

*Patent Tracker – 4.0*

## **Catheters for prostate treatment**

**SciTech Patent Art**

**Hyderabad**

**India**



[www.patent-art.com](http://www.patent-art.com)

Email: [info@patent-art.com](mailto:info@patent-art.com)

**This document is a partial report only and is proprietary to SciTech Patent Art Services Private Limited. The contents of this report of this communication represent a technical opinion only, and do not, nor are they intended to provide a legal opinion.**

## Universities/ Research institutes

<b>University / Research Institute</b>	<b>No. of Records</b>	<b>Patent Focus</b>
Regents of The University of Michigan	1	Catheters for performing targeted tissue ablation
The Regents of The University of California	1	Catheter based balloon for temperature, acoustic and radiological blocking as well as the repositioning of treated and sensitive tissues
The Texas A&M University System	1	Temperature control mechanisms and their use for a micro heat pipe catheter

## Research Collaborations\*

Names of the collaborator(s)	Number of Records	Patent Focus
Cosman Company Inc.; The General Hospital Corporation	1	Method and system for alleviating urinary obstruction caused by enlargement of the prostate by performing thermal high frequency ablation for urethral enlargement
Palo Alto Institute; Mercator MedSystems Inc.	1	Methods and systems for delivering agents adjacent to or within the encircling or encapsulating smooth muscle or connective tissue component of a conduit, vessel, or cavitory organ for the prophylaxis or treatment of disease

\* As determined from assignees of patents





## Focus of top filers

<b>Assignee</b>	<b>Focus</b>
<b>Boston Scientific Corp.</b>	<b>Treatment of prostate gland, treatment of BPH, delivering prosthesis, delivering therapeutic agent, urethra treatment</b>
<b>Urologix Inc.</b>	<b>Treatment of BPH, treatment of prostate gland</b>
<b>WIT IP Corp.</b>	<b>Treatment of prostate gland, treatment of BPH</b>

# Citation Velocity

- Vidamed Inc's patents have been widely cited.
- Vidamed Inc. and Medtronic have built a strong defensive portfolio as seen by their self citations.
- Among the major assignees, Medtronic Inc's patent has been mostly referred by others.
- Arthro Care Corp has cited the patents of Vidamed Inc and Medtronic Inc the most.

S. No.	Patent/ publication	Assignee/applicant	Title	Year Issued	Self cited	Cited by others	Cited	Avg Cites by Year
1	<a href="#">US5370675</a>	Vidamed Inc	Medical probe device and method	1994	17	Arthro Care Corporation - 112, Curon Medical Inc - 41, Rita Medical Systems - 31	524	37.4
2	<a href="#">US5807395</a>	Medtronic Inc	Method and apparatus for rf ablation and hyperthermia	1998	29	Arthro Care Corporation - 101, Atrionix Inc - 19, The reagents of University of california - 13	297	29
3	<a href="#">US5366490</a>	Vidamed Inc	Medical probe device and method	1994	11	Oratec Interventions - 39, Curon Medical Inc - 30, Somnus Medical Technologies Inc - 20	297	21.1
4	<a href="#">WO1992010142</a>	Pfizer Hospital Products Group Inc.	A device and method for interstitial laser energy delivery	1992	1	Vidamed Inc - 68, Oratec Interventions Inc - 38, Curon Medical Inc - 26	290	17.6
5	<a href="#">US5178620</a>	Advanced Angioplasty Products Inc	Thermal dilatation catheter and method	1993	1	ArthroCare Corporation - 123, Oratec Interventions Inc - 38, Vidamed Inc - 22	262	16.5

## Recent published literature

- **Catheter-Free 120W lithium triborate (LBO) laser photoselective vaporization prostatectomy (PVP) for benign prostatic hyperplasia (BPH)**
- **Urethral catheter traction reduces bleeding compared with suturing of prostatic vesical junction during suprapubic prostatectomy: A randomized clinical trial study**