

## Advanced Scope Trainer - AST - Overview & Applications

The Advanced Scope Trainer utilises a clear acrylic casing more suited to the actual demonstration of the properties of a flexible ureteroscope to potential customers. The Advanced Scope Trainer provides the operative with the ability to re-charge each kidney with stones via the two external ports when the existing stones are removed or destroyed

The Mediskills Advanced Scope Trainer has been designed to meet the needs of basic and advanced training in rigid and flexible ureteroscopy. It incorporates features such as distensible bladder, a realistic ureteric orifice and a ureter, which follows the same anatomical course as the adult male, thus providing a realistic alternative to training in patients, at the same time allowing the trainee ureteroscopist to develop a feel for the difficulties that may be encountered during procedures in patients.

Once the collecting system is accessed, the arrangement of the calices is such that the trainee will be able to practise all of the manoeuvres required to complete full renoscopy, the presence of caliceal stones and a small caliceal tumour enables the therapeutic skills of stone fragmentation, retrieval and tumour biopsy to be acquired.

The model is also suitable for practising flexible cystoscopy, stent insertion and removal techniques.

The distendable bladder with an anatomically correct ureterovesical junction will enable ease of access with the ureteroscope to be assessed. The reproduction of the lumbar lordosis enables the performance of rigid ureteroscopes to be evaluated along with devices for stone retrieval and disintegration.

## Instructions & Care for your Mediskills Advanced Scope Trainer - AST

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The model is used in the same way as a clinical endoscopy proceeds. The bladder outlet valve is closed and the instrument is introduced with normal irrigation, the bladder fills and need only be emptied after maximum distension.

The Advanced Scope Trainer is attached to a saline drip which fills the model with water via the urethra. As the water fills the model the two vents at the top of the model are purged by fully opening the valves.

The front vent purges the bladder and the back vent purges both the collecting systems. The valves are close immediately when water escapes. To drain the model both the valves are set to the open position, then the drain tap is opened fully allowing water to drain from the model.

All taps should be fully closed when transporting the model to avoid spillage.

Alternatively the Advanced Scope Trainer can be used 'dry' with a lubricant such as olive or vegetable oil as well as silicone based oil.

It only needs water for use with a laser.