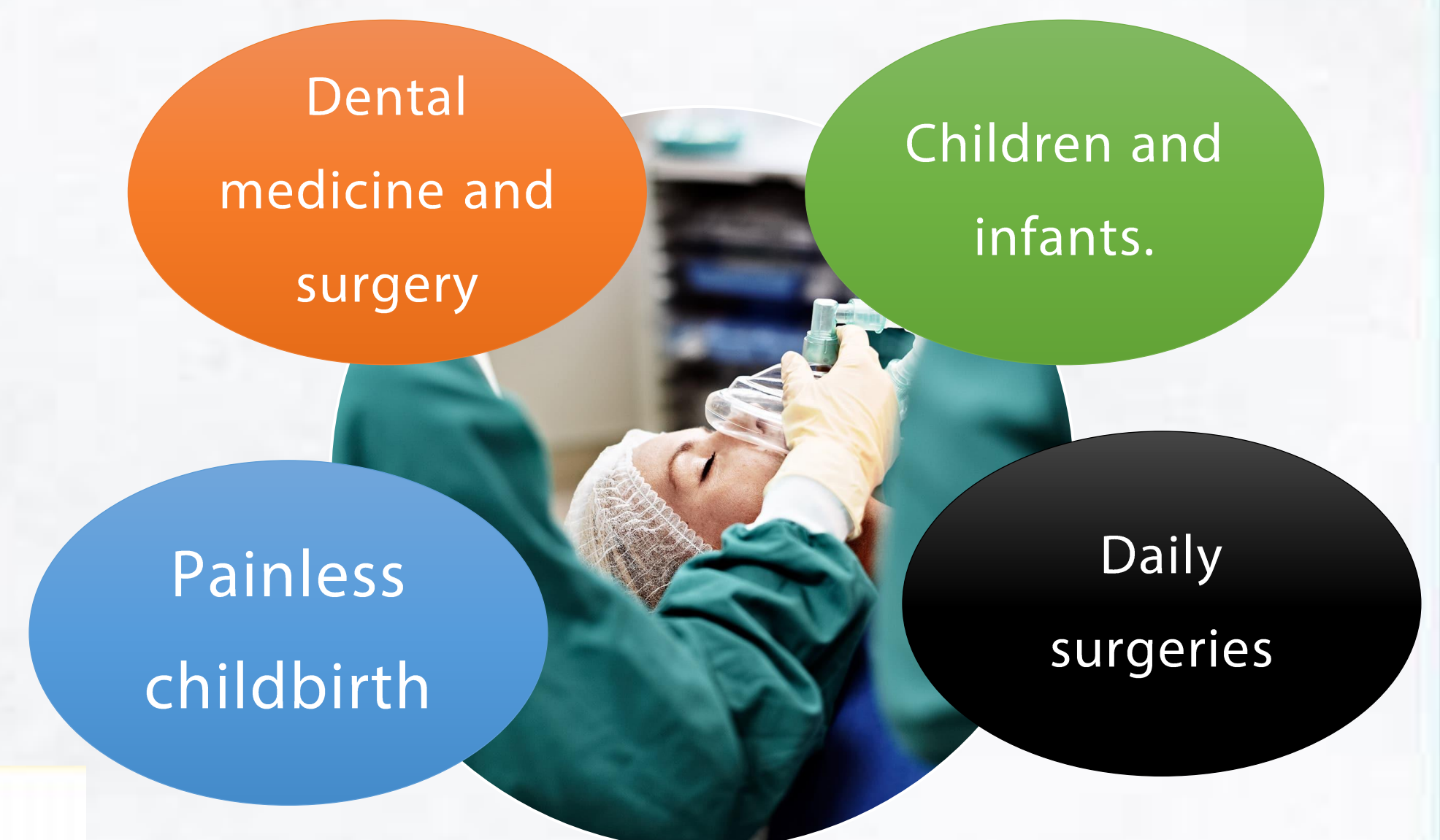
INTRODUCTION :

The anesthesia machine is one of the most versatile medical instruments in the healthcare industry. The pneumatic devices help doctors sedate their patients before surgery and keep them asleep, while breathing, throughout the procedure. Primarily, the function of the anesthesia machine is to help surgeons mitigate their patient's pain during a medical operation.

