









NYU-Bellevue Medical Center

Hospital closed, and 600 patients had to be evacuated • 20 NICU babies • 5-6 on ventilators



NYU-Bellevue Medical Center

Vent patients were especially labor intensive to move; RTs needed help. National Guard, EMTs, RNs, Bellevue MDs all chipped in. Large flexible sheets of plastic with handles were used to carry patients. A portable ventilator for each patient (RTs), along with I:Vs, etc. (RNs) Flashlights were used when power went out.



NYU-Bellevue Medical Center

Emergency services from NYC and FEMA really came through: • Materials Management: "Just tell us what you need."

• RTs: "We're running out of backup H cylinders and regulators."

Within a couple of hours, a truck pulled up with cylinders, regulators, etc.
"The national guard asked me where to bring the cylinders, and they hand carried them up 8 and 10 flights to the ICUs"



NYU-Bellevue Medical Center

Forays by RTs who were supposed to be resting to secure food and drink **Nobody** thought only of themselves

Managers laid out their own money to insure staff had food and drink beyond what hospital could provide

One RT whose family owned a Chinese takeout restaurant in Brooklyn had her dad prepare and bring food for the staff.



NYU-Bellevue Medical Center

RTs made sure all ventilated patients were managed properly and transitioned smoothly to emergency vehicles. "We rediscovered the value of maintaining paper charting for backup." Not a single patient went without ventilation or oxygen!





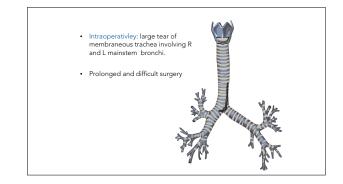






Diagnosis

- Lacerated Liver
- Bilateral Pneumothoraces
- Subcutaneous Emphysema
- Tracheal Tear



Mechanical Ventilation

- · Ventilation extremely difficult both intra- and post-operatively
- Extremely poor compliance vs. pulmonary airleaks
- HFOV (Sensormedics 3100)
- 4-6 Hz, 20-70 Amplitude
- failed with $\mathsf{PCO}_2 = 285$ and $\mathsf{pH} = 6.65$

Mechanical Ventilation

- Other modes attempted with Siemens Servo 300 C
- PRVC: V_T < 10 cc/kg, PEEP = 5, Rate = 25-35 Result: PIP > 60
- Pressure Control: PIP = 35-40, Rates up to 140 Result: $V_T \sim 25 \ cc$



Dr. Joe LaSpada Peds Intensivist



	HFJ Settin	
Rate:	420	240
PIP:	50	40
CV Rate:	30	CPAP
PEEP/CPAP:	10	14













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· 26-weeker born as power was being restored · EMS used Air Trans van, designed for

non-critical transport Wendy bagged during transport

· "I talked to the baby the whole way."

Marilyn and Brian Hyndman





work!"

200 They drive Brian's 4x4 truck through pitch black darkness in the middle of the storm, around fallen trees, and through barely passable streets

Arrive an hour later.

Marilyn, nudging semi-concious
Brian: You have to drive me to
for 26 weeker just born

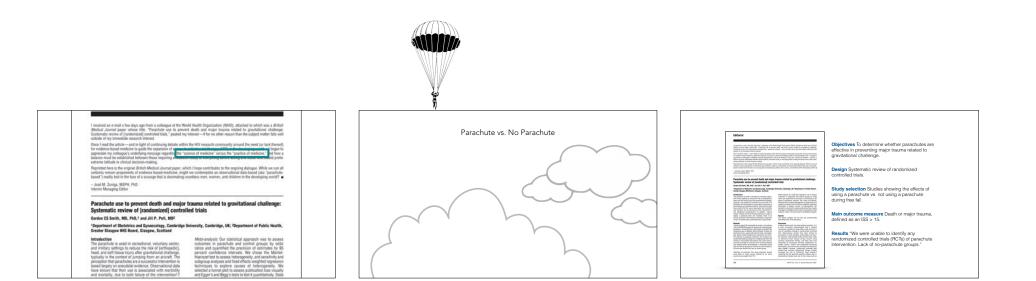


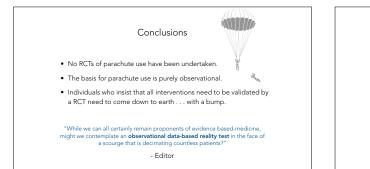












RCTs are INFINITELY Important

"RCTs prove the concept, but intuition creates the concept."

Royal Columbia Neonatologist

The Problems with Meta-Analytics



Doctors

"The more N, the better!"

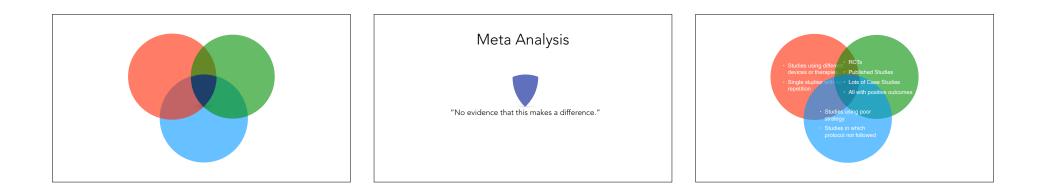
"Evidence-Based Medicine"

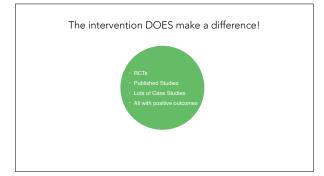
Doctors

"There is no evidence-based medicine that your idea makes a difference . . ."

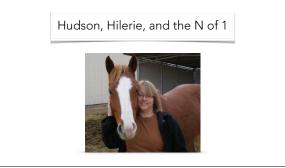
"... according to a meta analysis."

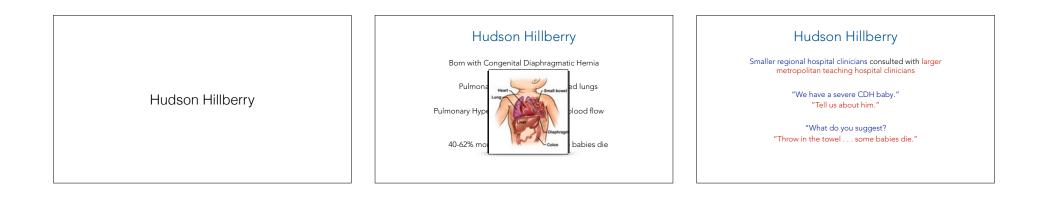






Now . . . the last story

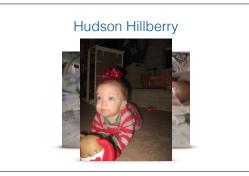




"You know us, Evan. We never throw in the towel... unless we've run out of hope"

- Hilerie King, RRT







Hudson Hillberry

To his parents, Hudson is all the evidence they need that RT intuition works

To us, Hudson is all the evidence we need to know that RTs can make a difference . . .

N of 1 can be powerful

