

VAPR®



DePuy Mitek
a Johnson & Johnson company

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DR. SUMANT KRISHNAN
VAPR® DEMONSTRATION CD



VAPR combines the speed and power

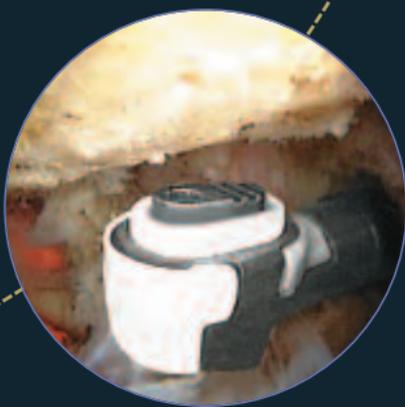
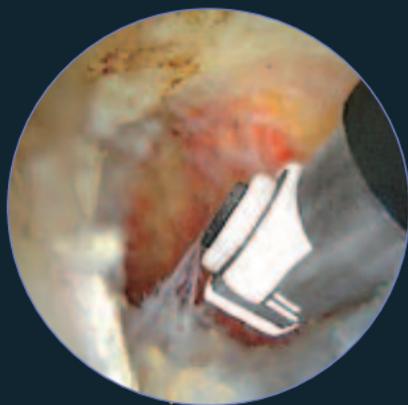
Developed for arthroscopic procedures, VAPR creates RF waveforms that perform efficient soft-tissue vaporization, coagulation and thermal modification. VAPR creates a vapor pocket at the working tip of the electrode, which precisely vaporizes targeted tissue and minimizes damage to surrounding healthy tissue. Tissue entering the VAPR pocket becomes vaporized, providing rapid and precise removal of soft tissue.

The "Seamless Fault Safety Feature" increases surgeon confidence by shutting off the electrode when it approaches metal and automatically reactivating the electrode when it is safely away. This most recent upgrade to the VAPR generator further protects patients, medical staff and operating room equipment.



Speed VAPR ablates soft tissue 23%*
*Based upon comparison of the LPS electrode to ArthroCare's TurboVac® electrode. Data on file.

of bipolar radiofrequency energy.



*faster than the leading competitor's electrode***

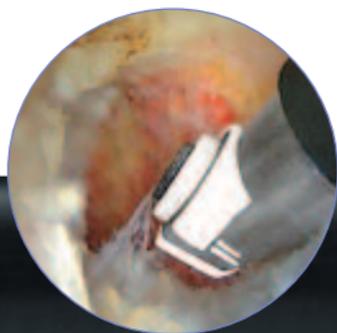
**IMS Data, published April, 2005.

Shoulder Arthroscopy

Subcromial Decompression

VAPR quickly and efficiently removes soft tissue and bursa from the subcromial space. By combining soft tissue ablation and coagulation, VAPR minimizes operating room time. VAPR's suction electrodes provide excellent visualization by removing bubbles and small debris.

- Acromioplasty
- Bursectomy
- Capsular release
- Synovectomy
- Labral tear resection
- Thermal modification
- Scar tissue excision
- Chondroplasty



Sight Provides excellent visualization

Knee Arthroscopy

ACL Debridement

During ACL reconstruction, remnants of the ACL and soft tissue along the wall of the intercondylar notch can be rapidly and efficiently excised in preparation for the notchplasty.

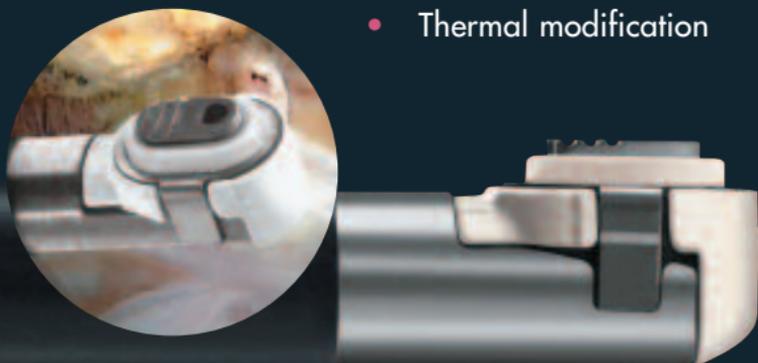
Lateral Release

VAPR offers excellent visualization of the working tip, while incising the lateral capsule and synovium. The System combines rapid cutting with effective hemostasis, which make VAPR an excellent choice for this indication.

