

'Crisis Resource Management'

CALAOMS 23rd Annual Meeting

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WHAT IS CRISIS RESOURCE MANAGEMENT



- Training that prepares us for the 'human factors' that enter into the causation, propagation, and management of critical incidents
- De-emphasis of medical knowledge
- Emphasis on practice and simulation
- Emphasis on useful skills – 'muscle memory'

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BASIS FOR CRM

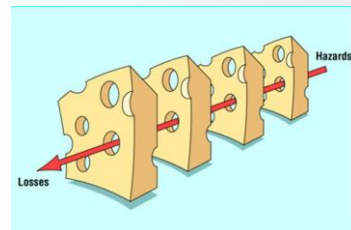
Errors will always occur...

Prevent as many as possible

Recognize as quickly as possible

Correct as many as possible

Minimize the rest...



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BASIS FOR CRM

Human mind 'wants everything to be fine...'

Controlled Skepticism

Constantly prove to oneself that the patient is doing well

'Not to Decide is to Decide'

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Crisis Resource Management Key Points



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CRITICAL ELEMENTS OF CRM

- Permission to Challenge Authority
- Use of 'Closed Loop' Communication
- Situational Awareness
- Use of Checklists to Minimize Errors
- Task Prioritization
- Time Management
- Team Practice/Repetition is Critical
- Effective Leadership

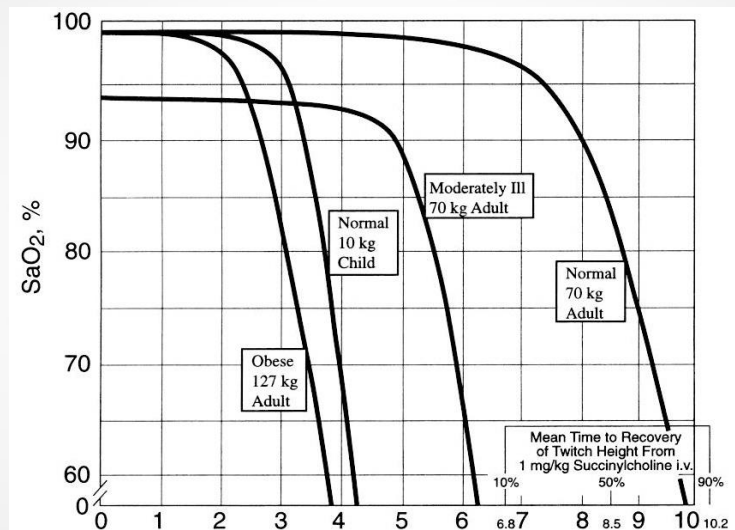
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EFFECTIVE LEADERS

- Avoid Hazardous Attitudes
- Stay in Focus
- Closed Loop Communication
- Seek Input From Those Around Them
- Address Specific Requests
- Accept Constructive Criticism
- Encourage Challenge to Authority
- Delegate Tasks

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FUNCTIONAL RESIDUAL CAPACITY



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CRM IN ACTION...

Preanesthetic timeout – Inform staff what will be abnormal
Expect complications during patient treatment
Have a practiced plan of action in place in the treatment area
Equipment organized and easily accessible
Medication and dosing readily available
Task-Oriented preparation has already occurred with staff

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TASK-ORIENTED OFFICE PREPARATION

How far away is the Bag-Valve-Mask from the patient?
How far away is the Emergency Cart from the patient?
Who can help with the Airway – BVM?
Who can place the IV?
What is the dose of the emergency drug for this patient?
How quickly can it be drawn up?

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ADSA

'TEN MINUTES SAVES A LIFE' APPLICATION

GET IT ON **Google Play**

Available on the **App Store**

FREE APPLICATION DOWNLOAD

ADSA Ten Minutes Saves a Life!
ADSA Anesthesia Research Foundati...

