

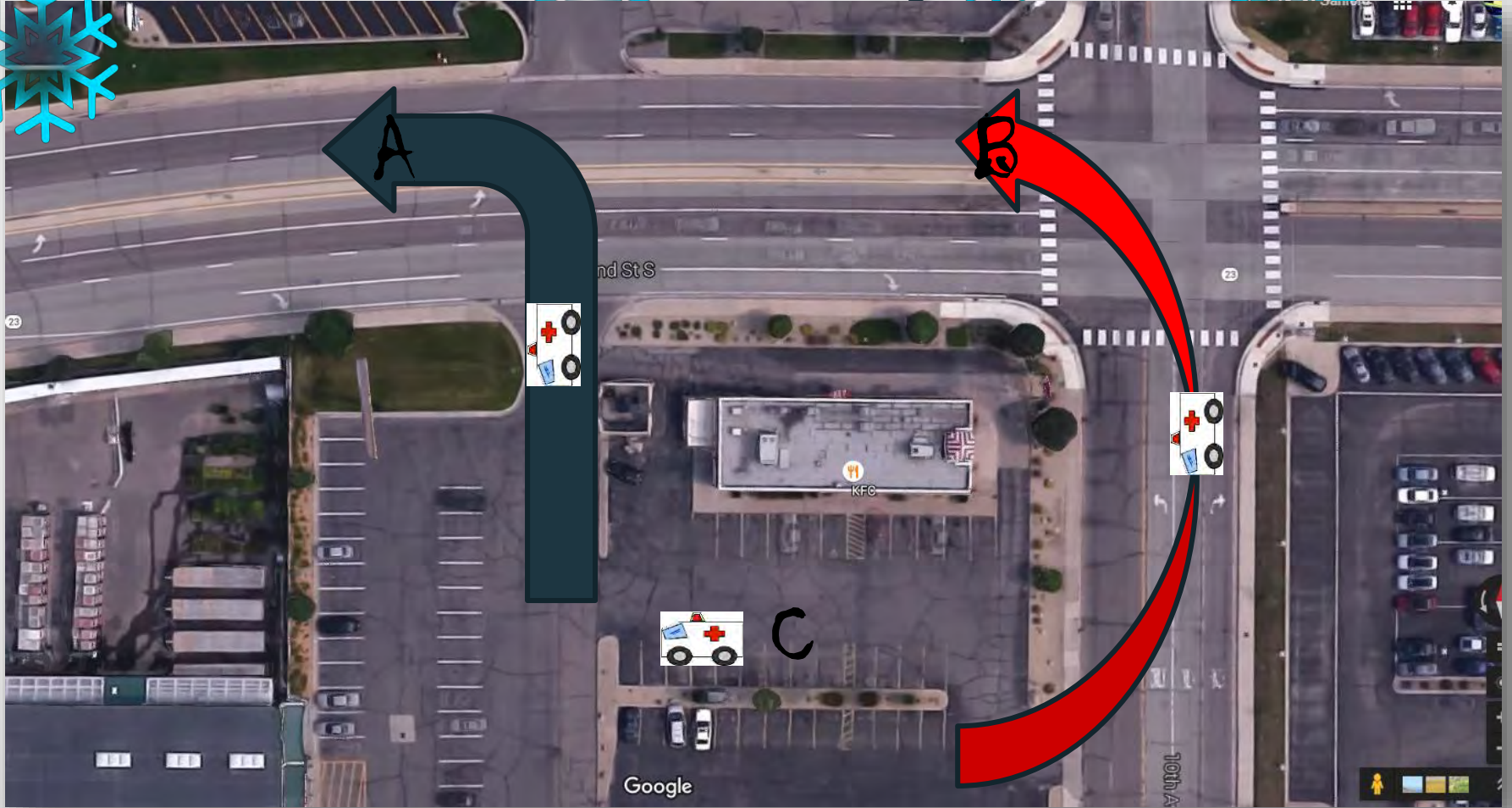
Lessons Learned for a Safer Shift

Katy Kressin NRP, FPC
