



*Surgically Correcting Facial Deformities
of the World's Youngest and Poorest*

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Medications and IV Fluids List

Face the Challenge is a humanitarian non-profit organization and does not sell any merchandise whatsoever. Nor do we provide any referral services for surgical supplies vendors. The supplies shown below are simply a reference list for surgical trip planning purposes.

List is enough for ~20-40 pediatric cleft & adult orthognathic and craniofacial cases. Sample suggested list including, but not limited to:

IV Antibiotics:	Quantities:
Ancef/Kefzol (cefazolin sodium), powder for inj., 1 gm/10 ml vials **Can use 1 gm for 2-3 children; many are underweight**	50-100 - 10 ml vials, if doing several orthognathic and craniofacial cases
Erythrocin (erythromycin lactobionate), powder for inj., 500 mg vials, 10 vials/box	1 box- 10 vials/box
Cleocin (clindamycin HCl) or clindamycin phosphate, 900 mg, 150 mg base/ml, vials	1 box-25 vials/box 10 vials Good for intra-oral work
Oral Antibiotics:	Quantities:
Keflex (cephalexin), 500 mg tabs or capsules/btl.	3000 tabs
Erythrocin (erythromycin stearate), coated tabs, 250 mg, 500 tabs/btl.	1 btl.- 500 tabs/btl
Ceclor (cefaclor) 250 mg tabs	20 patients, treatment for 7 days each, 250 mg 3x/day/7 days
Ceclor suspension, 250 mg/ml	20 pts. Rx x 7 days, 20 mg/kg divided dose x 7 days
Ceclor suspension, 125 mg/ml **Ceclor or Clindamycin--don't usually need both**	20 pts. Rx x 7 days, 20 mg/kg divided dose x 7 days
Clindamycin HCl, 300 mg caps, 100 caps/btl.	1 btl.
Sulfamethoxazole and Trimethoprim tabs, double-strength, 800/160 mg	100 tabs
Irrigation Antibiotics:	Quantities:
Bacitracin for inj./irrigation 50,000 units/vial *Refrigerate* **Ancef 1 gm btls. as alternative, if on back-order**	30 vials-desired
Topical Antibiotics:	Quantities:
Triple Antibiotic oint. (polymyxin B sulfate, bacitracin zinc, neomycin sulfate), 1/32 oz pkts., 144 pkts./box	1 box- 144 pkts./box
Local Anesthetics:	Quantities:
Lidocaine HCl, 1.0% with Epinephrine 1:100,000, 30 ml	50-100 vials- 25/box 2-4 boxes