Medical

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Developer contact

Email
adsa1720@gmail.com

Privacy policy

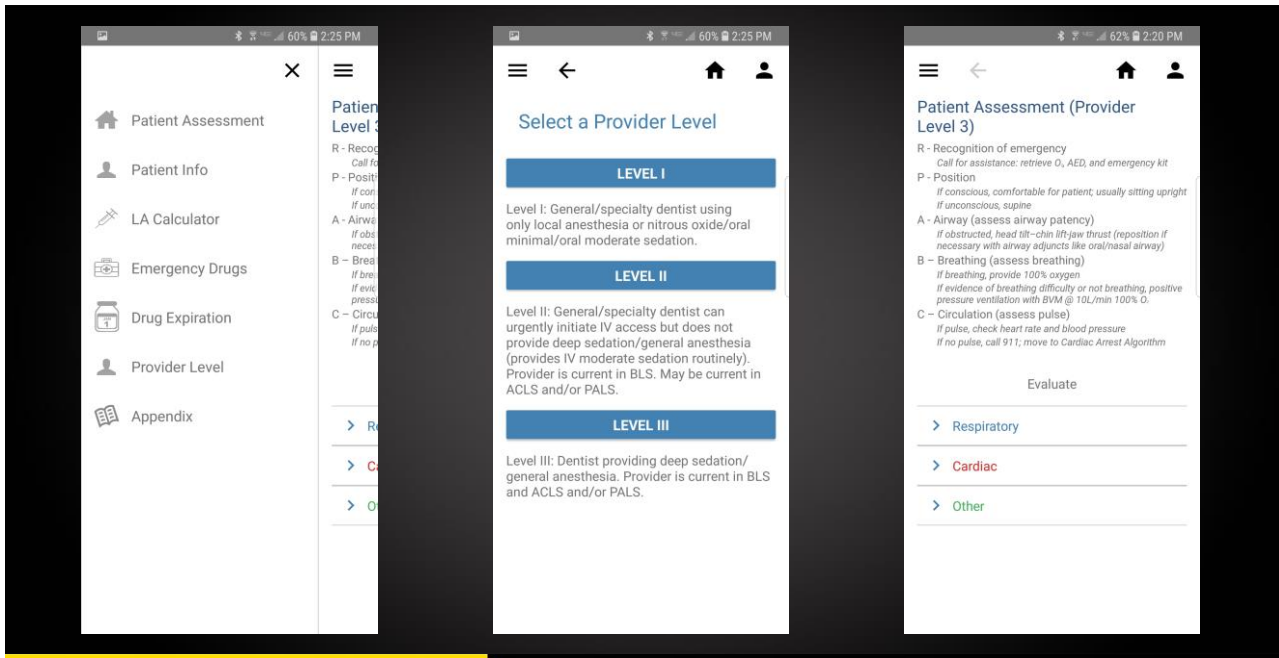
Join the beta
Try new features before they're officially released and give your feedback to the developer.