Outreach Coordinator
Sanford AirMed

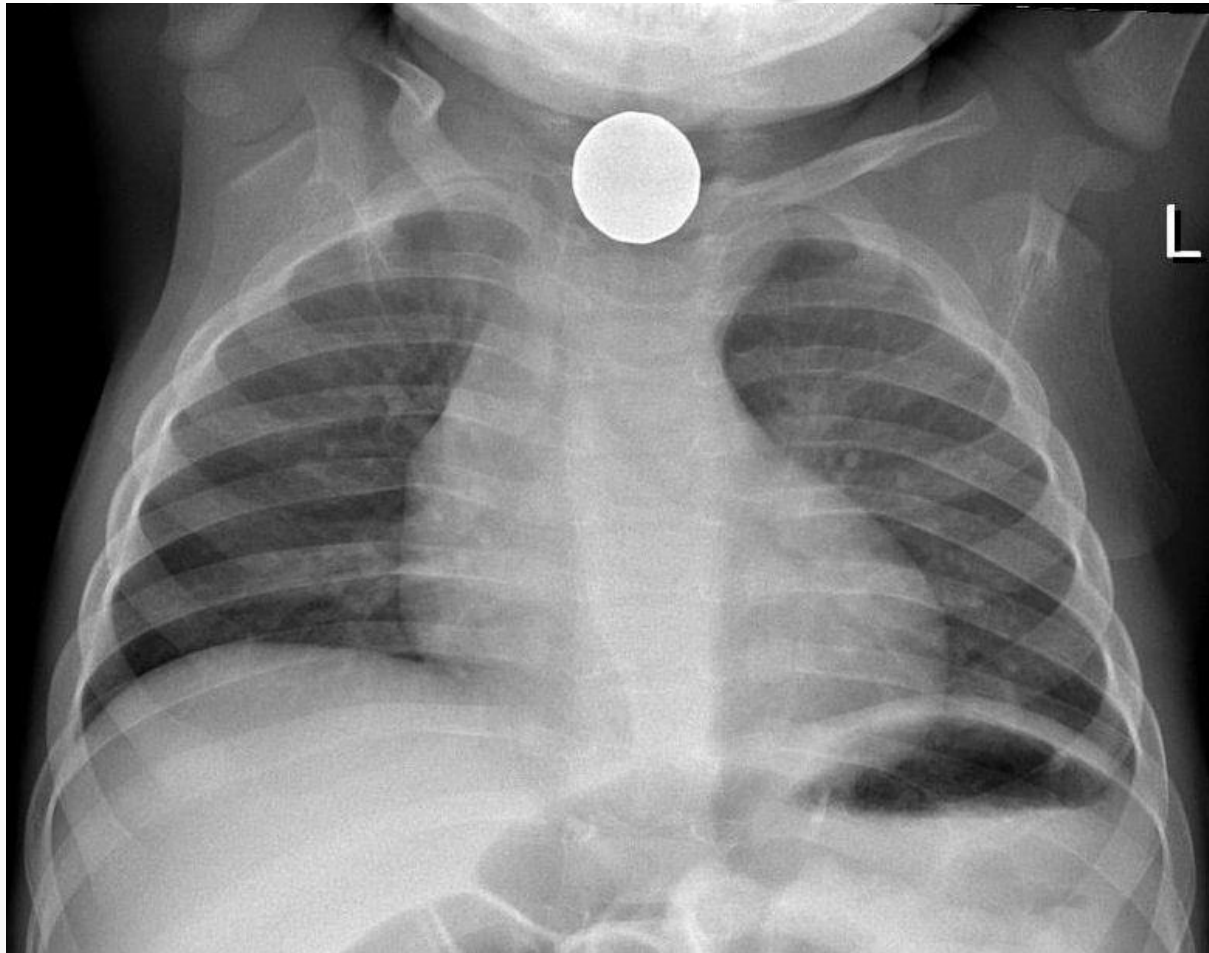
What would you do?



