ZSFG Malignant Hyperthermia Intervention Checklist

1. Discontinue Triggers (succinylcholine, inhaled anesthetics)	8. Call MH Hotline (1-800-644-9737) for additional help, as needed
2. Start TIVA (Total Intravenous Anesthesia), if anesthesia required	O O O O O O O O O O O O O O O O O O O
3. ☐ Hyperventilate 2-3 Times Predicted Minute Ventilation	9. Obtain and Monitor Labs and Studies *sample lab sheets in MH Cart*
4. □ FiO2 1.0 at 10 L/min. Keep circuit, absorber and machine.	□ ABG Kit: ABG
	Light Blue: PT/INR, PTT, Fibrinogen, D-Dimer
5. Obtain MH Cart / Call for Help / Inform OR Team	Gold Gel: BMP, CK, LDH, Myoglobin, Thyroid (TSH, Free T4, Free T3)
Designate an Anesthesia Technician to obtain the MH Cart *Anes Wkrm or 6G*	Lavender: CBC, Platelets
(VOIP phone 31022)	Grey: Lactate
Page the Anesthesia D1 or Anesthesia Night Attending (VOIP phone 30001)	☐ Urine Dipstick / Collection Cup: Hemoglobin / Myoglobin, UA
D1 to designate an Anesthesiologist as <u>Team Leader</u>	☐ Monitoring Equipment: EKG, Core Temperature
Inform Surgeons of MH emergency and to coordinate the most expeditious	10. Cool Potient to Cool Terms of 20°C wing any most ada.
surgical plan to finish the surgical procedure	10. Cool Patient to Goal Temp of 38°C using one or more methods: ☐ Cold Plasmalyte-148 IV *Anes Workroom Fridge* or *6G Med Room Fridge 6G10*
6. ☐ Administer Dantrolene 2.5 mg/kg per dose IV Push *MH Cart*	
Repeat Dose until Symptoms Subside (up to 10-30 mg/kg)	Cold Sodium Chloride 0.9% for Irrigation via nasogastric, bladder, rectal and/or open cavity lavage *Anes Workroom Fridge* or *6G Med Room Fridge 6G10*
☐ Dilute only 5 mL Sterile Water for Injection in each 250 mg vial of Ryanodex	☐ Ice Packs for external surface cooling *PACU* or *6G Kitchen 6G6*
(Dantrolene) (i.e., 75 kg patient = 1 vial Dantrolene per dose)	\square Consider calling SICU ($x69954$) for intracool catheter / cooling blanket
☐ Assign one team member to reconstitute Dantrolene	
☐ Designate one provider to administer Dantrolene via IV Push	11. Treat Acidosis (if not reversed by Dantrolene administration)
	☐ Sodium Bicarbonate 8.4% IV 1-2 mEq/kg *Crash Cart*
7. Team Leader to Designate Roles and Responsibilities	☐ Ensure adequate minute ventilation
☐ Designate an Anesthesia Provider to manage vent and anesthesia	
☐ Designate <u>Circulating RN as Lead Nurse</u> . Lead RN to delegate RN duties	12. Treat Hyperkalemia and Associated Dysrhythmias
and to call OR Front Desk ($x68134$) to notify the following:	☐ Calcium Chloride 10% IV 10 mg/kg *Crash Cart*
\square Overhead Page OR to request for help in the MH crisis ($x68134$)	Avoid Calcium Channel Blockers
\square Call PACU (x68127) to bring 4 large plastic bags of ice	Sodium Bicarbonate (above) *Crash Cart*
\square Page the AOD (x63519) to arrange for ICU disposition	☐ Insulin IV 0.15 units/kg (or 10 units) *Anes Wkrm Fridge* or *6G Med Rm Fridge 6G10*
\square Call OR Pharmacy (x60242) to request meds as needed	HIGH ALERT / TWO PROVIDERS MUST DOUBLE CHECK
☐ Designate an Anesthesia Provider or CRNA to record the events during	Instructions: Dilute Regular Insulin 1 mL (= 100 units) in 100 mL NS Bag
the MH crisis on the MH Flowsheet *MH Cart*	(Final Conc = 1 unit/mL), then give Insulin $10 \text{ mL} = 10 \text{ units IV}$
☐ Designate a provider to insert lines (arterial line, additional large bore IV	Dextrose 50% IV 1 mL/kg *Crash Cart* Monitor serum glucose.
access), if not already present	☐ Treat dysrhythmias using ACLS algorithms *Crash Cart*
☐ Designate a separate provider to administer medications	12 Dl C C C E. l A. M A U O A
Designate an Anesthesia Technician to obtain:	13. Place or Confirm Foley to Monitor Urine Output
From the Anesthesia Workroom (phone 31022)	☐ Aggressive hydration. Ensure UO of at least 2 mL/kg/hr.
☐ Syringe Pump, Spiked IV, Triple Lumen CVC, A-line Sets	☐ Consider diuresis with Furosemide 0.5-1 mg/kg IVP *Anes Wkrm Omni* or *6G Omni*
From the Main OR Anesthesia Workroom Refrigerator or 6G Med	14. □ Transport to ICU (and continue Dantrolene 1 mg/kg IV Push q6h)
Room Refrigerator (6G10)	17. Transport to 100 (and continue Danitolene 1 mg/kg 1v rush qon)
☐ 1L IV Plasmalyte x 3 bags	
☐ 3L NS for Irrigation x 1 bag	The MH response <u>must</u> be documented on the MH Flowsheet
☐ Insulin 10 mL vial / NS 100 mL IV Bag x 1 kit	(MH Flowsheet is found in MH Cart Drawer 2 in the Patient Care Folder)
From the Nearest Available Location	(MIT Flowsheet is found in MIT Cart Drawer 2 in the Patient Care Folder)

☐ Crash Cart

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