1. acetaminophen

* indications :
  + older than two years of age
  + in mild to moderate discomfort ( 2 – 5 on FACES scale)
* adverse effects:
  + none
* precautions:
  + none
* contraindications:
  1. head injury
  2. hypotension
  3. administration of acetaminophen or medications containing acetaminophen within the previous 4 hours
  4. inability to swallow or take medications by mouth
  5. respiratory distress
  6. persistent vomiting
  7. known or suspected liver disease (including patient suspected of current alcohol ingestion)
  8. allergic to acetaminophen
  9. less than two years of age
* dosage:
  + 2 to 4 years: 1 x 160 mg
  + 5 to 12 years: 2 x 160 mg
  + >13 years: 4 x 160 mg

1. activated charcoal

* indications:
  + poisoning by mouth
* adverse effects:
  + may indirectly induce vomiting and cause nausea
* precautions:
  + none
* contraindications:
  + altered mental status
  + patients who have received an emetic
* dosage:
  + 1 g/kg

1. albuterol

* indications:
  + signs/symptoms of respiratory distress
  + bronchospasm/wheezing associated with
    - asthma
    - chronic bronchitis
    - emphysema
    - allergic reactions (anaphylaxis)
* adverse effects:
  + tachycardia/palpitations
  + hypertension
  + angina
  + nervousness/anxiety
  + tremors
  + dizziness
  + headache
  + sweating
  + nausea/vomiting
  + sore throat
* precautions
  + make a severe bronchospasm from repeated excessive use
  + patient must have their own physician prescribed handheld aerosol inhaler
* contraindications:
  + inhaler not prescribed for patient
* dosage:
  + adult: patient received maximum of two doses for puffs over 30 minute.
  + Pediatric: two doses for puffs over 30 minute.
  + Additional doses may be administered with medical consultation

1. aspirin

* indications:
  + acute coronary syndrome
  + and/or STEMI
* adverse effects:
  + heartburn
  + nausea and vomiting
  + wheezing
* precautions:
  + G.I. bleeding and upset
* contraindications:
  + known hypersensitivity
  + received a full dose (324 mg) prior to EMS arrival
  + is a child
* dosage:
  + 324 or 325 mg

1. epinephrine

* indications:
  + moderate to severe allergic reaction of the respiratory duress or mild allergic reaction with history of life-threatening allergic reaction
  + patients with severe asthma
* adverse effects:
  + tachycardia/palpitations
  + angina
  + headache
  + nausea/vomiting
  + dizziness
  + hypertension
  + nervousness/anxiety
  + tremors
* precautions:
  + medical consultation must be obtained before administering manual epinephrine or autoinjector to cardiac pregnant and adult patients
  + not required for severe allergic reactions with respiratory distress
* contraindications:
  + none in the presence of anaphylaxis
* dosage:
  + 0.5 mg/mL for adult in deltoid
  + 0.15 mg/mL for pediatric in deltoid

1. epinephrine (auto-injector)

Same as above EXCEPT:

* dosage:
  + 0.3 mg/mL for adult **in lateral thigh**
  + 0.15 mg/mL for pediatric **in lateral thigh**

1. Naloxone (Narcan)

* indications:
  + respiratory depression induced by opioid/narcotic
* adverse effects:
  + opioid withdrawal
* precautions:
  + May induce opiate withdrawal in patients who are physically dependent on opioids
  + certain drugs may require much higher doses of naloxone that are currently used should be administered and titrated so respiratory effects return but not intended to restore full consciousness
  + intranasal naloxone must be administered via nasal atomizer
  + naloxone has duration of action of 40 minutes; the effect of the opioid/narcotic may last longer than no axon and patient should be encouraged to be transported
* contraindications:
  + patients < 28 days of age
* dosage:
  + adult: 2 mg, 1 mg per nostril or 4 mg / mL in one there
  + pediatric (28 days or older): 2 mg, 1 mg per nostril
  + repeat as necessary to maintain respiratory function

1. nitro

* indications:
* contraindications:
* adverse effects:
* precautions:
* dosage:

1. oral glucose

* indications:
* contraindications:
* adverse effects:
* precautions:
* dosage:

1. oxygen

* indications:
* contraindications:
* adverse effects:
* precautions:

1. dosage: