

# BRUE

## Definition

Age < 1 yr AND > 1 of the following:

Absent, decreased or irregular breathing

Cyanosis or pallor

Change in tone

Altered responsiveness



## Low risk criteria

- ☒ Age > 60 days
- ☒ Born >= 32 wks GA + corrected GA >= 45 wks
- ☒ No CPR by trained provider
- ☒ Event < 1 min, first event
- ☒ No concerning H&P

## Disposition

Some low risk patients can be observed on CR monitor in ED for 1-6 hrs with 2 feedings

vs

Admit for CR monitoring for 6-24 hrs through 2 feeds, sleep and awake states

Always discharge with CPR training and PMD follow-up

## Diagnostic Evaluation/Work-up

	Cardiac	Neurologic	Respiratory	Infectious	Nutritional/feeding	Trauma
H&P	(1) Family hx of long QT, sudden cardiac or unexplained death, sibling SIDS/BRUE (2) New murmur	Eye deviation, unresponsiveness, or rhythmic movements	(1) Paroxysmal cough, pertussis exposure (2) Wheezing, tachypnea (3) Stridor	Fever or toxic appearance	(1) Failing growth percentiles (2) Choking/gagging with feeds, significant reflux	(1) Abnormal bruising or bleeding (2) Bulging fontanel, HC > 95% or increasing
Work-up	(1) Cardiology consult and EKG (2) EKG, CXR, consider cardiology consult	Neurology consult, consider EEG	(1) CBC, pertussis PCR, precautions (2) Treat bronchiolitis (3) ORL involvement	CBC, cultures, CXR as indicated	(1) Check NBS, FTT eval (2) Consider feeding team evaluation	(1) NAT evaluation (2) Evaluation for increased ICP

**!** NOT a BRUE: clear explanation of event (choking, trauma, ingestion, comorbidity)