

BECKER'S --- **SPINEREVIEW**

The key technological trends in spine for 2019

Written by Anuja Vaidya | March 14, 2019 | [Print](#) | [Email](#)



Twelve spine surgeons, neurosurgeons and pain specialists discuss the trends they expect to see in the spine technology arena this year.

***Ask Spine Surgeons** is a weekly series of questions posed to spine surgeons around the country about clinical, business and policy issues affecting spine care. We invite all spine surgeon and specialist responses.*

James Petros, MD. Founder and Medical Director of Allied Pain & Spine Institute (San Jose, Calif.):

Robot-guided spine surgery is a hugely significant development, and it will be the major technological trend to watch out for in 2019. Its cutting edge, safer approach means that surgeons can undertake less invasive operations that cause less trauma and encourage faster healing. Robot-guided spine surgery is also undertaken with reduced amounts of radiation, which is good for patients, surgeons and other healthcare providers. Reduced complication rates are also possible with this technology, not to mention the ability to pre-plan procedures that result in reproducible outcomes. Keep your eyes trained on robot-guided spine surgery this year, it's going to be very promising and very exciting!



James Petros, MD, CEO & President, Allied Pain & Spine Institute, Clinical Instructor, Stanford Health Care