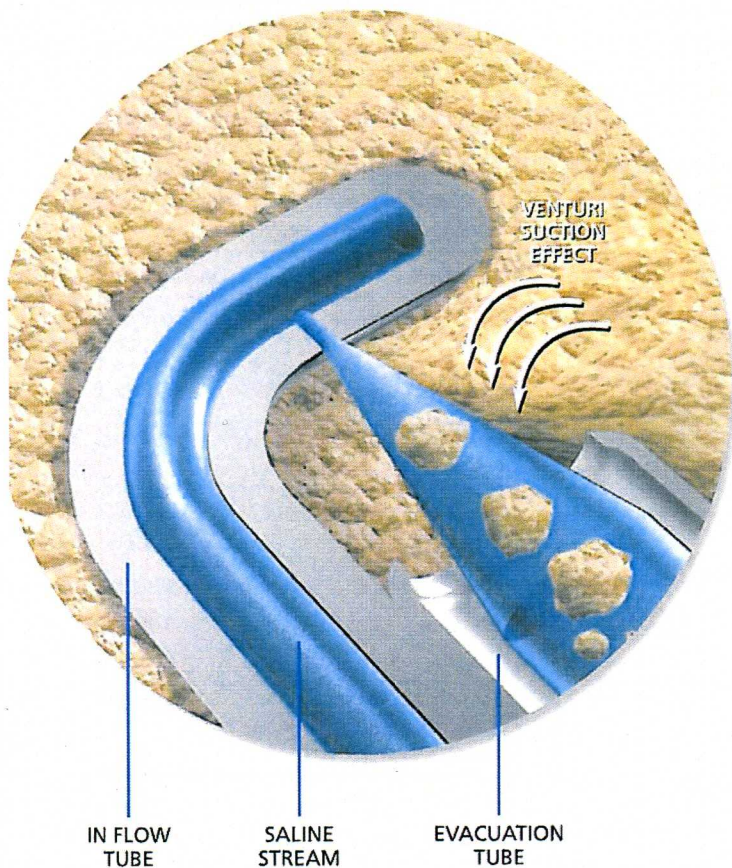


# Microdiscectomy Preparation



## HydroDiscectomy 27 Patients Total

0% Reherniations

2.8% 1 Patient

- Post-op recurrent radicular pain
- Reherniations

The difference in the rate of persistent leg pain and recurrent herniation was statistically significant ( $p < 0.025$ )\*\*

\*\*Hardenbrook et al. AANS/CNS, 2007

Feature	Advantage	Benefit
Fluid-Jet	Removes precise amount of nucleus to decompress the nerve root	Effective
	Power driven device allows the surgeon to control the quantity of disc material removed	Efficient
	Simultaneously cuts and aspirates nucleus reducing procedural time	Efficient
	Compatible with most retractor systems	Efficient
	Significantly reduces instrument passes by nerve root	Safe Efficient
	Instrument insertion depth measured by 1cm laser markings	Safe
	Excellent visualization of vital structures achieved by bayonet design	Safe
Cannula	Beveled tip protects nerve root without retraction	Safe
	Minimizes nerve root manipulation decreasing risk of post-operative radicular pain secondary to neurofibrosis	Safe Effective
	Smaller dilated annulotomy reduces risk of reherniation	Safe Effective
	Tactile depth indicator controls the precise depth of insertion	Safe
Dilator	Produces minimal residual annular defect reducing risk of reherniation	Effective

*"The SpineJet Micro 3.8 System reduced my reherniation rate and recurrent radicular pain in my high demand, active patient population."*

Mitchell A. Hardenbrook, M.D.\*  
Orthopedic Spine Surgeon  
Boston Spine Group - Boston, MA

**HydroCision®**  
The Leader in Hydrosurgery®

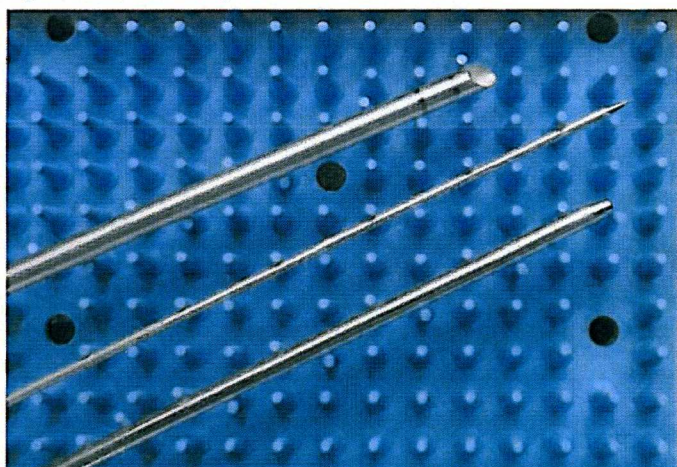


*"HydroDiscectomy allows me to perform a more precise and less invasive microdiscectomy procedure with minimal nerve root retraction. I believe the small size of the annulotomy will lead to quicker patient recovery and better outcomes with minimal chance of reherniation."*

Richard E. Nussbaum, M.D.  
Orthopedic Surgeon  
Los Angeles Orthopedic Institute, Los Angeles, CA

HydroCision Microdiscectomy New SpineJet Micro 3.8	VS.	Conventional Microdiscectomy
<b>Safe, 2 passes*</b> Cannula provides nerve root protection without retraction		<b>Many passes</b> Requires nerve root retractor
<b>Fast, 2 minute discectomy</b> Saves approximately 17 minutes when compared to conventional microdiscectomy <sup>††</sup>		<b>~19 minute discectomy</b>
<b>4.0mm dilated annulotomy</b> Smaller residual defect is associated with a decreased reherniation rate <sup>†††</sup>		<b>~6+mm annulotomy</b>
<b>New Technology</b> 2006 Medical Design Excellence Award Winner		<b>Old Technology</b>

## HydroDiscectomy Access Cannula Set



\*Former Director of Spine Surgery, Bone & Joint Institute, Naval Medical Center, Portsmouth, VA  
The opinions expressed represent the personal views of the author and do not necessarily represent the views of the Department of the Navy and Department of Defense.

††"Pass" refers to a single insertion of an instrument through the surgical site. †††Data on file. †††Carragee et al. JBJS, 2003  
HydroCision, SpineJet, and The Leader in HydroSurgery are registered trademarks of HydroCision, Inc.

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1000-2392 Rev A 5-08 05/08 TG-9713

## Ordering Information

### SpineJet Micro 3.8 Handpiece

Description	Catalog No.
SpineJet Micro 3.8 Handpiece (disposable, supplied sterile)	52320

### HydroDiscectomy Access Sets (reusable, supplied non-sterile)

Description	Catalog No.
4.0 HydroDiscectomy Access Cannula Set (Includes tray, needle, dilator, dilator knob and cannula)	56971

### Individual Kit Components (reusable, supplied non-sterile)

Needle, 20.5 cm (8 inch)	51739
Dilator	51740
Dilator Knob	52012
Cannula	52005
Tray	51786
HydroDrive Console (Console includes Foot Pedal and Power Cord)	52700

## HydroCision Customer Care Line 888.747.4470

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