According to National Dental and Craniofacial Research (Bethesda, MD., 2014), fluoride could aid and increase salivary flow and used as protection from developing radiation induced caries.  Dental professionals should recommended high-potency fluoride gel, delivered with a custom made gel-applicator trays. Several days before radiation therapy begins, patients should start a daily 10-minute application of a 1.1% neutral pH sodium fluoride gel or a 0.4% stannous fluoride gel (Bethesda, MD., 2014). If the patient has porcelain crowns, resin or glass ionomer restorations they should use a neutral pH fluoride. It is important that the trays cover all the tooth structures without irritating/touching the gingival or mucosal tissues.

**What the Oncologist Can Do**

The oncologist also plays an influential role to a patient’s oral health when undergoing radiotherapy treatment. It is the oncologist that should strongly recommend the need of a dental evaluation before the treatment starts once the patient is diagnosed. The oncologist team should be considering radio-protectant uses, like amifostine, which reduces the severity/risk of xerostomia. During the radiotherapy the oncologist should be consulting and should making sure the patient is properly following the recommended oral hygiene instructions whether it is in the