

## 3M<sup>SM</sup> Health Care Academy

### Replacement of an all-ceramic crown featuring dual-arch impression tray technique.

Clinical dentistry and photography by: Dr Gunnar Reich, Munich, Germany  
Lab work by: MDT Nicole Freund, Tutzing, Germany

#### About the case

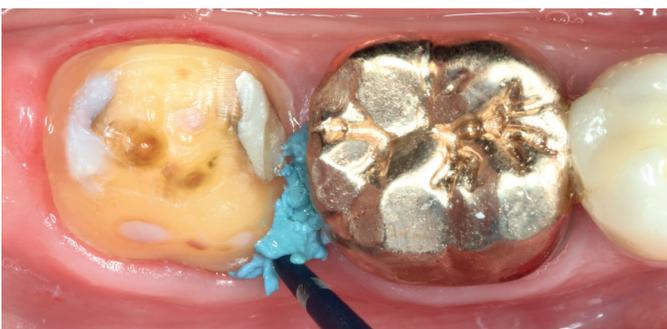
Patient with a chipped all-ceramic crown on second molar: Impression made with 3M™ Impregum™ Super Quick Polyether Impression Material (Medium and Light Body) using the dual-arch bite impression technique.



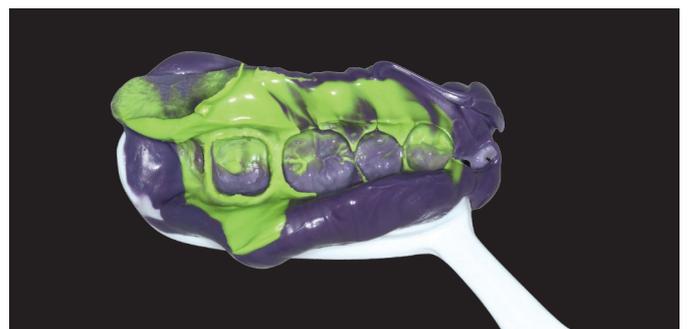
**Figure 1:** Initial situation: Patient arrived with a largely chipped veneered zirconia crown on second lower molar.



**Figure 3:** For single-unit indications, the dual-arch bite impression technique is a viable alternative to full-arch impressions. 3M™ Impregum™ Super Quick Light Body Polyether Impression Material was applied using 3M™ Intra-oral Syringe Purple.



**Figure 2:** 3M™ Astringent Retraction Paste was used for moisture management and slight displacement of gingiva.



**Figure 4:** In parallel, the tray was loaded with 3M™ Impregum™ Penta™ Super Quick Medium Body Polyether Impression Material. The impression was done in the dual-arch bite (closed mouth) impression technique.



**Figure 5:** Final situation: Precisely fitting monolithic 3M™ Lava™ Esthetic Fluorescent Full-Contour Zirconia restoration in situ. The crown was cemented with 3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement.

## Contact 3M

3M Health Care Academy

### Australia

3M.com.au/dental

### New Zealand

3M.co.nz/dental



## Scientific Affairs

### Stephen Langdon

Email: [sdlangdon@mmm.com](mailto:sdlangdon@mmm.com)

### Janice Pitt

Email: [jpitt3@mmm.com](mailto:jpitt3@mmm.com)

### 3M Oral Care

**3M Australia Pty Limited**  
 Building A, 1 Rivett Road  
 North Ryde, NSW 2113  
 Ph: 1300 363 454  
[www.3M.com.au](http://www.3M.com.au)

**3M New Zealand Limited**  
 94 Apollo Drive  
 Rosedale, Auckland 0632  
 Ph: 0800 80 81 82  
[www.3M.co.nz](http://www.3M.co.nz)



Find us on Facebook

Published by 3M oral Care. 3M, “3M Science. Applied to Life.”, Impregum, Lava, Penta and RelyX are trademarks of 3M. 3M Health Care Academy is a service mark of 3M. Please recycle. © 3M 2018. All rights reserved.

Please always follow the Instructions for Use (IFU) and refer to the IFU for full indications, precautions and warnings.

Dr Reich has received an honorarium from 3M Oral Care.