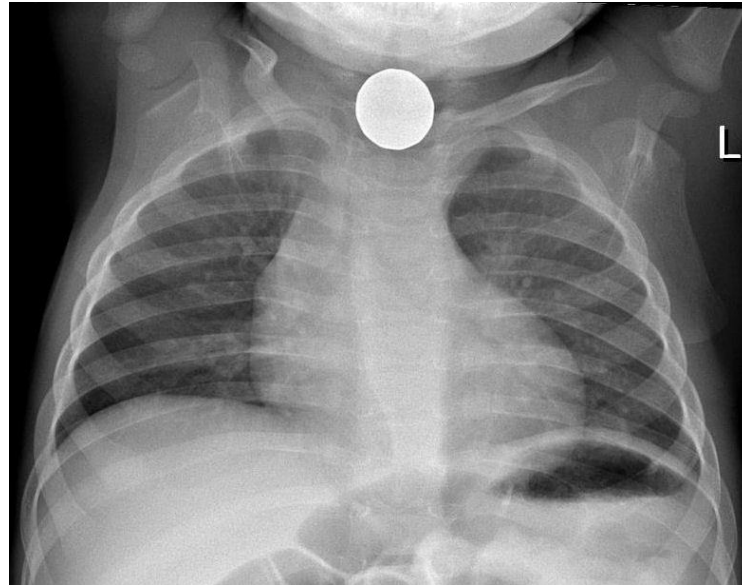
What would you do?



What would you do?



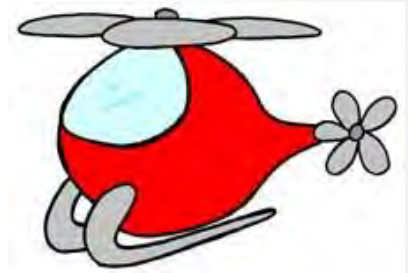
What would you do?



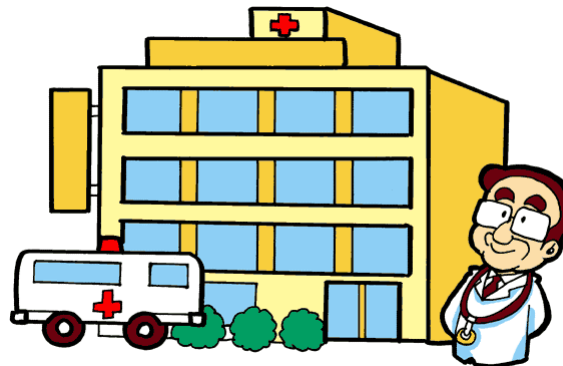
A



B



C



What would you do?

**SERVICE
ENGINE
SOON**



**CHECK
ENGINE**



What would you do?

A



B



C



What would you do?



What would you do?



A



B



C



safety

teamwork

Errors

situation awareness

CREW RESOURCE MANAGEMENT

Critical decision making

task allocation

Communication skills

debrief

Communication Skills

- Communication is the key to success in any endeavor.
- Misunderstandings lead to errors and mistakes

Communication fail



**TEAM
WORK**



Antidotes to Hazardous Behaviors

ANTI -AUTHORITY-“Don’t tell me.”

IMPULSIVITY-“Do something – Quickly!”

INVULNERABILITY-“It won’t happen to me.”

MACHISMO-“I can do it.”

RESIGNATION-“ What’s the use?”

PRESSING-“Let’s hurry up and get this thing done “

AIR SHOW SYNDROME-“I am going to look so good. Look at me.”

Task allocation

- Know your limits
- Know your crew limits
- Capitalize of strengths
- One step at a time

CRITICAL DECISION MAKING



DECIDE

- Determine the problem
- Evaluate the scope of the problem
- Consider available options for mitigating the problem
- Identify the most appropriate option
- Do the most appropriate option
- Evaluate the effectiveness

Situational Awareness



Debrief



No one intentionally sets out to fail!

- Minimize errors
- Improve Safety
- Improve performance
- Better teamwork
- Improved Situational Awareness

