

CRYONICS UK

NOTES OF TRAINING WEEKEND – 7/8 JULY 2018

VENUE: KIVETON PARK AND WALES VILLAGE HALL, Kiveton Park, near Sheffield, Yorks.

SATURDAY 7 JULY 11AM – 5PM

Present: 7 members, 1 visitor, 2 media representatives.

Morning

Practice in initial cool-down procedures:

- securing the patient to the stretcher;
- administering chest compressions using both the Lucas and Michigan Instruments chest compression devices;
- using the transport ventilator.

Members each practiced using the procedures and equipment under direction to ensure they were familiar with all details and would be competent in these activities during a cryonics call-out.

Afternoon

Briefing/discussion of medications:

- differences between previous and new recommendations were highlighted;
- the metabolic effects of each medication, its effectiveness and importance were described and discussed;
- problems of obtaining medications were discussed.

Practice in procedures for preparing and delivering medications:

- using the FAST intra-osseous infuser, used to deliver medications via the sternum;
- using syringes to draw medications from vials;
- using an electric syringe driver for slow-delivery medication, including calculations for setting the correct rate of delivery.

SUNDAY 8 JULY 10AM – 4PM

Present: 7 members, 1 visitor.

Morning

Practice with perfusion equipment:

- assembling perfusion circuit tubing from components;
- initial priming and flushing of the perfusion circuit;
- control of perfusion pressure to patient;
- procedure for changing over perfusate reservoirs during perfusion of a patient.

Consideration and discussion of perfusate delivery temperature during perfusion. Recent advice from a perfusion specialist indicates that the optimum temperature for full-strength perfusate should be +6°C to -6°C. The implications of the choice of water ice, concentrated brine ice or freezer blocks to cool perfusate were explained, and a discussion took place about methods to control the temperature. It was agreed to run trials with current equipment to improve control of delivery temperature, and to investigate the availability of fluid cooling equipment suitable for cooling and regulating perfusate temperature, prior to the next CUK training session.

Afternoon

Inspection of the CUK ambulance with emphasis on the location of the different items of equipment used on a cryonics call-out and on identifying it whilst it is still in its packaging. Members were tested on their ability to quickly locate specific items.

Discussion of existing proposals for a new ice bath and suggestions of features to be incorporated in its design. Details will be worked up with fabricators who have already been approached with preliminary ideas.