Below is a statement from NuVasive, Inc. regarding its MAGEC rod technology:

MAGnetic Expansion Control (MAGEC®) rods are used to treat a relatively small subset of pediatric patients who suffer from rare, severe, progressive spinal deformities that can lead to life-threatening conditions caused by early-onset scoliosis. As such, treatment is not generally considered “elective.” For this patient population, there are a variety of treatment options—both surgical and non-surgical—and treatment is typically decided on between healthcare teams and patients after carefully weighing potential benefits and risks. Due to the challenging nature of early-onset scoliosis, complications can occur regardless of the chosen treatment. We encourage parents and patients to discuss the benefits and risks of treatment options with their doctors.

Some surgical treatment options include traditional fixed growing rods or magnetic, adjustable MAGEC rods.

- Traditional fixed growing rods require the child to undergo regular invasive surgeries to lengthen the rods as the child grows throughout their treatment, which can last several years.

- Magnetic, adjustable MAGEC rods are similar to traditional growing rods, but allow healthcare providers to lengthen the rods non-invasively during a short office visit, thereby helping to avoid the need for planned lengthening surgeries.

We stand alongside the families and doctors who have chosen MAGEC because it has been shown to be effective in treating early-onset scoliosis, while also helping to avoid increased pain, elevated complication rates, and psychological distress regularly encountered in planned rod lengthening surgeries in traditional fixed growing rod treatments. In addition, repeated exposure to anesthesia in children can lead to developmental delays and lower levels of cognitive function later in life.

At NuVasive, our top priority has always been the well-being of our patients. We are privileged to serve patients of all ages, and surgeons around the world, with leading technologies to improve the human condition against some of the most debilitating spine pathologies. We take that privilege seriously, and as part of our commitment to the highest standards of quality and safety, we follow the law and proper regulatory pathways to deliver that, in some cases, life-saving medical technology.

We see every day the challenges brought on by early-onset scoliosis and, while no technology in these patients is without risk, we have also seen MAGEC rebuild patient and family lives.

The MAGEC rod should be used in accordance with its indications for use within each region that it is used. Applicable clearances and approvals have been obtained and labels applied, according to local regulations.