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Case Report: Management of a Patient with Primary Failure of Eruption

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An 8 year old male patient presented with failure of eruption of permanent teeth. This patient is fit and well with no family history of this. All deciduous teeth were still present and radiographic examination showed all permanent teeth (apart from third molars) were unerupted and of sound anatomy.

No cause for this patient's delayed eruption has been found. The patient has attended genetic specialists and multiple dental specialists to diagnose. The working diagnose currently is primary failure of eruption with no genetic or anatomical cause.

At age 9 the patient underwent surgery to expose upper central incisors and all permanent first molars. Initially this appeared to have been successful, however, at a review 10 months after, only one cusp tip from the Lower left molar and part of the labial surfaces of upper incisors was erupted.

Following a multidisciplinary meeting, a complete upper overdenture and a lower partial denture was made for the patient. These will need to be replaced every 18 months roughly until the patient has fully grown. Considerations for the future will be to reattempt exposure of permanent teeth although unsuccessful before or providing implant retained prosthesis.

Biography:

Maria Jackson graduated from University of Liverpool in 2017 in Bachelor of Dental Surgery. She has since worked in a general dental practice, community dental service centre, 2 different dental hospitals and 3 different general hospitals. She is looking to specialise in Special care dentistry and is currently undertaking a DCT 3 year at Liverpool Dental Hospital.