

tient-controlled sedation using propofol in doses of greater than 25 mg/min would undoubtedly be a short, unpublished study.

I do, however, agree with Dr. Ducharme's comments that mini-dose titration of propofol (20 mg every 45–60 seconds) for sedation during cardioversion minimizes the incidence of apnea and hypotension and allows for rapid emergence for the procedure. In obese patients I have found that positioning the patient in the right lateral decubitus position (recovery position) prior to cardioversion has several advantages.

1. The anterior-posterior placement of the paddles in the obese patient provides a more direct route of energy through the heart and in my experience is associated with a high success rate.

2. Airway obstruction is less likely to occur in the recovery vs. the supine position (as there is a tendency for obstruction to occur as a result of the tongue falling back when the patient is in the supine position).

3. Airway assistance and manoeuvres (jaw thrust, chin lift, positive pressure ventilation) are essentially never required in the recovery position when propofol is titrated properly.

4. Having the patient position himself in the recovery position prior to the procedure saves the staff from manually turning the unconscious patient on his side at the end of the cardioversion.

5. Obstructed respiratory efforts in the supine position generate positive intra-abdominal and negative intra-thoracic pressures, which increases the likelihood of gastric regurgitation and or aspiration.

6. The recovery position is preferable to the supine position for suctioning should regurgitation occur.

Patrick Sullivan, MD
Associate Professor
Department of Anesthesia
University of Ottawa
Ottawa, Ont.

Reference

1. Ducharme J. Propofol in the emergency department: another interpretation of the evidence [commentary]. *CJEM* 2001;3(4):311-2.

[The author responds:]

I thank Dr. Sullivan for his comments, and am encouraged by his endorsement of mini-dose titration of propofol. I need to correct him in his misunderstanding of my comments about patient-controlled sedation. I did not suggest, nor would I, that infusions of propofol in the order of 16–33 mg/min be used. The study quoted¹ showed that patients giving themselves such doses every minute by pushing on a button could not sedate themselves to the point of deep sedation (i.e., loss of protective reflexes). This study was quoted to demonstrate the safety of the mini-dose approach and was not meant to encourage ongoing infusions.

I am otherwise heartened by this positive input from Anesthesia, and encourage all emergency departments who are hoping to initiate safe procedural sedation policies to work with their anesthesia and emergency colleagues to establish standardized practices.

Jim Ducharme, MD
Clinical Director
Emergency Medicine
Atlantic Health Sciences Corporation
Saint John, NB

Reference

1. Smith AF, Thorpe SJ, Cook LB. Patient-controlled sedation using propofol: randomized, double-blind dose refinement. *Eur J Anaesthesiol* 1999;15: 18-22.

Paediatric CTAS

To the editor:

Our centre is one of the busiest urban pediatric emergency departments (EDs) in North America, with more than 65 000 visits annually. We implemented the Canadian Paediatric Triage

and Acuity Scale (PaedCTAS) 5 months ago [since published as a supplement to the October 2001 issue¹ of *CJEM*] and we are generally pleased with it; it has been quite easy to use. However, from the time it was discussed at meetings of the Canadian Paediatric Society and Canadian Association of Emergency Physicians, we have had concerns about the infection category. Our experience is proving that these concerns are real.

Lumping all children “aged 3 to 36 months with fever” in the Level III triage category is unrealistic. Febrile children in this age group represent the most frequent reason for consultation at our centre, and most have relatively benign viral illnesses. If we apply the PaedCTAS consistently, these patients disproportionately expand the Level III triage category, forcing potentially sicker patients with asthma, possible appendicitis or moderate allergic reactions (who should be seen earlier) to wait longer than necessary.

In general EDs with less pediatric experience it may be acceptable to lump all of these children into Level III, but in centres with pediatric triage expertise it is important to redefine this category based on other established criteria, so that some patients can be moved into higher or lower triage levels. Our triage nurses now do this informally without benefit of objective criteria, by placing selected Level III patients ahead of others who arrived earlier. Utility and relevance are critical characteristics of a triage tool and, at least in the infection category, we feel that the PaedCTAS has failed.

The Canadian Emergency Department Triage and Acuity Scale (CTAS)² has become a mandatory triage tool in our provincial EDs. Pediatric centres need an appropriate triage acuity scale to help us gather reliable information and define our acuity, resource level and performance. Before recommending the PaedCTAS as a national stan-