



EFFECTIVE DATE: 08|07|2010
POLICY LAST UPDATED: 01|16|2018

OVERVIEW

Cone beam computed tomography (CBCT) is a medical imaging technique consisting of X-ray computed tomography where the X-rays are divergent, forming a cone. This policy documents that CBCT is not appropriate when used for medical diagnosis or surgical indications.

MEDICAL CRITERIA

None

PRIOR AUTHORIZATION

Not applicable

POLICY STATEMENT

BlueCHiP for Medicare and Commercial Products

Cone beam Computed Tomography(CBCT) scan is considered not medically necessary for medical or surgical indications when rendered by an eligible provider as the evidence is insufficient to determine the effects of the technology on health outcomes.

The current literature does not define the clinical conditions in which the cone beam imaging methodology is superior to or equal to Computed Tomography (CT) or other imaging techniques with respect to medical decision making or use in therapeutic procedures.

CBCT scan for dental purposes is considered a contract exclusion and is therefore non-covered.

COVERAGE

Benefits may vary between groups and contracts. Please refer to the appropriate Benefit Booklet, Evidence of Coverage or Subscriber Agreement for applicable “not medically necessary” benefits/coverage.

BACKGROUND

A CT scan is a diagnostic imaging method in which a computer is used to generate a three-dimensional image of an object using a series of two-dimensional X-ray image slices taken around a single axis of rotation. Cone beam refers to the type of X-ray projection, which allows users to image a small, well-defined volume such as the lower face and mouth at a low radiation dosage.

The current literature does not define the clinical conditions in which the cone beam imaging methodology is superior to or equal to CT or other imaging techniques with respect to medical decision making or use in therapeutic procedures.

CODING

BlueCHiP for Medicare and Commercial Products

There are no specific codes that address the cone-beam technique. Please submit claims with the following unlisted CPT, following the unlisted process

76497: Unlisted computed tomography procedure (eg., diagnostic, interventional)

RELATED POLICIES

Not applicable

PUBLISHED

Provider Update, March 2018
Provider Update, March 2017
Provider Update, March 2016
Provider Update, April 2016
Provider Update, June 2015
Provider Update, September 2014
Provider Update, March 2012
Provider Update, October 2010

REFERENCES

1. **Comparison of the accuracy of cone beam computed tomography and medical computed tomography: implications for clinical diagnostics with guided surgery.**
<http://www.ncbi.nlm.nih.gov/pubmed/23527357>

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