

APPENDIX 3N

LOT 14 SPECIFICATION

BLADDER SCANNERS ASSOCIATED OPTIONS AND RELATED SERVICES

1. Introduction

- 1.1. This Lot is for the supply of bladder scanners comprising of a scanner console and an ultrasound transducer. Utilising high frequency sound waves bladder scanners provide an ultrasound-based diagnostic image of the bladder. The scanner is to be specifically designed to scan a patient's bladder and allow determination of function and performance including bladder volume, urinary retention and post-void residual bladder volume. The ultrasound images (sonograms) are to be created by sending a pulse of ultrasound into the tissue of the patient using an ultrasound transducer (probe) with the reflected sound recorded and displayed as an image on the console to the operator.
- 1.2. The core product line within this Lot is a bladder scanner.
- 1.3. Product line(s) must be supplied with a minimum 5 year expected lifecycle under proper use and maintenance.

2. Bladder Scanner and Associated Equipment

- 2.1. Guidance on the correct cleaning and disinfection of consoles and transducers must be available and provided on request.
- 2.2. Consistency of outcomes +/- 15%.

3. Bladder Scanner Console

- 3.1. A bladder scanner console must have features that allow it to be trolley mounted or portable as appropriate for the clinical setting.
- 3.2. A bladder scanner console must operate from integral mains rechargeable batteries or through a removeable and externally charged battery.
- 3.3. The scanner must be able to measure bladder volumes up to 999 millilitres.
- 3.4. The scanner must be capable of automatic computation of the volume of urine in the bladder.
- 3.5. An integral printer must be made available as an option to purchase or must have the ability to connect to a printer directly or via a PC.
- 3.6. The scanner must boot up from fully off to ready for use in less than 60 seconds.

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4. Bladder Scanner Ultrasound Transducer

- 4.1. At least one ultrasound transducer must be supplied with every bladder scanner console.

- 4.2. The transducer must be capable of operating at various frequencies to accommodate accurate scanning of all patients including paediatric adult and bariatric.

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