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**HydroCision to launch *MicroResector MD™* at this week's
American Association of Neurological Surgeons (AANS) annual meeting**

**Recent study showed 'cutting-with-water' *HydroDiscectomy* spine procedure
to treat lumbar herniated disc required zero revision surgeries
compared to conventional *microdiscectomy* spine surgery,
17.6% of which required reoperations¹**

BILLERICA, Mass., April 17, 2007 — HydroCision® Inc. (www.hydrocision.com) announced today that it will launch a new product, MicroResector MD, at the 2007 annual meeting of the American Association of Neurological Surgeons (AANS), which convenes this week in Washington, D.C. The MicroResector MD is based on HydroCision's HydroDiscectomy™ platform.

HydroDiscectomy uses a high-velocity waterjet to quickly and safely decompress herniated discs, providing relief to patients suffering from chronic back and/or leg pain. The HydroDiscectomy procedure bridges the gap between conservative therapy and conventional open surgery. HydroDiscectomy can offer an option to patients who have failed conservative treatments. In a recent retrospective study of the outcomes of 27 patients who underwent a HydroDiscectomy procedure to treat their lumbar herniated disc, these patients required zero revision procedures within the first year after surgery, compared to 34 patients who underwent a microdiscectomy spine surgery using conventional techniques to treat a lumbar herniation, 17.6 percent of whom required a revision microdiscectomy within a year after surgery.

"While a great majority of conventional lumbar microdiscectomies realize good or excellent patient outcomes in the immediate post-op period, unfortunately longer follow-up of these patients reveals much less optimistic results," said Douglas J. Daniels, President and CEO of HydroCision. "The scientific literature reports up to a 26 percent recurrence of herniation after microdiscectomies are performed, and up to a 33 percent recurrence of pain, numbness, tingling and weakness in the legs post-operatively that is likely caused by the epidural scarring that results from a conventional lumbar microdiscectomy. The smaller annulotomy created in a HydroDiscectomy and the decreased nerve root manipulation in this procedure with our MicroResector MD product prevent these negative outcomes," added Daniels. "We can make a very strong case in favor of HydroDiscectomy using the MicroResector MD over conventional microdiscectomy as the procedure of choice to treat lumbar disc herniation."

About HydroCision

HydroCision (www.hydrocision.com) is a leading designer, developer and distributor of fluidjet-based surgical tools. This new, proprietary fluidjet technology is the basis of a new surgical modality, "HydroSurgery", which has positive clinical experience, novel features and versatility. The Company has developed a broad range of fluidjet-based products to meet the clinical and economic needs of multiple specialties.

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¹ Hardenbrook M, White S. HydroDiscectomy: a novel approach to lumbar microdiscectomy. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, 2007.