Marcaine (bupivacaine HCl) for nerve block, 30 ml and 50 ml MDV, 0.5% soln. w/ Epinephrine 1:200,000	10-20 – 30 ml vials
Lidocaine HCl, 2.0% without Epinephrine for infiltration and in nerve block, 20 mg/ml, 20 ml MDV	25 MDVs
Lidocaine HCl jelly, 2.0% for topical use, 30 ml	2- 30 ml tubes
Xylocaine-MPF (methylparaben free), 1.0% inj, 10 mg/ml, 5 ml	2- 5 ml amps
Skin Marking Agent:	Quantities:
Methylene blue, 1%, inj, 10 mg/ml, 10/box	2 btl.
Pre-Operative Medications Sedative/Anxiolytic/Amnestic:	Quantities:
Versed (midazolam HCl), 1 mg/ml, 10 ml vial, \$3.61/vial **Controlled substance; no pre-operative holding areas exist**	10- 5 mg/ml &/or 10 ml vials
Anti-Cholinergic/Anti-Arrhythmic To Diminish Secretions & Block Cardiac Vagal Reflexes:	Quantities:
Atropine sulfate, 1 mg/ml vial, ~\$0.95/vial **Used rarely; may be needed for bradycardia in infants**	10 vials- 4 mg/10 ml vial
IV Induction Agents/Medications: <i>Autonomic (ANS)/Neuro-Muscular Blockers</i>	Quantities:
Anectine or Quelicin (succinylcholine Cl), 20 mg/ml, 10/box, 10 ml MDVs, ~\$29.98/box, ~\$2.99/vial **Very short-acting depolarizing muscle relaxant** **Refrigerate**	10-20- 20 mg/ml vials
Tracrium (atracurium besylate), 10 mg/ml **Less- desired med** . or Nimbex (cisatracurium besylate), 2 mg/ml, 10x10 ml, ~\$193/box **Refrigerate** **Atracurium or cisatracurium are less likely to need reversal agents than vecuronium or rocuronium**	30- 2 mg/ml vials **Team might be using a lot of LMAs, but some facial surgeons prefer low-profile airways**
Norcuron (vecuronium bromide), -or- Zemuron (rocuronium bromide), each 10 mg/ml For either med: **Refrigerate** **Needs reversal agent** Is intermediate-acting and an adjunct to anesthesia for endotracheal intubation	5- 10 mg/ml vials
Nimbex (cisatracurium besylate), 2 mg/ml, 10 x10 ml MDVs, ~\$193/box **Refrigerate at 2-8C (36-46F)** **Are non-depolarizing skeletal muscle relaxants with intermediate onset and duration. Less likely to need reversal agents than Norcuron or Zemuron**	30- 2 mg/ml vials
<i>Sedatives/Hypnotics</i>	Quantities:
Diprivan (propofol), 1%, inj., oil emulsion, 200 mg/20 ml btl., 10 mg/ml, ~\$3.83/20 ml btl. ** Store @ 40-72 degrees F** **Include enough 20 cc bulb syringes for anesthesia use**	20-30- 20 ml btl. **Most children will have inhalation inductions**
IV Induction Agents/Medications: <i>Cholinergic Blocker</i>	Quantities:
Robinul (glycopyrrolate), 0.2 mg/ml, 1 ml vials, 25 vials/box, ~\$21.49/box , or 5 ml MDVs **Used pre-operatively to diminish secretions and block cardiac vagal reflexes**	1 box (25/box) - 1 ml vials or 15 MDVs
Inhalation Agents:	Quantities:

Halothane soln., inhal., 250 ml **"Induced with halothane. . ."	4-6- 250 ml btls Purchase/use supply in-country
Ultane (sevoflurane), inhal. btl, used in combination with other inhal. agents. **Need vaporizer**	4-6- btls. Purchase/use supply in-country
Forane (isoflurane), inhal, 100 ml, **" ... maintained with Forane."** **If separate vaporizer exists just for Forane, it will probably be used more. Forane may be the anesthetic of choice for longer cases due to less myocardial irritation, but not as an agent for inhalation inductions.**	4-6- btls. Purchase/use supply in-country
Reversal Agent: Post-Operative Narcotic-Induced Respiratory Depression:	Quantities:
Narcan (naloxone HCl), 4 mg/10 ml or 400 mcg/ml **Keep from light**	5-10- 1 ml SDVs vials
Romazicon (flumazenil) 0.1 mg/ml in 5- and 10-ml MDVs, reversal agent for Sublimaze (fentanyl)	2 10 mL MDVs
Antidote for Nondepolarizing Neuromuscular Blockers:	Quantities:
Prostigmin (neostigmine bromide or neostigmine methylsulfate), inj., 1:1000, 10 ml MDVs, 1 mg/ml **Used in conjunction with Robinul to reverse muscle relaxants** **Refrigerate**	4- 10 ml vials
To Prevent/Attenuate Malignant Hyperthermia:	Quantities:
Dantrium (dantrolene Na), 20 mg/vial, 1 mg/kg IV push, up to cumulative dose of 10 mg/kg. **Costly** **Seek charitable in-kind donation from manufacturer** **Teams need to know where ice is stored.**	
Braun Multi-Ad Fluid Dispensing System, x1	X1 system
Anti-Hypertensives/Anti-Anginals:	Quantities:
Apresoline (hydralazine HCl), 20 mg/ml, 1 ml vial, IV inj. q 15-20 min. peripheral vasodilator	5- 1 ml vials
Trandate (labetalol HCl), 100 mg/20 ml, MDV	20- 20 ml MDVs Include extra for in-country anesthesiologists
Inderal (propranolol), 5 mg/ml, total 100 mg, IV inj., 1-3 mg slow IV inj.	5- 1 ml vials
Tenormin (atenolol), 50 mg tabs, 100 tabs/btl	1 btl- For patients who are hypertensive prior to surgery and on post-operative ward
Emergency Medications: <i>Ventricular Anti-Dysrhythmic</i>	Quantities:
Lidocaine (xylocaine HCl) 2% plain, for cardiac effect, 20 mg/ml, 100 mg/5 ml, mini-jet pre-filled syringe	2- 100 ml bristojets or 10- 30 ml vials
<i>Bronchospasm, Hypersensitivity Reactions, Anaphylaxis</i>	Quantities:
Epinephrine 1:1000, 30 ml, multi-dose vial (MDV), 1 mg = 1 ml of 1:1,000 soln **Some prefer to use 1 ml vials**	2 vials
EpiPen, 0.3 mg auto injecting pen	2 – For OR/PACU + Team Emergency Bag
<i>Treatment for Hypocalcemic Emergency</i>	Quantities:

