



Elmore Medical Center Foundation Annual Golf Classic Saturday, August 1, 2009



Golf Classic to Raise Funds for Acute Care Ventilator

The Elmore Medical Center Foundation hosts the Annual Golf Classic each year to raise money to support facility improvements or new equipment purchases for Elmore Medical Center and to support the growth of the EMC Foundation endowment fund which was established in 2005.

The 2009 Annual Golf Classic proceeds will be used to purchase a new mechanical ventilator for use in the Acute Care Unit. The estimated cost for the equipment is \$18,000.

In past years, the EMC Foundation has assisted with funding for the Long Term Care Unit Van, a portable bone density scanner, helipad construction, a portable digital C-arm x-ray machine, a new infant warmer and a defibrillator.

What is a Mechanical Ventilator?

A mechanical ventilator is a machine designed to mechanically move breathable air into and out of the lungs, to provide the mechanism of breathing for a patient who is physically unable to breathe, or breathing insufficiently.

Most often, a mechanical ventilator is used for a few days to help a patient breathe during a serious illness or following a surgical procedure.

Ventilators are chiefly used in intensive care medicine, emergency medicine, with anesthesia (as a component of an anesthesia machine) and in home care.

Modern ventilators are electronically controlled by a small embedded system to allow exact adaptation of pressure and flow characteristics to an individual patient's needs. Fine-tuned ventilator settings also serve to make ventilation more tolerable and comfortable for the patient. Respiratory therapists are responsible for tuning these settings.



Example of a mechanical medical ventilator