Medical Coverage Policy | Sensory Integration Therapy

EFFECTIVE DATE: 08|04|2009
POLICY LAST UPDATED: 09|17|2013

OVERVIEW

Sensory integration (SI) therapy has been proposed as a treatment of developmental disorders in patients with established dysfunction of sensory processing, e.g., children with autism, attention deficit hyperactivity disorder (ADHD), brain injuries, fetal alcohol syndrome, and neurotransmitter disease. Sensory integration therapy may be offered by occupational and physical therapists who are certified in sensory integration therapy.

PRIOR AUTHORIZATION

Not Applicable

POLICY STATEMENT

Sensory integration therapy as a treatment for children and adults with autism, mental retardation, or learning disabilities is considered not medically necessary as there is insufficient peer-reviewed scientific literature that demonstrates that the procedure/service is effective.

MEDICAL CRITERIA

None

BACKGROUND

The goal of sensory integration (SI) therapy is to improve the way the brain processes and adapts to sensory information, as opposed to teaching specific skills. Therapy usually involves activities that provide vestibular, proprioceptive, and tactile stimuli, which are selected to match specific sensory processing deficits of the child. For example, swings are commonly used to incorporate vestibular input, while trapeze bars and large foam pillows or mats may be used to stimulate somatosensory pathways of proprioception and deep touch. Tactile reception may be addressed through a variety of activities and surface textures involving light touch. A related method, auditory integration therapy, involves 10 hours of listening to electronically modified music over the course of 10 days.

Treatment sessions are usually delivered in a one-on-one setting by occupational therapists with special training from university curricula, clinical practice, and mentorship in the theory, techniques, and assessment tools unique to SI theory. The sessions are often provided as part of a comprehensive occupational therapy or cognitive rehabilitation therapy and may last for more than 1 year.

The American Academy of Pediatrics (AAP) stated in 2007 guidance that "the efficacy of SI therapy has not been demonstrated objectively." (12) Overall, the evidence remains insufficient to evaluate the effect of this treatment on health outcomes. A 2012 policy statement by the AAP on SI therapies for children with developmental and behavioral disorders states that "occupational therapy with the use of sensory-based therapies may be acceptable as one of the components of a comprehensive treatment plan. However, parents should be informed that the amount of research regarding the effectiveness of sensory integration therapy is limited and inconclusive." As noted by Kratz, "there exists very little research that supports the effectiveness of any intervention for children with chronic or mild disabilities across all disciplines." (11) Due to the individual nature of SI therapy and the large variation in individual therapists and patients, large multicenter randomized controlled trials are needed to evaluate the efficacy of this intervention. Therefore, sensory Integration therapy is considered not medically necessary as there is no proven efficacy.

COVERAGE

BlueChip for Medicare and Commercial:

Benefits may vary between groups/contracts. Please refer to the appropriate evidence of coverage or subscriber agreement for applicable Not Medically Necessary Services.

CODING

BlueChip for Medicare and Commercial:

The following CPT code is considered not medically necessary.

97533

RELATED POLICIES

None

PUBLISHED

Provider Update	Dec 2013
Provider Update	Oct 2012
Provider Update	Sep 2011
Provider Update	Dec 2010
Provider Update	Sep 2009

REFERENCES

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