

P - 3 Form

(to be attached with P - 2 form for proprietary items)

AIIMS Rishikesh

PROPRIETARY ARTICLE CERTIFICATE

It is certified that the items "Robotic Tool for CT guided Biopsy and tumour ablation with an integrated treatment planning and verification system [MAXIO™]" required in the P-2 form should be purchased from M/s Perfint Healthcare Pvt Ltd, Chennai , India. To the best of my knowledge M/s Perfint Healthcare Pvt Ltd is the sole manufacturer of the above item.

Similar items manufactured by other firm(s) shall not be suitable for our purpose for the following reasons:

- (a) The MAXIO™ system contains an integrated treatment planning software which drives the robotic navigation arm whereas in other systems the plan is independent of the tracking / navigation solution and the IR has to verify instrument entry point, trajectory and depth using a virtual instrument display provided by an external feedback .
- (b) Tracking solutions use optical technology which is constrained by line of sight issues or Electromagnetic technology which is impacted by presence of metal nearby
- (c) MAXIO provides an end-end workflow from obtaining pre-operative patient image to post-operative verification in a seamless manner with no hand-offs to multiple devices.
- (d) Compared to other tracking solutions the time to register is significantly lower since it uses an easy to install and rugged opto-electronic docking based registration whereas tracking solutions need registration for every patient.
- (e) MAXIO™ provides various safety alerts to avoid needle and thermal injury to vital structures
- (f) MAXIO™ provides inter-needle collision alert during multi-needle procedure planning
- (g) MAXIO™ provides guidance to deliver local and track anaesthesia and the exact location to create nick on the skin surface to minimise skin resistance during needle advancement (entry)
- (h) MAXIO™ provides an ability to adapt the treatment plan or subsequent placement plan intra-operatively based on actual needle placement
- (i) MAXIO allows registration of an offline / remote plan with current images
- (j) Users of MAXIO™ have reported that Accuracy of needle placement, number of needle manipulations. Radiation exposure and time for procedure is significantly better than unassisted procedures , even when performed by young radiologists or residents
- (k) Robotic Navigation is more user friendly than instrument tracking solutions

- (l) MAXIO™ is indigenously designed & manufactured by an Indian company and the technology is Patented in India and the USA
- (m) Support and Spares are available locally
- (n) Perfint encourages research collaboration with academic institutions like AIIMS
- (o) The product is USFDA , CE and Japanese PMDA cleared.
- (p) MAXIO™ is used in multiple teaching hospitals in India since 2013 and thus well established and validated for effectiveness and safety.
- (q) Department of Biotechnology Government of India has supported development and commercialisation of MAXIO™

Chander

(Sign of Indenter)

Dated 14/12/17

Designation Assistant Professor

Department Radiology

Recommendation:

Dr. RAJESH PASRICHA
Additional Professor & HOD
Department of Radiation Oncology
AIIMS, Rishikesh
14/12/17

Dr. Arun Mukund
Add. Prof.
JLBS, Delhi

Signature of Head of Department/Section

N.B: The indenter before recording the above certificate should satisfy himself that the article is genuinely of proprietary nature manufactured under present laws.