

Permanent Prostate Seed Implantation



Pre-Loading Technique

Introduction

US Guided Permanent Seed Implantation of the prostate is a relatively easy, ambulatory procedure which today's modern physician can offer their patients with adenocarcinoma of the prostate.

Historically seed implantation was performed via the retropubic approach, an open surgical procedure in which the seeds were implanted free – hand. With the development of transrectal ultrasound, computer tomography, and computer based dosimetric analysis, a synergy has converged in modern prostate brachytherapy, which promises increased tumor control and decreased morbidity.

The goal of prostate brachytherapy, delivering a tumoricidal dose to the prostate while minimizing toxicities can be achieved using various techniques: Preplanning, Intraoperative Preplanning, Interoperative / Interactive Planning. The various seed loading distributions include: uniform, modified peripheral, and peripheral loading.

The Pre-Loading technique described in this manual is a real time intraoperative / interactive planning and peripheral seed loading technique. This technique capitalizes on all the latest advances in technology that translate into superior treatment outcomes with low morbidity rates.

This manual is intended to only serve as a guideline for the Pre-Loading technique and does not replace or minimize the importance of formal training and clinical experience.

Please order the complete brochure "Permanent Prostate Seed Implantation, Pre-Loading Technique", Art-Nr. 72200-0116, at sales@bebig.de, indicating your name and address.