Meniscectomy

VAPR offers electrodes that can be used for resection and contouring all areas of the meniscus, even in tight knees. The electrode's flexible tip facilitates access to the medial and posterior meniscus, while the ceramic insulator protects adjacent articular cartilage from receiving unintended thermal energy.

- Chondroplasty
- Synovectomy
- Meniscal Cystectomy
- Plica removal
- Thermal modification



by removing bubbles and small debris

Wrist Arthroscopy

VAPR small joint electrodes can be used to quickly vaporize and debride structures, such as triangular fibrocartilage, synovial tissue, ligaments and cartilage in the wrist. The electrodes also can be used to thermally modify soft tissue. The electrodes' malleability and small size facilitate access to all areas within the joint.

- Synovectomy
- Cartilage debridement
- Thermal modification
- Fracture debridement

Elbow Arthroscopy

VAPR small diameter electrodes can be used during elbow arthroscopy to cut and remove soft tissue, adhesions and other soft tissues that can interfere with normal arm movement. The VAPR System's combined hemostasis and cutting properties help to quicken surgery where bleeding causes delays. VAPR small diameter electrodes can be used with or without a cannula, and are flexible to help access hard-to-reach areas of the elbow.

- Synovectomy
- Tendon debridement
- Chondroplasty

Safety "Seamless Fault S

Ankle Arthroscopy

VAPR small joint electrodes are supple and can be used to easily access soft tissue pathology in the ankle. VAPR can be used in the ablation mode for resection of synovitis, adhesions and osteophyte removal. Thermal electrodes also can be used to treat chondral lesions and to address instability through the thermal modification of the ligament capsule.

- Synovectomy
- Chondroplasty
- Thermal modification
- Scar tissue excision
- Fracture debridement

Wrist / Elbow / Ankle



safety Feature"

Excellent

VAPR has a comprehensive portfolio of innovatively designed electrodes to maximize performance in multiple arthroscopic procedures. Each electrode has an automatic default setting to ensure safe operation.

Ablation with Suction

The Low Profile Suction (LPS) electrode offers an efficient tip design that quickly targets and evacuates soft tissue, bubbles and debris for optimal visualization. The LPS electrode geometry creates a "VAPR Pocket" that ablates tissue 23%* faster than the leading competitor's electrode**.



Ablation without Suction

The Side Effect electrode provides rapid, precise ablation and coagulation of soft tissue for a wide variety of arthroscopic applications.



Service

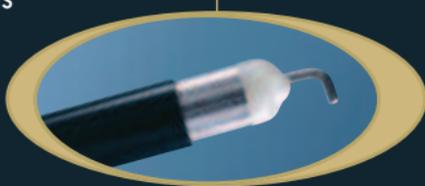
Work with trusted,

Performance

VAPR[®] Family of Electrodes

Cutting

The 90° Hook electrode precisely and simultaneously cuts and coagulates soft tissue.



Small Diameter

The 2.3mm diameter malleable tip design makes these VAPR electrodes useful for hard-to-reach areas of the knee. The solid-tip design delivers controlled energy precisely where it is needed to cut and contour soft tissue.



VAPR Electrodes

informed professionals

**Based upon comparison of the LPS electrode to ArthroCare's TurboVac[®] electrode. Data on file **IMS Data, published April, 2005. ¹TurboVac[®] is a registered trademark of Arthrocare.*

VAPR[®] Family of Electrodes

Small Joint

The 2.3mm diameter malleable tip and short shaft design makes this VAPR electrode useful for hard-to-reach areas of the wrist, ankle and elbow. The solid-tip design delivers controlled energy precisely where it is needed to cut and contour soft tissue.



Thermal

The Temperature Control electrode offers accuracy, safety and reliability for arthroscopic soft tissue thermal modification. The set temperature is achieved rapidly and is constantly monitored via sensors in the electrode tip.

