

Central East Prehospital Care Program

MEMORANDUM

TO: All Durham Paramedics

FROM: Dr P Moran
Medical Advisory Committee CEPCP

DATE: 2012 08 23

RE: ROC update

There are two ROC studies that we are currently involved with – the ALPS trial, which is still being finalized before going live – look forward to an update coming soon; and the Continuous Cardiac Compressions (CCC) trial, in which we remain in the continuous compressions arm at this time. As we continue forward, we want congratulate everyone on the excellent performance to date, and to reinforce the key points of the CCC trial:

- Chest compressions: while we are performing continuous compressions to minimize interruptions related to ventilation, we must also remember to minimize pauses in compressions for rhythm analyses, charging, changing compressors, airway management, etc. We are currently meeting the ROC benchmark of a CPR fraction > 0.75, **89%** of the time.
- Pre shock pauses: PCP's have less control over this variable as they are limited by the analysis software. For both ACP and PCP, the delivery of chest compressions during the defibrillator charge cycle is recommended. We are meeting the ROC benchmark of a preshock pause < 20 seconds, **88%** of the time.
- Advanced airway management: the recommendation is to withhold advanced airway placement until after the 3rd full cycle of CPR is performed. It is important to delay advanced airway placement as the procedure leads to long interruptions in CPR and the greatest benefits of CPR are best seen in the first few minutes of the arrest. In the event the airway needs to be managed beyond the basics, treat as is appropriate and document clearly the events and rationale on the ePCR. We are meeting this ROC benchmark **77%** of the time.
- IV and epinephrine: Another benchmark within the study is the administration of epinephrine within 10 minutes of ACP arrival on scene. We are meeting this ROC benchmark **77%** of the time.

Please contact our office should you have additional questions or concerns.