Calcium chloride, 10% inj., 1 g (100 mg/ml), represents 27 mg (1/4 mEq) Ca ⁺⁺ /ml, unit of use syringe	2 unit of use syringes
<i>Treatment for Hyperglycemia or Malignant Hyperthermia</i>	Quantities:
Humulin R Insulin, 100 u/mL, 10 mL vial	
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<i>Treatment for Hypoglycemia</i>	
Dextrose Bristojet with 18 ga needle, 50%, inj., 25 gm, 0.5 g/ml, 50 ml	4 bristojects (25 gm/50 ml)
<i>Treatment for Metabolic Acidosis</i>	Quantities:
Pediatric sodium bicarbonate bristojet, 8.4%, 10 ml syr, 1 mEq/kg, IVP over 1 minute **Avoid concurrent use with catecholamines or calcium** **Clear IV tubing after each dose**	2 bristojects
Diuretics:	Quantities:
Lasix (furosemide), IV, 20 mg/2 ml SDVs, 10 mg/ml	1 box (25/box)- 20 mg/ml vials
Bronchodilators:	Quantities:
Albuterol sulfate, inhal. soln., 0.083%, 3 ml, 25/box, ~\$6.04 **For "croupy pediatric patients" in recovery room**	1 box (25/box)- 5 for anesthesia, rest for PACU 2 boxes- 30- 3 ml each 1 box
Brethine (terbutaline sulfate), aerosol inhaler: 200 mcg/metered spray, or 1 mg/ml inj., **Optional medication, depends on team members' preference**	--
Racemic epinephrine w/normal saline, 2.25%, 1/2 oz. btl, S-2 nebulizer inhaler, sterile unit-of-use vials, 30/box **For croupy pediatric patients in PACU, to decrease mucosal edema post-intubation** **Need nebulizers for administration**	4- 1/2 oz. btls + nebulizers
Alpha-Beta Agonist:	Quantities:
Phenylephrine HCl, 1%, 10 mg/ml inj., 1 ml SDV	5- 10 mg/ml vials
Pretz-D (ephedrine sulfate), 50 mg/1 ml single dose vial (SDV), **To correct hypotension and/or cause bronchodilation and nasal decongestion**	2-3 vials
Nasal Decongestants/Moisturizers:	Quantities:
Neo-Synephrine (phenylephrine HCl), 1/2 fl oz (15 ml) btl, 12-hr nasal spray	5 btls.
Afrin (oxymetazoline HCl), 0.05% soln., 1/2 fl oz btl, nasal spray	5 btls.
NaSal saline moisturizer non-medicated spray, 1 fl oz btl	10 btls.
Antihistamine:	Quantities:
Benadryl (diphenhydramine HCl), inj, 1 ml, 50 mg/ml	~25 vials (50 mg/ml)
Steroids:	Quantities:
Decadron (dexamethasone sodium phosphate), for peri-operative swelling, 10 mg/ml, or 120 mg/30 ml = 4mg/ml in 5 ml MDVs (10 mg/pt)	1 mL vials x 30, + 10 mL vials x 4, 60-80 - 30 ml vials **Larger quantity preferred; used for most

