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SHP Cone-Beam Computed Tomography Systems (CBCT)

AUTH: SHP Imaging 28 v2 (AC)

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Coverage

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

Application to Products

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Policy is applicable to all products

Authorization Requirements

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Pre-certification by the Plan is required.

Medical Director review is required.

Description of Item or Service

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Cone-Beam Computed Tomography (CBCT) is a type of Computed Tomography (CT) system that rotates around the individual to create a cone shaped image. This is often used for images of the jaw.

Exceptions and Limitations

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- Cone-beam computed tomography systems (CBCT) should not be used routinely for endodontic diagnosis or screening in the absence of clinical symptoms.
- There is insufficient scientific evidence to support the medical necessity of cone beam computed tomography for orthodontic/endodontic clinical conditions including but not limited to the following:
 - Replacement of teeth lost due to caries or periodontal disease
 - Non-trauma related dental implantology
 - Endodontic treatment not related to trauma to the natural tooth
- There is insufficient scientific evidence to support the medical necessity of cone-beam computed tomography systems (CBCT) for uses other than those listed in the clinical indications for procedure section.

Clinical Indications for Procedure

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- Cone-beam computed tomography systems (CBCT) is considered medically necessary with **ALL** of the following:
 - A Medical Director has reviewed the request
 - Plain x-rays are not sufficient for surgical planning for **1 or more** of the following indications:
 - Bisphosphonate-related osteonecrosis of the jaw
 - Cleft pathology
 - Dental implants related to tooth loss from injury, trauma, or jaw pathology such as cysts, tumors, or cancer
 - Dentoalveolar trauma
 - Foreign body
 - Impacted teeth
 - Maxillofacial bone graft planning
 - Odontogenic cysts, tumors, or other jaw pathology
 - Orthognathic surgery for dentofacial anomalies
 - Osteomyelitis and odontogenic infections (MRI is the preferred modality after x-ray)
 - Root resorption
 - Salivary gland stones
 - Supernumerary teeth
- Cone-beam computed tomography systems are **NOT COVERED** for **ANY** of the following:
 - Replacement of teeth lost due to caries or periodontal disease
 - Non-trauma related dental implantology
 - Endodontic treatment not related to trauma to the natural tooth
- Cone-beam computed tomography systems (CBCT) **should not be used** routinely for endodontic diagnosis or screening in the absence of clinical symptoms.

Document History

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- Revised Dates:
 - 2019: October
 - 2015: January
 - 2014: April
- Reviewed Dates:
 - 2022: June
 - 2021: August
 - 2020: August
 - 2019: February
 - 2018: February
 - 2017: March
 - 2016: January
- Effective Date: January 2014

Coding Information

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- CPT/HCPCS codes covered if policy criteria is met:
 - CPT 76497 – Unlisted computed tomography procedure (e.g., diagnostic, interventional)
- CPT/HCPCS codes considered not medically necessary per this Policy:
 - None

References

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References used include but are not limited to the following:

Specialty Association Guidelines; Government Regulations; Winifred S. Hayes, Inc; Uptodate; Literature Review; Specialty Advisors; National Coverage Determination (NCD); Local Coverage Determination (LCD).

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