between radiologists in the interpretation of the venogram as to whether thrombus was present or not. Nevertheless this group of patients was a worry to us and we have since published the relative follow up of 120 of the cases between six and 12 months after their initial treatment. None of these patients had suffered further thrombosis or pulmonary embolism. All were still alive and none had been admitted to another institution.

We agree that the clinician should maintain a low threshold of suspicion for DVT despite a negative LRR. We also agree that the Simplified D-dimer assay is useful and we have just completed a study of several hundred patients using this D-dimer assay. The negative predictive value in our study was similar at 95%. We feel the test has a strong part to play in the screening of patients for DVT as long as they have no other cause for fibrinolysis, for instance they are not postoperative or suffering from certain medical conditions such as sepsis or myocardial infarction. It is probably the screening method of choice out of hours as it is easy and quick to perform when other more sophisticated tests may not be available.

**Empirical thrombolysis in catastrophic pulmonary embolism**

**EDITOR,** I was interested to read the report by Kehoe and Dacruz in which administration of recombinant tissue plasminogen activator (rt-PA) during cardiac arrest secondary to pulmonary embolism in a 69 year old woman resulted in restoration of the circulation and subsequent full recovery.

The authors may be interested in a review by Bottiger et al who have collected data on a total of 48 patients (case reports and three small case series) with cardiac arrest secondary to pulmonary embolism treated with thrombolysis (either with streptokinase, urokinase, or rt-PA) during cardiopulmonary resuscitation (CPR). Data from the three small case series showed initial survival rates of 55%-100%. In successful cases, spontaneous circulation was re-established in as little as 10–20 minutes after administration of thrombolysis, though successful resuscitation was recorded in cases where CPR was continued for up to 90 minutes after thrombolysis. The authors favoured use of rt-PA or urokinase over streptokinase in view of the latter's propensity to cause hypotension.

Given that cardiac arrest caused by pulmonary embolism is usually refractory to conventional resuscitative efforts, these data, together with the case reported by Kehoe and Dacruz, suggest that thrombolysis should be considered in cases of cardiac arrest associated with pulseless electrical activity where suspicion for underlying pulmonary embolism is strong.

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The authors reply

We thank Dr Lehman for his obvious interest in our recent paper. The data for the Actidose and Carbomix ingestions did not strictly conform to routine tests for Normality. However both were relatively symmetrical (especially for Actidose) and the standard deviations are of very similar size. Due to the moderate to large sample sizes (47 and 50), it was not considered crucial that the data was Normally distributed. Use of the sample t-test was therefore considered valid.

The histograms of the ingested doses show that the Actidose appeared to have a greater degree of variability in the ingested amount than the Carbomix (see figs 1 and 2). In fact no patients achieved ingestion of the maximum dose while all but one patient ingested some of the prescribed charcoal preparation. The data do not appear to be clustered at the extremes of the ingested dosages, as shown by the relatively symmetrical histogram forms.


You wouldn’t think that a reference book would be a good read. But like the old Parsi Cyclopaedia into which I used to dip as a child to marvel at oddities, paediatric toxicology is full of interesting antidotes. I think it is because many of the recommendations are illustrated by case reports. There is a fascination for doctors in the reading of case reports. They somehow seem more like “real life” than pages of opinion and information. We can apply our own diagnostic skills to the story and there is a personal clinician to patient feel about the reading of a case report.

So much for its entertainment value. Is Paediatric Toxicology a useful book in the management of acute poisoning in children and is it presented in an accessible manner?

The answer to the first question is easily provided by asking users whether they found it helpful in solving problems. Personally I have found useful information in 90% of the occasions that I have consulted it for individual patients or when preparing teaching. Nurses at our telephone triage point, who spend seven hours a day on average answering phone calls from the public, many of which are about poisonings, tell me that it is useful in about 80% of the requests that they get for information. It is particularly helpful to reassure parents whose child has taken an innocuous substance.

When it comes to the management of a child who has taken a potentially serious overdose, and particularly one that is not commonly taken (that is, not paracetamol) then I will still want to individualise the advice by talking to a poisons centre expert. However, these cases are in a small minority.

The presentation of information is easy to access. Page layouts make the book an easy read. We are, of course, still bedevilled in pae-