	facial cases** **"A lot" for ~20 orthognathic procedures; average patient needs 12 mg x 3 doses**
Kenalog-40 (triamcinolone acetonide), susp., inj., 200 mg/5 ml minimize patients' keloid scarring**	**To 2-4 btl
Anti-Nausea/Anti-Emetics:	Quantities:
Phenergan (promethazine HCl) Adults 12.5 mg to 25 mg po, IM, PR q 4-6 hrs prn, Children 12.5 mg po or PR q 4-6 hrs prn, **Refrigerate supps.**	25- 25 mg/1 ml inj. dosette vials
Zofran (ondansetron HCl), 2 mg/ml, 2 ml single dose vials, 5 vials/box (20 doses) or 10 vials/box; also in 4 mg vials 1 box (5 vials/box)	20-30 vials
IV Narcotics: <i>(Schedule II-Need MD-Signed with DEA # on DEA Order Form 222)**Waste unused narcotics and document such action before returning to the U.S.**</i>	Quantities:
Sublimaze (fentanyl citrate), 0.05mg/ml, 5ml/vial	30 vials (10/box)
Morphine sulfate, 10 mg/ml, 1 ml amp	25-50 vials (25/box)
Oral Narcotics:	Quantities:
Acetaminophen with codeine phosphate, tabs, 100/btl.,	2-3 btl (200-300 tabs) for ped. cases
Acetaminophen with codeine phosphate, (5 ml = 120 mg acetaminophen and 12 mg codeine), 1 pt/480 ml elixir C5, for pediatric pre-operative treatment	4 btl. "Handy for all"
Lorcet Plus (hydrocodone bitartrate 7.5 mg/acetaminophen 650 mg), tabs, 100/btl **Costly** **Other option is Percocet (oxycodone/apap) ~60 tabs, 1 q 4-6 h	2 btl- Preferred for post-op pain management for orthognathic cases; less costly
Non-Narcotic Analgesics:	Quantities:
Toradal (ketorolac tromethamine), 30 mg/1 ml vials **10 mg ketorolac = ~6 mg MSO4 w/o apnea** **Use cautiously due to bleeding tendencies**	3 boxes- (10 vials/box-30 mg/vial)
Ibuprofen, 200 mg tabs, 1000 tabs/btl.	2-4 btl. (100/btl), 200-400 tabs
Acetaminophen, Pediatric Elixir, 1 pt./480 ml	1 btl
Acetaminophen, 500 mg tabs, 1000/btl.	1 btl.- 1000 tabs; "sometimes used"
Acetaminophen supp. (120 mg, 325 mg, 650 mg) 12/box **Refrigerate** **Doses are suggested as initial doses of 20-40 mg/kg at the start of cases**	12-36- 120 mg 12-36- 325 mg 12-36- 650 mg
Acetaminophen, ped., small btl., for discharge	Optional
Ibuprofen oral suspension, 100 mg/5ml, give at 10 mg/kg every 6-8 hours	24 btl.
Multi-vitamins: <i>(Patients are generally malnourished, with protein-deficient anemias</i>	Quantities:

and folic acid deficiencies)

Pediatric

Please make sure that the patients and/or families demonstrate understanding about appropriate self-dosing before distributing btl. of vitamins

If space/weight allow, chewable tabs.; check with AmericaresFoundation.org

Adult

Please make sure that the patients and/or families demonstrate understanding about appropriate self-dosing before distributing btl. of vitamins

If space/weight allow, pre-natal and general adult vitamins; check with AmericaresFoundation.org

Lubricants:

K-Y Jelly, sterile, 4 oz tube

Quantities:

2-4 tubes

Lacri-Lube (lanolin/mineral oil/petrolatum, ophthalmic), 3.5 gm tube

10 tubes

Intravenous Fluids:

(May prefer to purchase in-country)

Quantities:

Lactated Ringer's Solution (LR), preferred, but also D5W, and/or Normal Saline, 500 ml

Bring 1-500 ml bag for Team Emergency Pack

GHR 8/14