Focused Ultrasound Case Study FDA Approved Indications Timelines



This year we worked with manufacturers to create a timeline from conceptual idea for an indication to FDA approval. When the technology was developed for treating the prostate, the use of focused ultrasound was truly innovative, and it took nearly three decades to go from idea to FDA-approved treatment. The indications to follow took considerably less time, with the more recent indications taking less than a decade. Essential tremor; Parkinson's disease, tremor; and Parkinson's disease, dyskinesia were approved in 7 or 8 years. The summary graph above provides a simplified overview of the timeline. A detailed timeline follows, as provided by the manufacturers for each of the FDA-approved indications

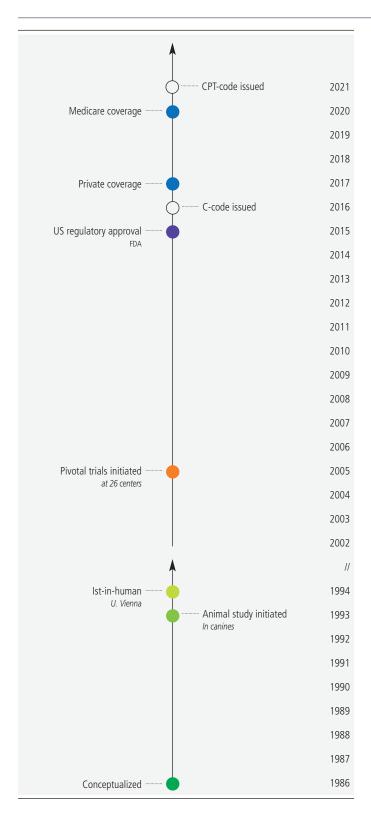
FDA Approved Indications Timeline Indications Transrectal prostate cancer Transurethral prostate cancer Uterine fibroids Bone metastases Essential tremor Parkinson's tyskinesia