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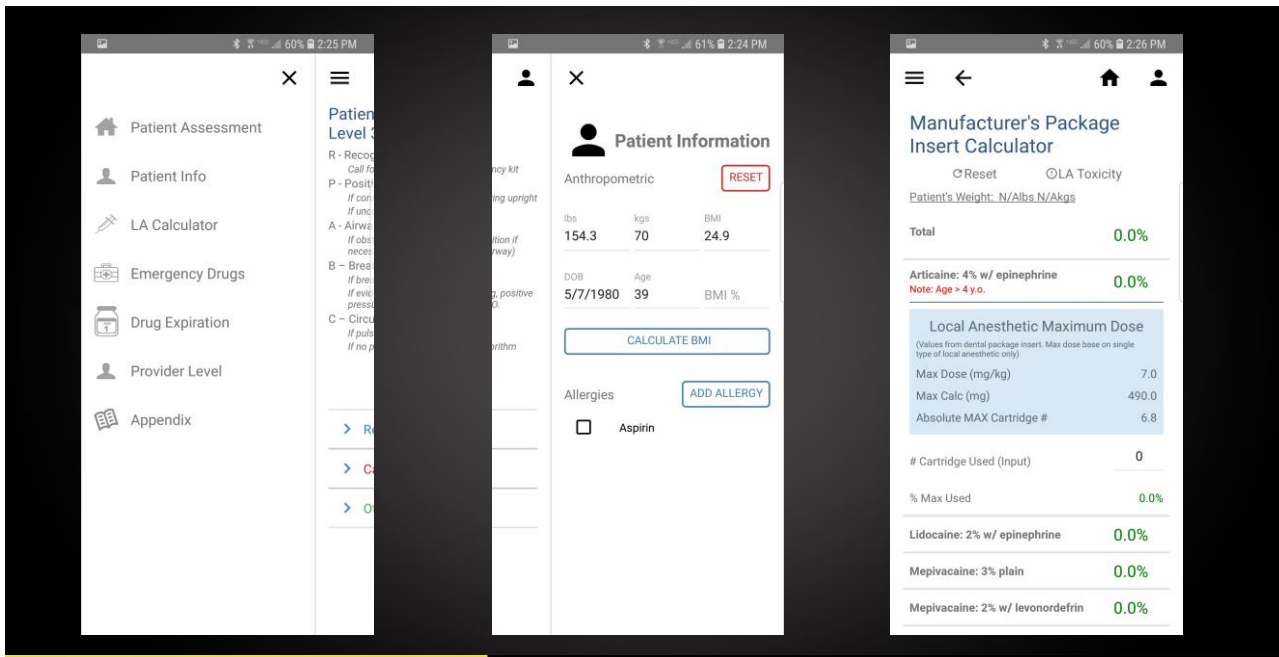
Please follow link below to a ten minute video that describes use of the electronic version of the emergency manual:

