Topics & Credit Hours

- Pharmacology  1 hour
- Cardiology     1 hour
- Respiratory    1 hour
- Toxicology     0.5 hour
- Renal          1 hour
- Abdominal      1 hour
- Psychiatric    1 hour
- Shock/Resuscitation  1 hour
- Childbirth     1 hour
Size Up
Chief Complaint
Airway
Breathing
Circulation

Defib
Decision
Disability
Expose
Examine
Environment
Focused HX
GO – Ongoing Assessment
Scene Safety
Standard Precautions
MOI/NOI
# of patients
Need for Spinal Motion Restriction
Additional Resources
General Impression
GENERAL IMPRESSION

A  APPEARANCE
B  WORK OF BREATHING
C  COLOR
62 year old complaining of chest pain x 2 hours.
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
70 Year Old complaining of difficulty breathing and chest pain.
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
PUMP FAILURE?
Intra-aortic balloon counterpulsation (IABP)
28 year old difficulty breathing
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
Asthma

Normal airway

- Muscle
- Normal airway lining

Asthma

- Tightened muscle
- Inflamed lining

Sever Asthma

- Severe tightened muscle
- Excess mucus
- Inflamed lining
EpiPen 2-Pak®
Epinephrine (Epinephrine) Auto-Injectors 0.3 mg
Each case contains: Two yellow EpiPen® Auto-Injectors
One grey Trainer

EpiPen Jr 2-Pak®
Epinephrine (Epinephrine) Auto-Injectors 0.15 mg
Each carton contains: Two green EpiPen Jr® Auto-Injectors
One grey Trainer

Rx only.
30 year old female complaining of rapid onset difficulty breathing driving home from lunch.
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
31 year old female complaining of sudden onset of chest pain with difficulty breathing.
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
PULMONARY EMBOLISM
V/Q MISMATCH
Anyone can get pulmonary embolism. The risk factors are:

- prolonged bed rest or inactivity
- oral contraceptives (birth control pills)
- surgery
- pregnancy – before, during and after delivery
- cancer
- Stroke or heart attack
- heart surgery
- fractures of the hips or femur
- previous deep vein thrombosis
54 year old male
altered mental status.
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
Cincinnati Prehospital Stroke Scale

**Facial Droop**

*Instruction:* Ask patient to smile

- **Normal:** Both sides of face move equally
- **Abnormal:** One side of face does not move as well

**Arm Drift**

*Instruction:* Ask patient to close eyes and extend both arms straight out for 10 seconds

- **Normal:** Both arms move the same or not at all
- **Abnormal:** One arm does not move or drifts down

**Speech**

*Instruction:* Ask patient to say “You can’t teach an old dog new tricks.”

- **Normal:** Patient says correct words without slurring
- **Abnormal:** Patient slurs words, says wrong words, or is unable to speak

Smoke inhalation from house fire
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
Aldehydes, acid gases, sulfur dioxide, nitrogen oxides, polycyclic aromatic hydrocarbons (PAHs), benzene, toluene, styrene, metals and dioxins.

Do You Have One of These?
HCN & CO
"THE TOXIC TWINS"
- Size Up
- Airway
- Breathing
- Circulation
- Decision
- Defib
- Disability
- Diagnostics
- Expose
- Examine
- Environment
- Focused History
- Go/Ongoing Assessment
22 year old possible overdose
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
Unconscious in back yard after spraying roses
- Size Up
- Airway
- Breathing
- Circulation
- Decision
- Defib
- Disability
- Diagnostics
- Expose
- Examine
- Environment
- Focused History
- Go/Ongoing Assessment
SLUDGEM
• Salivation
• Lacrimation
• Urination
• Defecation
• Gastrointestinal upset
• Emesis
• Miosis

DUMBBELS
• Diarrhea
• Urination
• Miosis/muscle weakness
• Bronchorrhea
• Bradycardia
• Emesis
• Lacrimation
• Salivation/sweating
• Miosis: excessive constriction of the pupil.
• Mydriasis: dilation of the pupil.
• Anisocoria: one pupil being more dilated than the other.
65 year old C/O difficulty breathing that has gotten progressively worse over past 6 hours. It woke him from sleep.
• Size Up
• Airway
• Breathing
• Circulation
• Decision
• Defib
• Disability
• Diagnostics
• Expose
• Examine
• Environment
• Focused History
• Go/Ongoing Assessment
22 year old C/O pain and swelling in his legs and has been nauseous and vomited twice.
- Size Up
- Airway
- Breathing
- Circulation
- Decision
- Defib
- Disability
- Diagnostics
- Expose
- Examine
- Environment
- Focused History
- Go/Ongoing Assessment
Rhabdomyolysis

Muscle tissue breakdown with release of intracellular contents (myoglobin) into circulation

Elevated creatine kinase (CK) levels

Dark, reddish brown urine due to myoglobinuria

Myoglobin

Muscle pain and weakness due to trauma

Myoglobin may occlude the structures of the kidney and break down into toxic compounds leading to acute tubular necrosis or acute renal failure

www.medcomic.com

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