Aim: The aim of this presentation was to discuss possible causes and the terminology of tooth eruption problems.

Materials and methods: Clinical findings, periapical, panoramic and cone beam computed tomography imaging examinations of patients with delayed primary or permanent tooth eruption were evaluated. Possible causes of delayed tooth eruption was determined.

Results: Possible causes of delayed tooth eruption were determined as odontogenic cysts and tumors like dentigerous cysts, odontomas; supernumerary teeth; ankylosis; premature loss of primary tooth; lack of resorption of deciduous tooth; positional deviations and systemic disease like hypothyroidism.

Conclusion: The clinicians should be aware of possible causes of delayed tooth eruption in order to prevent retarded and difficult treatment procedures.