86 // 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21

Transrectal Prostate Cancer



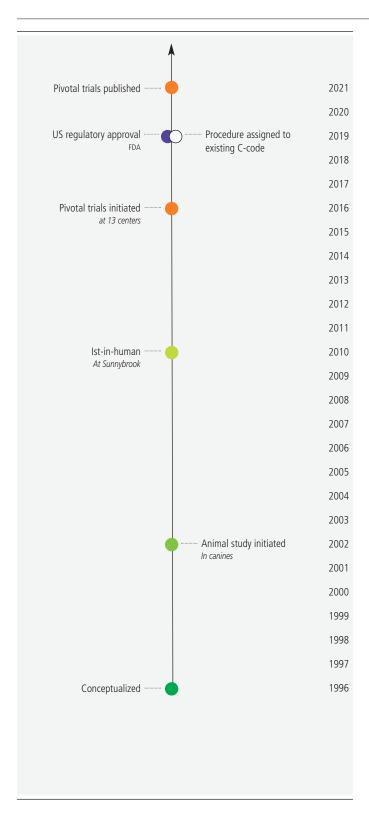




Transurethral Prostate Cancer



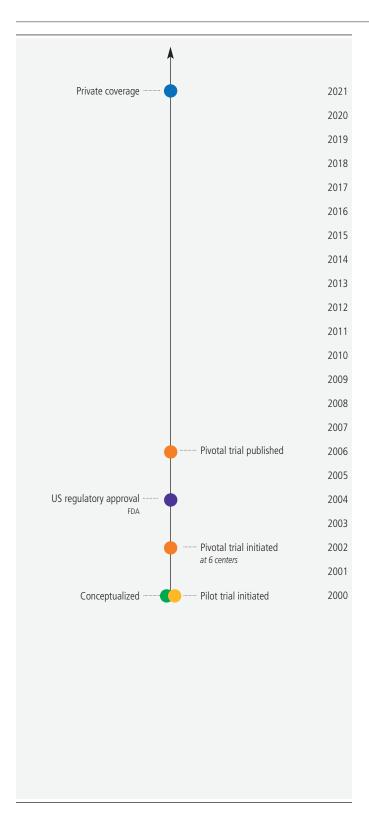




Indication Timeline Uterine Fibroids



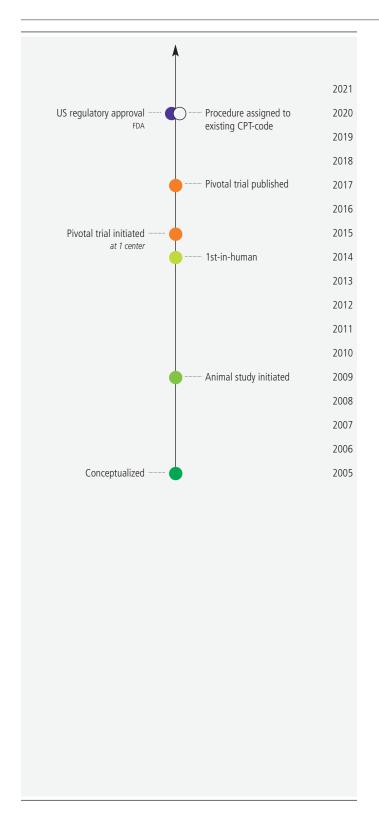




Osteoid Osteoma







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Bone Metastases

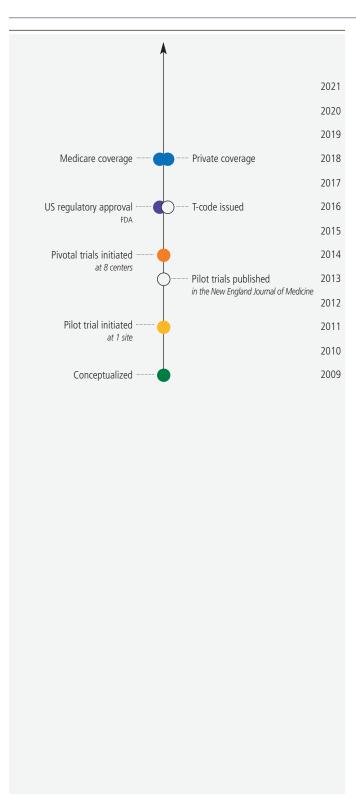




Essential Tremor





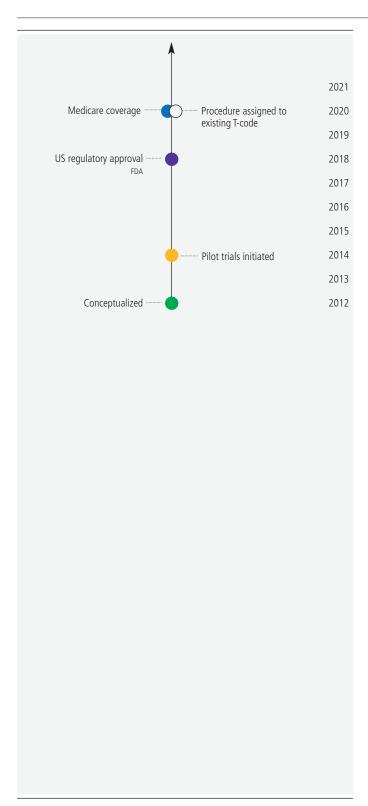


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Parkinson's Tremor



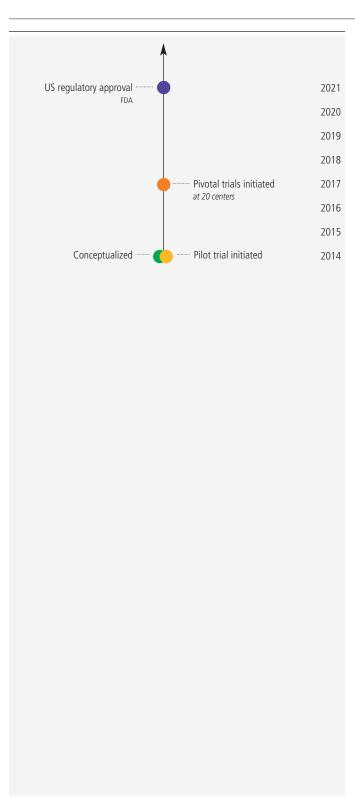




Parkinson's Dyskinesia









2022 State of the Field

This case study appears in the 2022 State of the Field Report which is available on the Foundation's website.

The report documents the progress that is only possible through the hard work, time, and resources of everyone in our community.

