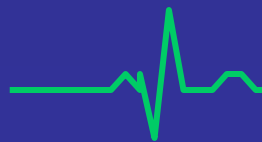


Advanced Airway

Focused Study

October 2004 - May 2005

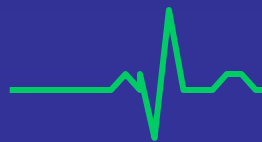
El Dorado County CQIC



El Dorado County EMS: Committed to Quality Prehospital Care

Special Thanks to

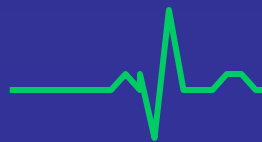
FTO Rob Marshall for his leadership
in conceiving this study....



El Dorado County EMS: Committed to Quality Prehospital Care

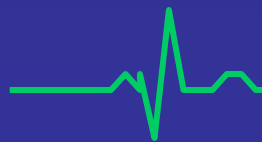
All Advanced Airways

- OETT
- NTI
- Combitube



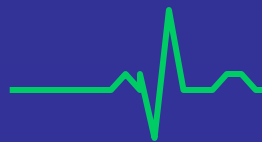
23 data elements were requested

- Not all elements were recorded for each case



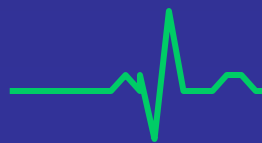
63 total cases recorded

**57 patients received advanced
airways**



El Dorado County EMS: Committed to Quality Prehospital Care

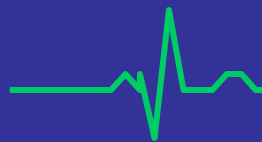
90% success rate



El Dorado County EMS: Committed to Quality Prehospital Care

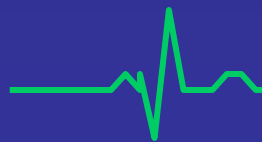
35 Cases noted blade type/size

MAC 3	13 cases	Success	No Success
MAC 4	17 cases	100%	0%
MAC 5	1 case	100%	0%
Miller 1	1 case	100%	0%
Miller 4	1 case	100%	0%
MAC 4 & Miller 4	2 cases	0%	100%
	35	33 (94%)	2 (6%)



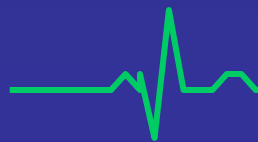
57 patients received advanced airways

- 43 OETT
- 10 NTI
- 4 Combitubes



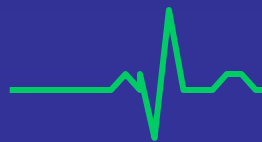
6 Advanced Airways not

Dept	Wt. (kg)	Dx	Attempts	Comp	P-exp	Other
SLT	80	Cardiac Arrest	2	Gag, Trism	1 y.	
DS	55	ALOC	2	Trism comb	10 m	NTI
CP	80	ALOC	2		5 y.	NTI
SLT	85	Cardiac Arrest	2			



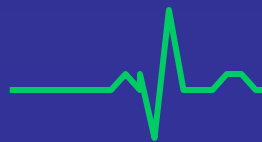
Continued

Dept	Wt. (kg)	Dx	Attempts	Comp	P-exp
PIO	90	Respiratory Arrest	2	Hemop Trism Emesis	2 y
CP	55 (13yo)	GSW Head	3	Trism	14 y (NTI Tried)



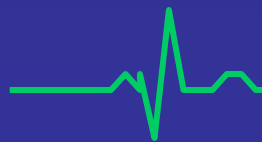
Reasons for Advanced Airway

- 40 Cardiac Arrest
- 13 Altered Mental Status
- 5 Difficulty Breathing
- 3 Trauma
- 2 Respiratory Arrest
- Total = 63



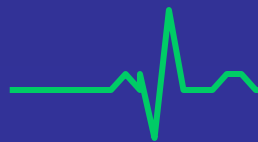
Years as Paramedic vs. Airway Achievement

Airway ultimately achieved	Cases (#)	Avg. Years as Paramedic	Range
Yes	52	5.4	0-23
No	5	4.6	.83-14



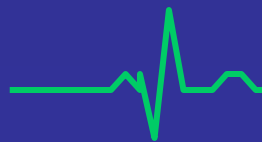
Years in EDC vs. Airway Achievement

Airway ultimately achieved	Cases (#)	Avg. years in EDC	Range
Yes	52	4.3	0-15
No	5	2.6	0.5-5



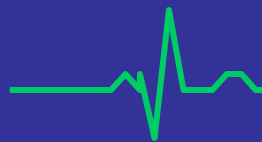
Months since last airway in field

Airway ultimately achieved	Cases (#)	Avg. Months since last airway	Range (Mos.)
Yes	44	4.4 mo.	0-24
No	5	5.8 mo.	1-12



Success by Dept.

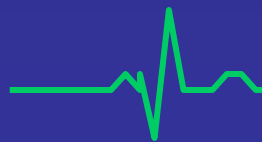
Dept	Total	Yes	No
DS	18	17 (94%)	1 (6%)
SLT	9	7 (78%)	2 (22%)
EDC	9	9 (100%)	0 (0%)
GT	9	9 (100%)	0 (0%)
CP	6	4 (67%)	2 (33%)
EDH	5	5 (100%)	0 (0%)
LV	4	4 (100%)	0 (0%)
PIO	3	2 (67%)	1 (33%)



El Dorado County EMS: Committed to Quality Prehospital Care

Unrecognized Esophageal Airways

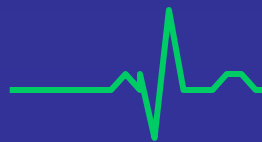
0% Reported



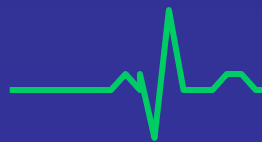
El Dorado County EMS: Committed to Quality Prehospital Care

Conclusions

- **Good Success in Advanced Airway Placement**
- **Reminder to Train often in departments with fewer field opportunities**
- **Goal to keep esophageal airway @ 0%!!!**
- **Remember Combitube is Rescue Airway**

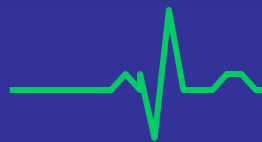


Questions/Comments?



El Dorado County EMS: Committed to Quality Prehospital Care

Thank you



El Dorado County EMS: Committed to Quality Prehospital Care