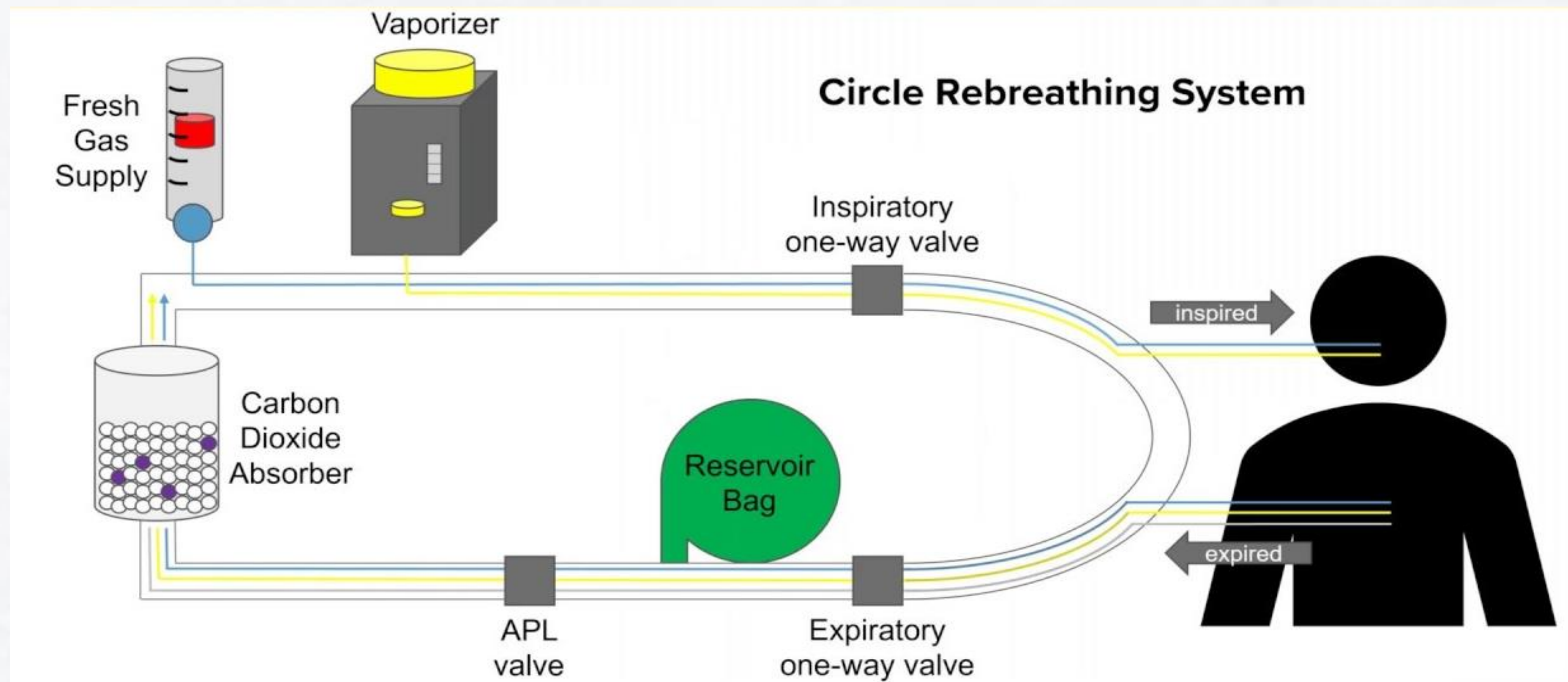


Operation :

The anesthesia machine receives medical gases (oxygen, nitrous oxide, air) under pressure and accurately controls the flow of each gas individually. A gas mixture of the desired composition at a defined flow rate is created before a known concentration of an inhalational agent vapor is added. Gas and vapor mixtures are continuously delivered to the common gas outlet of the machine, as fresh gas flow (FGF) and to the breathing system and patient.



Anesthesia Applications



Components :

