

Cone Beam Computed Tomography (CBCT)

The Texas Radiation Advisory Board (TRAB) and the Texas Department of State Health Services – Radiation Control (TDSHS-RC) are closely monitoring developments in the area of Cone Beam Computed Tomography (CBCT) as related to dental imaging.

Review of the radiation doses delivered as reported by equipment vendors and the scientific literature regarding CBCT procedures have been performed. The US Food and Drug Administration (US FDA) and the Council of Radiation Control Program directors (CRCPD) are currently examining this issue.

The TRAB encourages dental patients and the parents of dental patients who are children to actively seek information from their dental care provider regarding any proposed use of the CBCT procedure by the provider. The types of Information the TRAB recommends be sought are the following:

- the necessity for the CBCT procedure,
- lower radiation dose options and any significant negative clinical impact resulting from use of a lower radiation dose, and
- the health risks associated with the radiation dose delivered during the CBCT procedure.