

Dr Edouard Lanoiselée

Graduate of the Faculty of Dental Surgery of Nantes

Partner at a general practice in Nozay (44)

Former university hospital assistant at the Teaching and Research Center of the University Hospital of Nantes, department of prosthesis.

CES oral biology

CES total removable prosthesis

CES fixed prosthesis

CES partial removable prosthesis

Master 1 Medical Sciences



Lecturer:

University degree of aesthetics of Nantes: Photography, Transmission of color, CAD/CAM, Practical work.

CES fixed prosthesis of Nantes: Shade selection

Master 1 EU Orofacial Health Sciences of Nantes: CAD/CAM and dental prosthesis.

Second cycle, faculty of dental surgery of Nantes: dental CAD/CAM.

Specialties:

Cemented restorations, computer-aided design and manufacturing

City/Country: Nozay, France

“ AESTHETIC DENTISTRY DAILY, THE CONTRIBUTION OF THE SPECTROPHOTOMETER RAYPLICKER™ ”

PATIENT

Ms. C, 30 years old, with no medical history, comes to the practice due to a dental pain in the lower left. On clinical examination, we note a fracture of the lingual cuspid of 35, as well as old and failed amalgam restorations.



CLINICAL DESCRIPTION

After the establishment of an operating field (dental dam), the amalgam restorations are deposited and replaced by composite restorations (Essentia Universal GC)



DIAGNOSIS:

The 35 is very dilapidated, prosthetic restoration should be considered to sustain the tooth on the arcade.



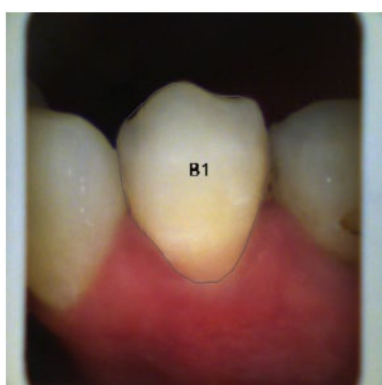
The tooth after preparation of the veneerlay

SHADE TAKING

Shade taking is made thanks to Rayplicker™ device. It enables to obtain in one acquisition the following information.



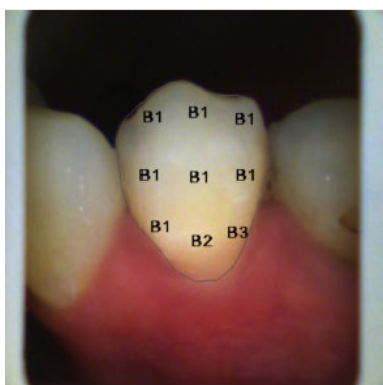
Polarized picture



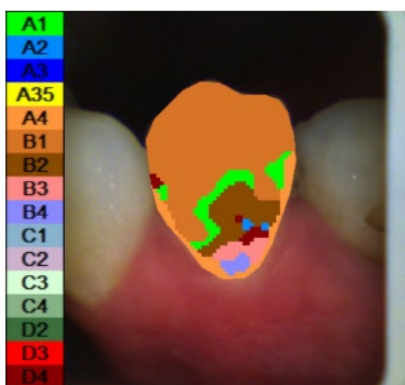
Overall shade



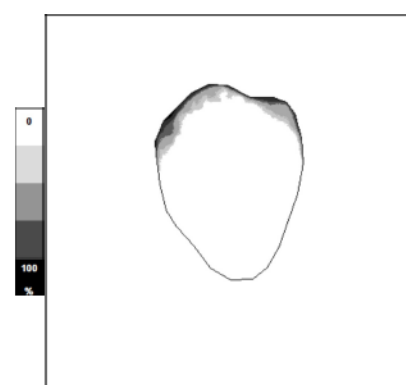
3 parts mapping



9 parts mapping

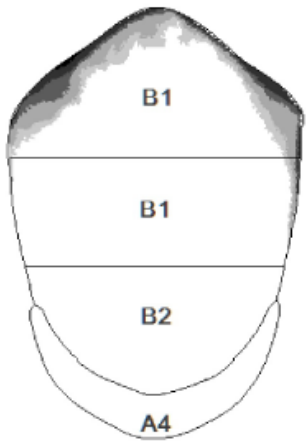


Detailed tooth mapping



Translucency

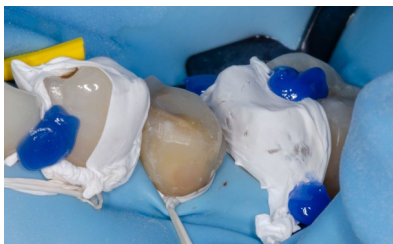
A production file is then created directly on Rayplicker™ software and all information (Shade analysis and production file) are sent via cloud to the laboratory.

