

## Class II restoration of a primary molar

Procedure/Study by  
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myRingjunior



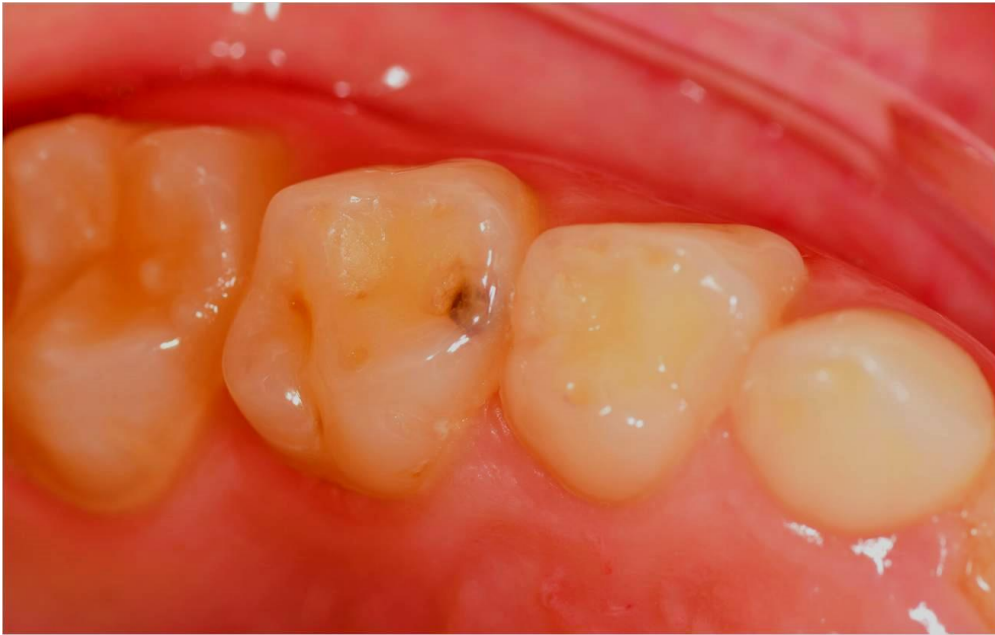
Martina Sabová graduated in 2012 at Comenius University in Bratislava, Slovakia. Since that time, she has been specialized in treating paediatric patients. In her every day practice she is mostly dealing with uncooperative children. As a member of POPI Slovakia (Institute of Process Oriented Psychology), she emphasizes the importance of psychological approaches for managing pediatric patients' behavior. She yearly attends international courses and hands-on trainings in the field of dentistry. She has been also lecturing paediatric dentistry, aesthetic dentistry and doing workshops for students of dental faculties in the capital of Slovakia. She is also a member of IAPD (*International Association of Paediatric Dentistry*), a member of ESCD (European Society of Cosmetic Dentistry), a Key Opinion Leader for 3M Science Applied to Life in Slovakia and a StyleItaliano Silver member.

## Case Report

The young patient came for a periodic checkup. After a preliminary analysis we found a class II mesial carious lesion on primary molar 6.5.

Since the dimensions of the carious lesion were limited, we decided to proceed with a direct composite restoration procedure using myJunior kit from Polydentia.

The kit includes two different rings, myClip Junior and myRing Junior. Although the sectional matrix ring myClip Junior can be positioned without forceps (which intimidate children) - just with the fingers - we chose myRing Junior as it represents an ideal sized sectional matrix ring for the restoration on this young patient.



01

Pre-operative situation. Though the patient reports no symptom, the preliminary analysis revealed a class II carious lesion on primary molar 6.5.



02

The quadrant after rubber dam isolation.

03



Pre-wedging and cavity preparation. Enamel and infected dentin were removed first. The cavity was then cleaned until the hard dentin was found and disinfected.

04

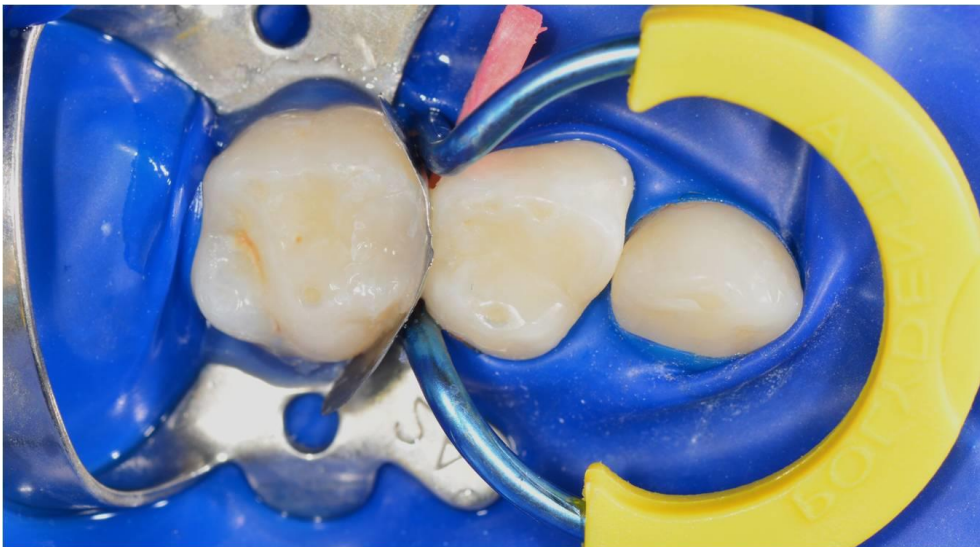


For this restoration, we used myRing Junior and a Quickmat Junior sectional matrix. myRing Junior fits perfectly into the young patient's small mouth, while the Quickmat Junior sectional matrix offers the ideal height for restoring the contact surface of the primary teeth.



05

Once the sectional matrix system was placed, we started with the adhesive procedure. As first etching of the enamel was performed using 35% orthophosphoric acid; after that, a single universal adhesive was used to increase the bonding forces in the enamel.



06

The clinical situation after modelling the occlusal area and polymerization.



07

Finishing procedure: myRing Junior, wooden wedge and Quickmat junior sectional matrix were removed. Thanks to the optimal matrix adaption in the interproximal area, no long shaping operations were necessary before polishing.



08

Clinical situation after 1 week.

## Conclusion

Children restorative treatments are easier thanks to myRing Junior and the paediatric solutions from Polydentia. Class II's restorations are more comfortable and more efficient thanks to the small dimension of the sectional matrix ring and the junior matrices, as they ensure a perfect fit on deciduous teeth and prevent time-consuming composite flashes. In addition, the restorations are more pleasant because my little patients do not have to deal with long treatment times.