

**PediGuard® device from SpineGuard is recognized as
“the cutting-edge and the new gold standard in spine care”
by *Becker’s Healthcare***



Stéphane Bette, SpineGuard's Co-founder & US General Manager (left), receiving Becker's award during the 12th Annual Spine, Orthopedic and Pain Management-Driven ASC Conference in Chicago – June 12th

PARIS and SAN FRANCISCO (June 19, 2014) – SpineGuard (FR0011464452 – ALSGD), an innovative medical device company focused on improving spine surgery safety, announced today that its PediGuard device has been recognized by ***Becker's Healthcare*** with the 2014 Spine Device Award for advancing spine technology and patient care and representing both the cutting-edge and gold standard in spine care.

Becker's Healthcare publicly solicited recommendations for this list. The list was developed based on editorial research and expert surgeon reviews. Device manufacturers do not and cannot influence *Becker's Healthcare* to be included in this elite list.

PediGuard's ability to significantly improve accuracy of pedicle screw placement has been demonstrated in several clinical studies and published in specialty-leading peer-reviewed medical journals. "This award is a gratifying reward for SpineGuard's team, its shareholders and its partners. It is also a great encouragement to further advance our Dynamic Surgical Guidance platform for continuously improving patients' and healthcare professionals' safety, which is our company mission," said **Pierre Jérôme**, CEO & Co-founder of SpineGuard.

About pedicle screw-based stabilization

Pedicle screw-based stabilization has become the gold standard for treating spine instabilities and deformities. This market is growing due to the increasing number of patients requiring surgical treatment and a larger number of surgeons being trained in pedicle screw-based technologies. Technological advancements such as minimally invasive surgery, bone substitutes, dynamic stabilization and thoracic screws further reiterate the importance of pedicle screw placement. However, accuracy of pedicle screw placement remains a critical issue in spine surgery. In recently published papers studying screw placement accuracy, the average rate of misplaced screws is approximately 20% (Tian 2011, Gelalis 2011, Verma 2010) with 2-9% of patients presenting neurologic complications (Amato 2010, Amiot 2000, Waschke 2012) and 4-5% of patients having vascular complications (Sarлак 2009, Samdani 2009, Belmont 2002) due to misplaced screws.

About PediGuard®

Co-invented by Maurice Boursion, Ph.D., Ciaran Bolger, M.D., Ph.D., and Alain Vanquaethem, Biomedical Engineer, PediGuard is the world's first and only handheld device capable of alerting surgeons to potential pedicular or vertebral breaches. Real-time feedback is provided via audio and visual signals. Over 30,000 procedures have been performed with PediGuard on all continents. Several studies published in peer-reviewed medical and scientific journals have demonstrated that PediGuard detects 98% of pedicle breaches, presents an average screw placement accuracy of 97% (vs. 92% on average for navigation), provides 3-fold less pedicle perforations than with free-hand technique and a 3-fold reduction in neuro-monitoring alarms. It also limits radiation exposure by 25-30% and decreases by 15% the time for pedicle screw placement.

About SpineGuard®

Co-founded in 2009 by Pierre Jérôme and Stéphane Bette, former executives at Medtronic Sofamor-Danek and SpineVision, SpineGuard's primary objective is to establish its FDA-cleared and CE-marked PediGuard® device as the global standard of care for safer screw placement in spine surgery. SpineGuard's mission is to make spine surgery safer. The company is also exploring other applications for its Dynamic Surgical Guidance technology platform. SpineGuard has offices in San Francisco and Paris. For further information, visit www.spineguard.com.

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