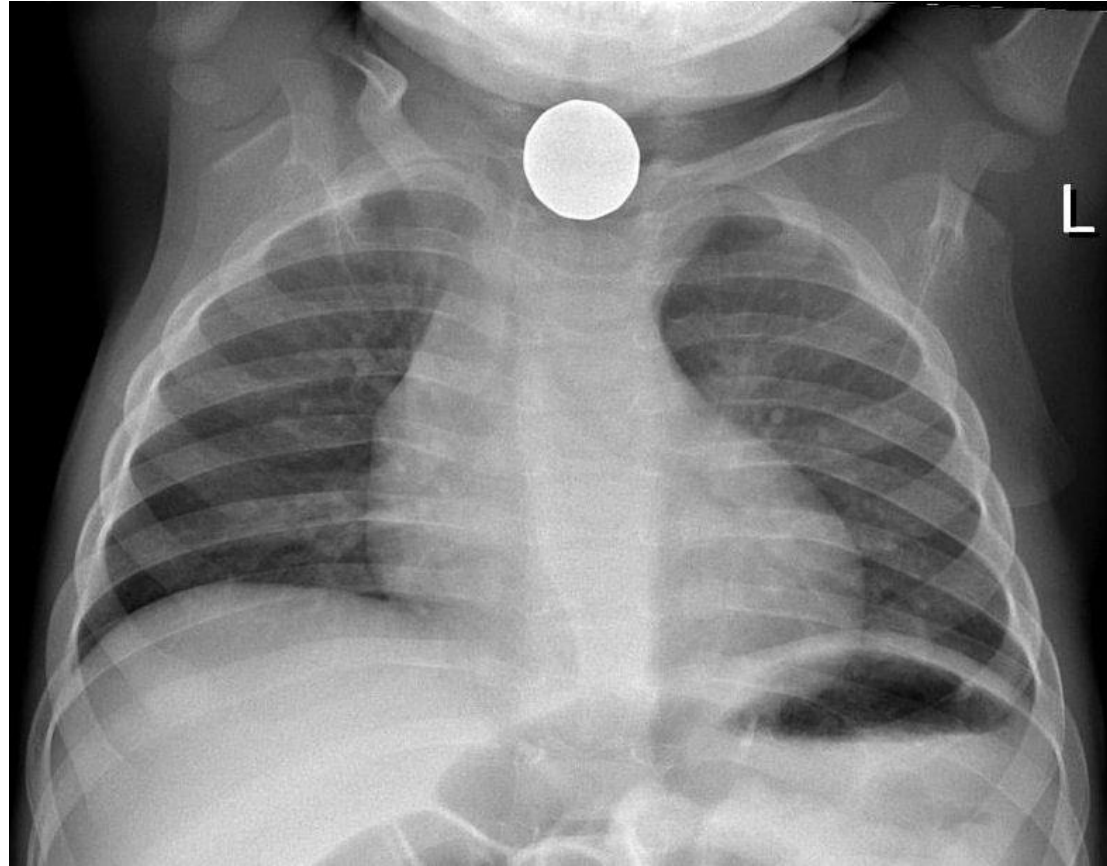


What would you do?



What would you do?

A



What would you do?

A



**SERVICE
ENGINE
SOON**



**CHECK
ENGINE**



What would you do?



A



Here is how it may look in an Ambulance

- EMT: "Hey, Bob. The patient doesn't look well. His skin is turning blue. Are you sure that tube is in the trachea?"
- Paramedic: "I saw it pass through the cords."
- EMT: "Well, we've carried him down the stairs since then. What do you say we re-assess breath sounds and apply an ETCO2 detector?"
- Paramedic: "Good idea, Jill. Let's do that."



Accident Scene CRM



Who and When

Early Activation

- ANYTIME assistance may be needed
- Enroute to what sounds like a bad call
- Extended ground transport time
- Patient needs trauma center or specialty care
- Remote or difficult location
- “Auto Launch”
- Dispatch
- Law Enforcement
- Fire Department
- Ambulance
- First Responders
- Hospital

Information needed

Requesting Agency

Location

Nearest Town and Direction/Mileage From
GPS Coordinates in Degree Decimal Format

(47°14.39 -095°12.45)

