**Global Healthcare Conference 2018**

**Structured Interdisciplinary Bedside Rounds - Status Asthmaticus Case**

7-year old female with status asthmaticus admitted overnight at 10:15 p.m.

**Past Medical History**– Moderate persistent asthma; 4th hospitalization for asthma in the last year; last admission was 2 months ago, she has never been intubated before. No known allergies to substances, food or medications. Has history of eczema. Parents deny that they smoke. Only pet is a small lizard. Asthma triggers are unknown.

**Home Medications:** Beclomethasone 80mcg bid, Albuterol (Salbutamol) 180mcg (2 puffs) q 4 hrs prn.

**Family history**: 29-year old father had severe asthma as a child but is doing well as an adult, not on any medications.

It is hospital day 2 -

Weight: 22 Kg

**Vitals:** T 98.7˚F, HR 135 – 155/min, Systolic BP 85 – 111 mmHg, Diastolic BP 47 - 65 mmHg, RR 37 – 46/min, SpO2 89 – 97% on 3L/min O2.

**Overnight events:** Had coughing episodes with occasional desaturations to low 90s that required titrating O2 overnight.

Magnesium sulfate given x 1 last night

Admission CXR – perihilar opacities and RUL atelectasis, flattening of the diaphragms, hyperinflation bilaterally.

***Physical exam***

Alert, cheerful young girl with tremors, nasal congestion, shortness of breath, nasal cannula in place, nasal flaring, difficulty completing a sentence but able to play on her iPAD, acyanotic, well hydrated

HEENT: PERLA, EOMI, non-tender cervical lymphadenopathy, ear drum-pinkish grey, translucent

Chest/lungs: tachypneic, use of accessory muscles – subcostal retractions, decreased air entry in the RUL, generalized expiratory wheezes. Had coughing episodes when asked to breathe deeply during the physical exam.

CVS: tachycardic, hyperdynamic precordium, normal S1 and S2, 3+ pulses, cap refill 2s

Other part of physical exam – essentially normal

**Labs:** Respiratory Viral Panel – positive for Rhinovirus

**Inpatient Medications:** Dextrose 5% 0.45 Saline, with 30meq/L KCl at 64ml/hr

Methylprednisolone 40mg IV q 8

Albuterol (Salbutamol) 20mg/hr continuous nebulization

Acetominophen (Paracetamol) prn for fever