OPERATING ROOM FIRE RESPONSE PROTOCOL

Fire on Patient	Small flames or a small area:
	• Announce "Fire".
	• Pour water or normal saline on the fire slowly to prevent spreading and to extinguish the fire, if this can be accomplished safely.
	• Perform Sheet Sweet method: Lay a wet towel or sponge over the flame, place one arm over the end of the towel nearest the patient's head, and sweep the other arm over the towel and toward the patient's feet.
	• Lift the material used to smother the flame to vent heat.
	• Remove burning material from the patient.
	• Assess the surgical field for a secondary fire on the underlying drapes or towels.
	• Assess the patient for injuries.
	• Activate 6911.
	Large flames or a large area:
	• Announce "Fire".
	• Anesthesia professional to stop the flow of anesthetic gases to the patient, and disconnect the breathing circuit from the anesthesia machine.
	• If a drape is involved, remove it to the ground and roll it on itself to smother the fire.
	• Avoid moving the drape into what may be an evacuation route for the people in the OR or other procedure room.
	• Assess the surgical field for a secondary fire on the underlying drapes or towels.
	• Assess the patient for injury.
	• Verify the flames are extinguished and use a fire extinguisher if necessary.
	• Employ the PASS technique when using a fire extinguisher:
	  ▪ **P**ull the pin.
	  ▪ **A**im at the base of the fire.
	  ▪ **S**queeze the handle.
	  ▪ **S**weep from side to side.
	• Activate 6911.

Fire in Patient	Handling a fire in a patient:
	• Announce "Fire".
	• Anesthesia professional to determine the necessary actions to take to extinguish an airway fire:
	  ▪ disconnecting and removing the anesthesia circuit,
	  ▪ turning off the flow of oxygen,
	  ▪ removing the endotracheal tube and any segments of the burned tube that remain in the airway,
	  ▪ pouring saline or water into the airway,
	  ▪ re-establishing the airway, and
	  ▪ Examine the airway.
	• Assess the surgical field for a secondary fire on the underlying drapes or towels.
	• Assess the patient for injury.
	• Activate 6911.

Electrical Equipment Fire	• Announce "Fire" • Disconnect equipment from its electrical source • Shut off electricity to the piece of equipment at the electrical panel if it is not possible to remove the plug from the outlet • Shut off gases to equipment, if applicable • Assess the size if the fire and determine whether equipment can be removed from the OR or Procedure Room safely or if the room needs to be evacuated • Extinguish the fire using a fire extinguisher if appropriate • Isolate the room and call 6911 if the fire is not quickly extinguished

Evacuation of Patient
(if the room is dangerous from smoke or fire)
	Follow the RACE protocol:
	• **R**escue
	    ○ Determine the best method to remove the patient (e.g., procedure bed, gurney, carry) from the area.
	    ○ Determine the safest location to receive the patient (e.g., behind smoke barriers).
	    ○ Call for assistance.
	    ○ Remove the patient and personnel from the room containing the fire or smoke.
	• **A**larm
	    ○ Communicate to all personnel in the perioperative areas, especially personnel in the adjoining rooms.
	    ○ Call 6911
	• **C**ontain
	    ○ Close the doors to the involved room.
	    ○ Shut off medical gases to the involved room.
	    ○ Turn off electricity to the involved room.
	• **E**vacuate
	    ○ *When:* When a danger is posed to patients in adjoining areas because of fire or smoke.
	    ○ *Where*: Transfer the patients to a designated area that is beyond the first set of smoke barriers, and then to an area where the operative or other invasive procedure may be completed safely.
	    ○ *How:* Transfer patients by moving procedure beds with the patients remaining on the bed, by using gurneys, or by carrying them.

Anesthesia to direct Emergency Gas Shut off Valves Located outside of each OR/PR

Save all fire-involved materials and devices for later investigation!

LAST PERSON OUT OF ROOM: CLOSE DOOR Place tape in shape of "X" on door to alert Fire Response Personal Room is Clear- AND DO NOT REOPEN!!