

Tripledemic among young children: RSV

Panit Takkinsatian, MD

Department of Pediatrics, Faculty of Medicine
Srinakharinwirot University

Outlines

- Case study
- Epidemiology and burden of RSV in children
- RSV diagnostic test: is it worth testing?
- Strategies for treatment and care: role of ribavirin
- An update on RSV prevention through maternal vaccination and monoclonal Ab



Case study: An 8-month-old boy with dyspnea

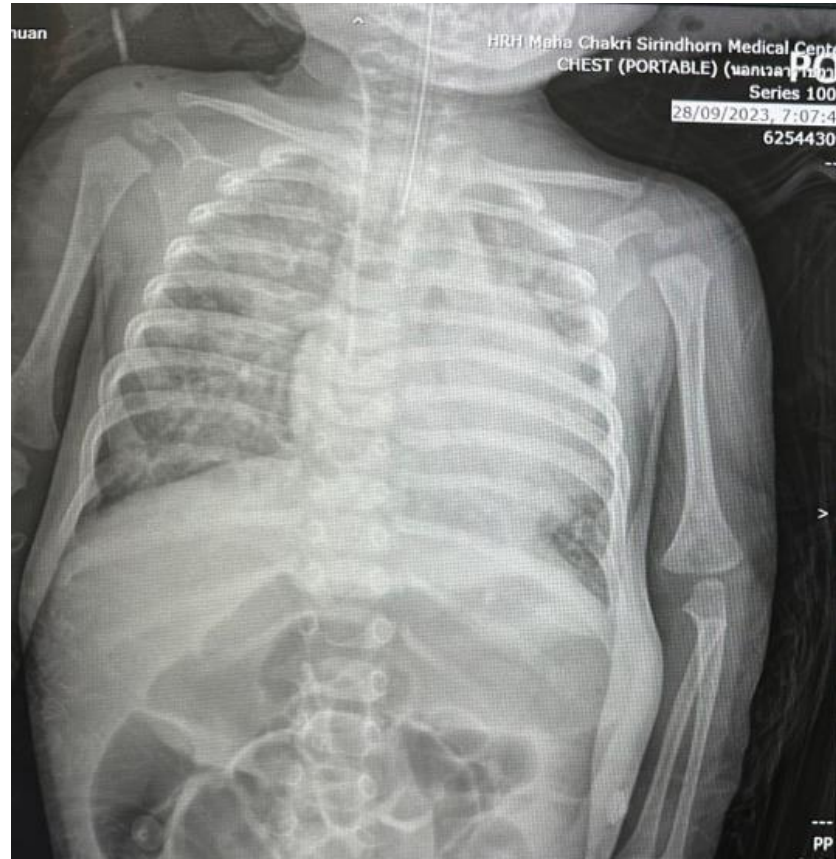
History:

- 3 days before admission, He had fever and running nose and developed shortness of breath on the day of admission.
- Nasal swab for RSV was positive at clinic.
- U/D: down syndrome and AVSD on furosemide, spironolactone and digoxin

PE:

- BT 39.7°C, HR 178 bp, RR 60/min, BP 75/42 mmHg, SpO2 80% RA
subcostal retraction, coarse crepitation and wheezing BL

Pulmonary hemorrhage (DOA 6, 20)



Clinical summary

- Pulmonary hemorrhage x 2 episodes
- Congestive heart failure
- On ventilator: 27 days
- ICU admission: 31 days
- Hospital admission: 58 days

ATB:

- Cefotaxime x 3 days
- Meropenem x 21 days
- Sulbactam x 16 days
- Colistin x 16 days
- Vancomycin x 7 days