<https://www.dropbox.com/s/g8vhm5c89zcz99w/Instructional%20Video.mov?dl=0>

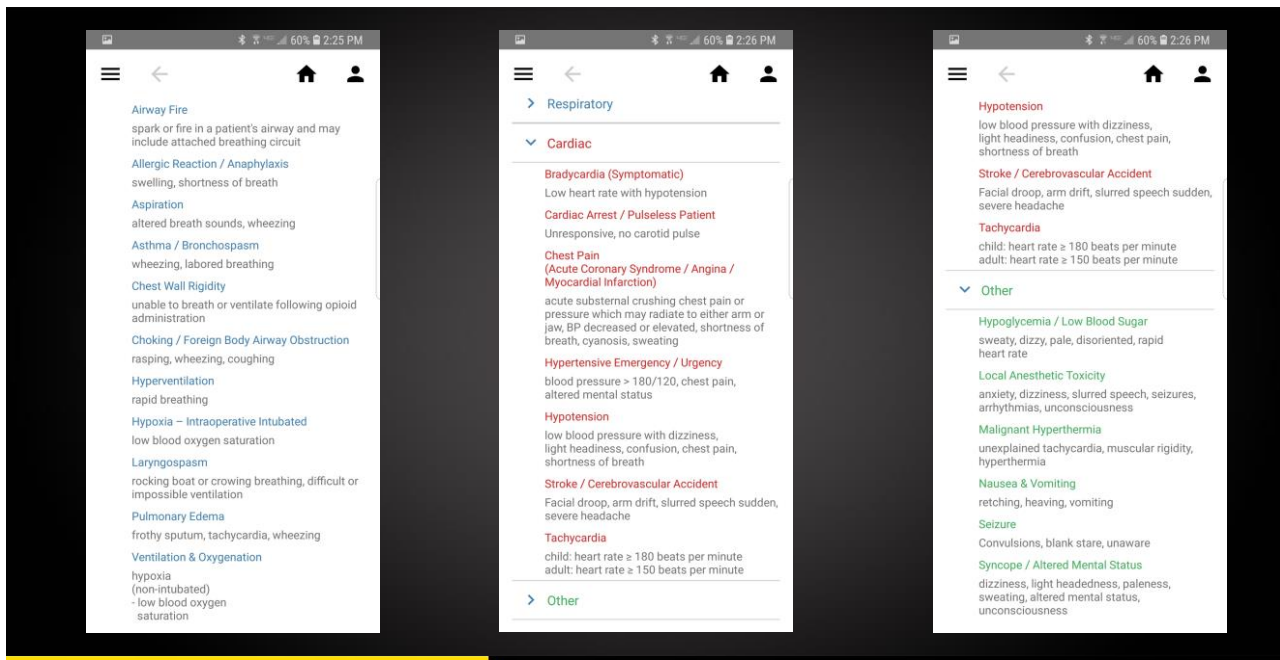
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| Date | 10/11/2017 | | | | |
|---------------|----------------------------|-----------------------------|------------------|-------------------------|--|
| Patient Name | Little John Doe | | | | |
| Weight (lb) | 65 | | | | |
| Weight (kg) | 29.5 | | | | |
| Premedication | Midazolam | PO (0.5mg/kg) | 15 mg | 7.4 cc oral formulation | |
| Laryngospasm | Propofol | IV (0.5mg/kg) | Deepen 15 mg | 1.5 cc | |
| | Lidocaine | IV (1.5mg/kg) | Break 44 mg | 2.2 cc | |
| | Succinylcholine | IV (0.5 mg/kg) | Break 15 mg | 0.7 cc | |
| | | IV (1.5 mg/kg) | Intubation 44 mg | 2.2 cc | |
| | Submental (3 mg/kg) | Intubation 89 mg | 4.4 cc | | |
| | IM (4 mg/kg) | Intubation 118 mg | 5.9 cc | | |
| Bradycardia | Atropine | IV (0.02 mg/kg) | 0.6 mg | | |
| | | ETT (0.06 mg/kg) | 1.8 mg | | |
| Bronchospasm | Epinephrine | IM (0.01 mg/kg) 1:1000 | 0.3 mg | 0.3 cc | |
| Anaphylaxis | | 2nd Dose = 0.5mg | | 0.5 cc | |
| Reversal | Flumazenil | IV (0.01 mg/kg) | 0.3 mg | 3.0 cc | |
| | Naloxone | IV (0.01 mg/kg) | 0.3 mg | 0.7 cc | |
| Arrest | Lidocaine | IV (1 mg/kg) | 30 mg | 1.5 cc | |
| | | ETT (2.5 mg/kg) | 74 mg | 3.7 cc | |
| | Epinephrine | IV/IO (0.01 mg/kg) 1:10,000 | 0.3 mg | 3.0 cc | |
| Induction | Propofol | IV (2.5 mg/kg) | 74 mg | 7.4 cc | |
| Fluid Bolus | Lactated Ringers | | 591 ml | | |
| | Maximum Dose | | | | |
| | | 2% Lidocaine 1:100K Epi | 215 mg | 6.0 carpules | |
| | | 4% Articaine 1:100K Epi | 215 mg | 3.0 carpules | |
| | .5% Bupivacaine 1:200K Epi | 39 mg | 4.3 carpules | | |

**Excel spreadsheet
Available Online
at the ADSA
Website
www.adsahome.org**

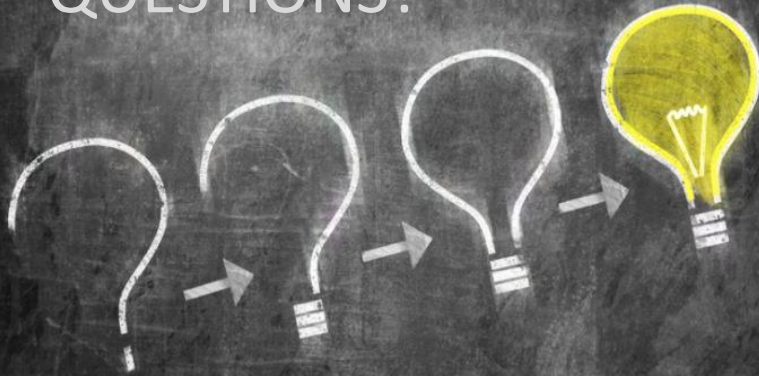
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THANKS....

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QUESTIONS?



THANK YOU!

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