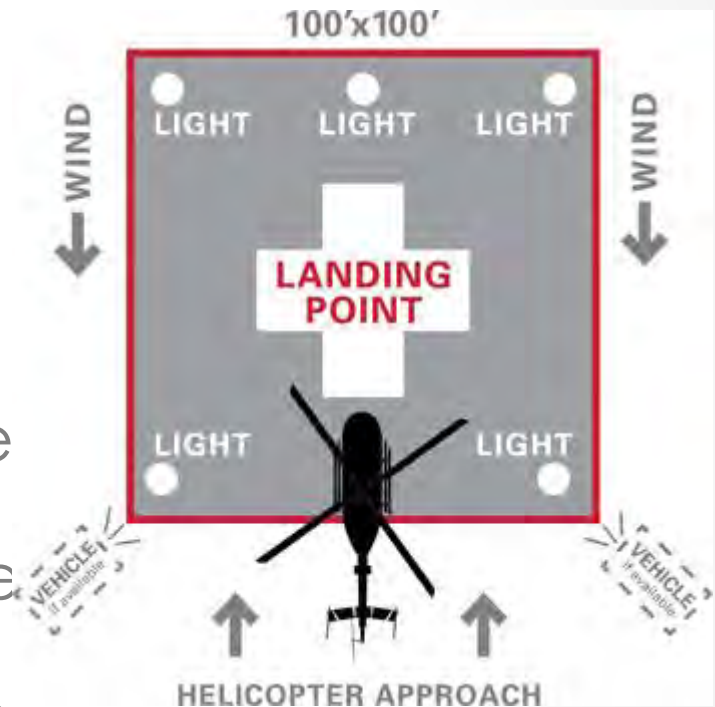
Road Intersections and/or Mile Marker

Reason for Request

of Patients and Approximate Weight

Landing Zone Safety

- 100' X 100' MINIMUM
- Position LZ UPWIND if Hazmat present on scene
- Level, solid ground without rocks or stumps
- Minimum of loose debris or snow that can be blown by helicopter
- Clear of wires/poles and other obstacles
- Be aware of road signs, fence posts, etc.
- If there is no clear area at the scene we can rendezvous at a nearby location



Essential Communications



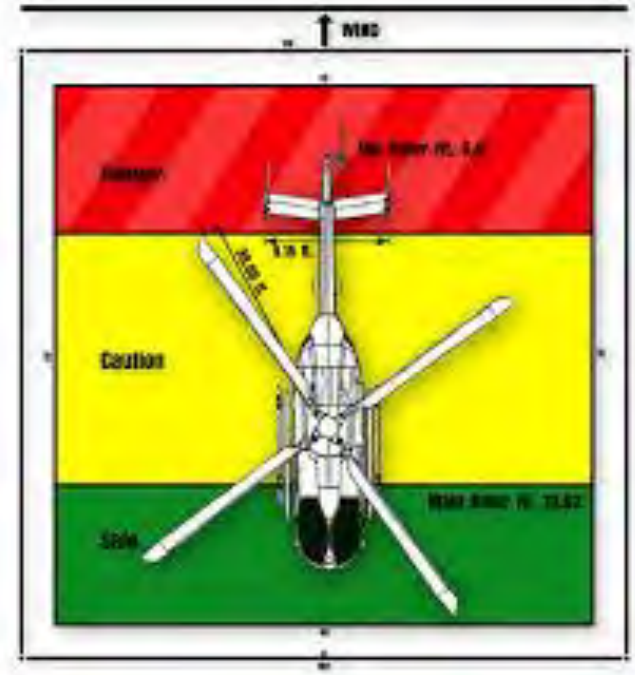
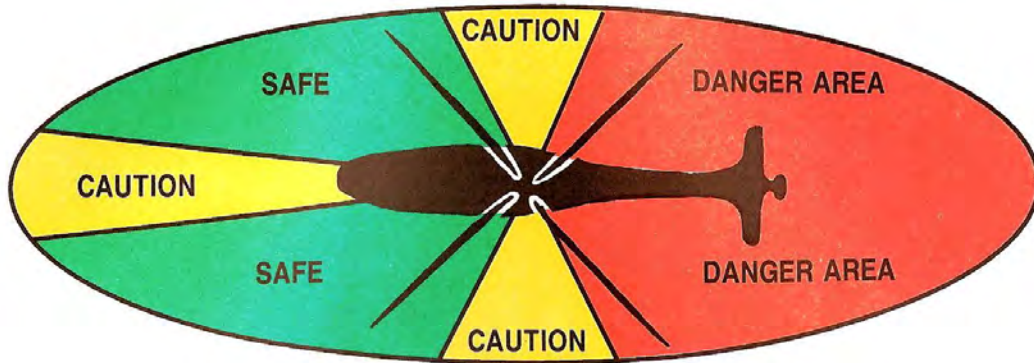
- General description
 - Road, field, driveway, etc.
- Wind direction
- Wire locations
- Obstacles (signs, posts)
- Terrain condition and direction of slope
- Depth of snow

Prepare the scene

- Eye and ear protection
- Pick up debris
- Water down area if dusty
- Secure scene



Helicopter Safety Zones



Lets Do It



Questions?

- IAFC- Crew resource management