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SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS)

MCG Health Ambulatory Care 25th Edition

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Link to Codes

- Coverage
- Application to Products
- Authorization Requirements
- Description of Item or Service
- Exceptions and Limitations
- Clinical Indications for Procedure
- Document History
- Coding Information
- References
- Codes

Coverage

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

See the appropriate benefit document for specific coverage determination. Member specific benefits take precedence over medical policy.

Application to Products

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

Policy is applicable to all products.

Authorization Requirements

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

Pre-certification by the Plan is required.

Description of Item or Service

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

Magnetic Resonance Guided Focused Ultrasound (MRgFUS) is the combination of magnetic resonance imaging techniques with focused high intensity ultrasound treatment.

Exceptions and Limitations

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

- Magnetic Resonance Guided Focused Ultrasound (MRgFUS) is NOT COVERED for ANY of the following:
 - Ablation of uterine fibroids
 - Treatment of head or voice tremor
 - Bilateral thalamotomy
 - Individual with any of the following contraindications:
 - Unstable cardiac disease
 - Coagulopathy
 - Risk factors for deep-vein thrombosis
 - Severe depression (defined by a score ≥20 on Patient Health Questionnaire 9 (PHQ-9))
 - Cognitive impairment (defined by a score of <24 on the Mini-Mental State Examination)
 - Previous brain procedure (transcranial magnetic stimulation, deep brain stimulation [DBS], stereotactic lesioning, or electroconvulsive therapy)
 - A skull density ratio (the ratio of cortical to cancellous bone) <0.45
- There is insufficient scientific evidence to support the medical necessity of Magnetic Resonance Guided Focused Ultrasound (MRgFUS) for uses
 other than those listed in the clinical indications for procedure section.

Clinical Indications for Procedure

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

- Magnetic Resonance Guided Focused Ultrasound (MRgFUS) is considered medically necessary for 1 or more of the following:
 - Magnetic Resonance Guided Focused Ultrasound (MRgFUS) unilateral thalamotomy for individual with essential tremor (ET) and ALL of the following
 - Medication refractory essential tremor (ET) (defined as refractory to at least 2 trials of medical therapy, including at least one first-line agent)
 - Moderate to severe postural or intention tremor of dominant hand (defined by score of ≥ 2 on Clinical Rating Scale for Tremor (CRST))
 - Disabling ET (defined by score of ≥ 2 on any of the 8 items in disability subsection of CRST)

- Has failed deep brain stimulation or is not able to tolerate the procedure due to other medical problems
- Magnetic Resonance Guided Focused Ultrasound (MRgFUS) unilateral thalamotomy for Individual with tremor-dominant Parkinson's disease and ALL of the following
 - Medication refractory tremor-dominant Parkinson's disease, defined as refractory (or intolerant) to levodopa or levodopa equivalent medications (LEDD) ≥ 900 mg
 - · Parkinson's disease with tremor dominant subtype
 - Severe and disabling tremor as indicated by documentation of specific activities in daily life that patient is unable to perform or has substantial difficulty performing secondary to tremors
 - Has failed deep brain stimulation or is not able to tolerate the procedure due to other medical problems
- Magnetic Resonance Guided Focused Ultrasound (MRgFUS) for Individual with bone pain and ALL of the following
 - Individual is not considered candidate for any other interventions
- Magnetic Resonance Guided Focused Ultrasound (MRgFUS) is NOT COVERED for ANY of the following :
 - · Ablation of uterine fibroids
 - Treatment of head or voice tremor
 - Bilateral thalamotomy
 - Individual with any of the following contraindications:
 - Unstable cardiac disease
 - Coagulopathy
 - Risk factors for deep-vein thrombosis
 - Severe depression (defined by a score ≥20 on Patient Health Questionnaire 9 (PHQ-9))
 - Cognitive impairment (defined by a score of <24 on the Mini–Mental State Examination)
 - Previous brain procedure (transcranial magnetic stimulation, deep brain stimulation [DBS], stereotactic lesioning, or electroconvulsive therapy)
 - A skull density ratio (the ratio of cortical to cancellous bone) <0.45

Document History

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

- · Revised Dates:
 - 2022: July (admin change), July (revision)
 - 2020: September
 - 2019: October
- · Reviewed Dates:
 - 2021: October
 - 2019: August
 - 2018: February
 - · 2017: March
- · Effective Date: January 2014

Coding Information

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

- · CPT/HCPCS codes covered if policy criteria is met:
 - CPT 0398T Magnetic resonance image guided high intensity focused ultrasound (MRgFUS), stereotactic ablation lesion, intracranial for
 - movement disorder including stereotactic navigation and frame placement when performed
 - HCPCS C9734 Focused ultrasound ablation/therapeutic intervention, other than uterine leiomyomata, with magnetic resonance (MR) guidance
- · CPT/HCPCS codes considered not medically necessary per this Policy:
 - CPT 0071T Focused ultrasound ablation of uterine leiomyomata, including MR guidance; total leiomyomata volume less than 200 cc of tissue.
 - CPT 0072T Focused ultrasound ablation of uterine leiomyomata, including MR guidance; total leiomyomata volume greater or equal to 200 cc of tissue.

References

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

References used include but are not limited to the following:

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Codes

Return to top of SHP Magnetic Resonance Guided Focused Ultrasound (MRgFUS) - AC

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