<p>LANOISELEE Edouard</p> <p>LANOISELEE Edouard</p> <p>110 impasse des Terrasses de la Chesnaie 44170 Nozay 0240794083</p>	<p>BONGERT</p> <p>123 Rue Jacques Yves Cousteau 85000 Mouilleron-le-Captif 0251626100</p>																																
<p>17-sept.-2018 Bon de commande N° 19</p> <hr/> <p>Patient : Type de commande : Conjointe</p> <p>Genre : Dent(s) de production : Feminin</p> <table border="1" data-bbox="774 869 1257 936"> <tr> <td>18</td><td>17</td><td>16</td><td>15</td><td>14</td><td>13</td><td>12</td><td>11</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td> </tr> <tr> <td>48</td><td>47</td><td>46</td><td>45</td><td>44</td><td>43</td><td>42</td><td>41</td><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td> </tr> </table> <p>Âge : 32</p>		18	17	16	15	14	13	12	11	21	22	23	24	25	26	27	28	48	47	46	45	44	43	42	41	31	32	33	34	35	36	37	38
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48	47	46	45	44	43	42	41	31	32	33	34	35	36	37	38																		
<p>Date de livraison : 18-oct.-2018</p> <p>Type de prothèse : Céramo céramique monolithique Emax</p> <p>Type de moignon : Naturel</p> <p>Couleur du moignon : A3</p>	 <p>Teintier : Vita classical</p> <p>RAYPLICKER</p>																																

Cette commande a été réalisée à l'aide du système Rayplicker™. Plus d'informations sur www.borea.dentif.



The assembly is performed by gluing under operative field (dental dam), using a photo-polymerizable composite (Gaenial universal injectable, GC). This technique allows a removal of excesses easier.

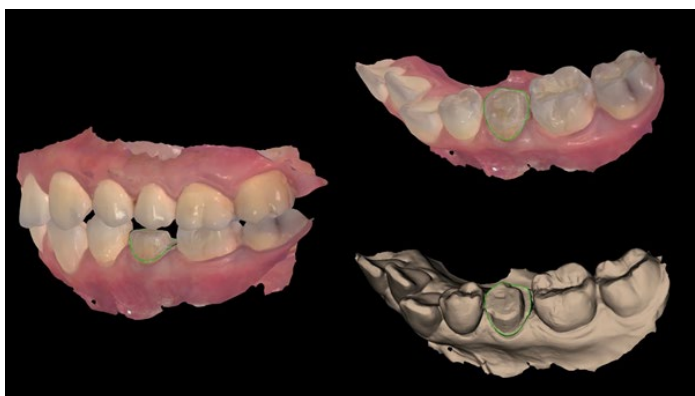


Control of the prosthesis at 3 weeks.

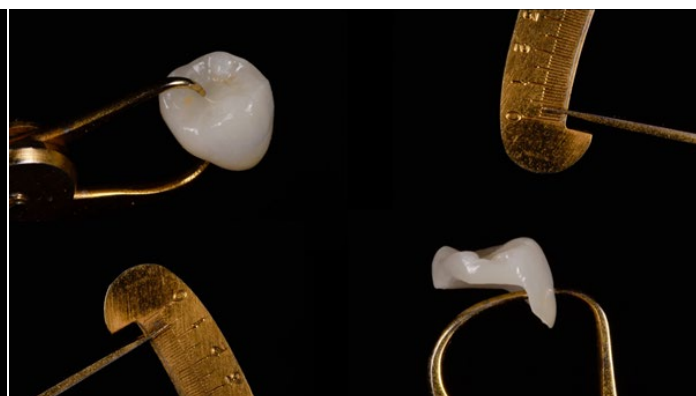
LABORATORY

Digital-LABS® (Bongert Laboratory, La Roche-sur-Yon) specializes in the design and computer-assisted manufacturing of optical impressions (all systems) for the realization of digital prostheses.

MATERIALS AND METHOD



Optical fingerprint system Trios 3 (3Shape®)



Ceramic Emax (Ivoclar vivadent®)

CONCLUSION

The use of Rayplicker allows the dentist to perform a simple and complete color analysis, applicable for both direct and indirect restorations. It optimizes the transmission of color information to the laboratory, using a reproducible protocol. It allows the integration of clinical photos allowing the dental technician to characterize the tooth finely to make the restoration as discreet as possible. Rayplicker is a integrates fully in the digital workflow of a prosthetic procedure.