



DSD Direct Pressed



Product
exclusively
Developed
by:

DSD | PLANNING
CENTER

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i Previous Necessary Material to use the pressed technique



1. Resin: [IPS Express Direct](#)



2. Splint resin: [Custom Tray Resin](#)



3. Insulator: [Palaform](#)



4. Polytetrafluoroethylene (Teflon)



5. Digital heater (65°C - 5 min): [Kettle](#)



6. Ziploc Bag



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0 Initial Situation of the patient



Case by:
Dr. Felipe Miguel Saliba (DSD KOL) &
Dra. Fernanda Camargo (DSD KOL)

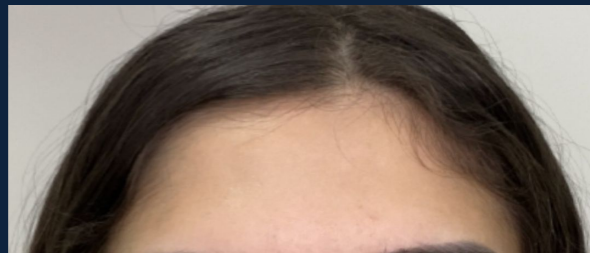
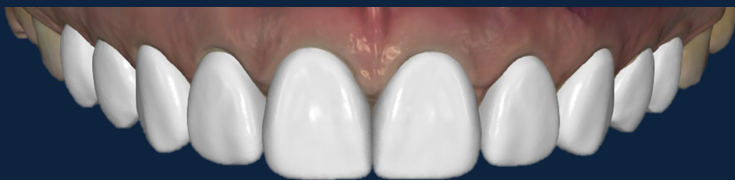




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- 1 Adapt the previous Ideal Design to the cervical and occlusal margins





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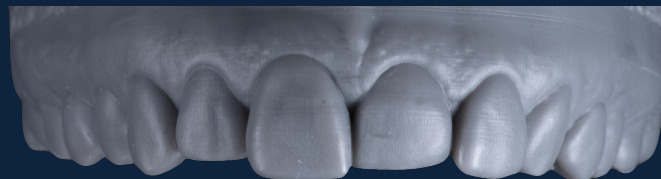
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1 Direct Pressed Design and Printed Models

Interleaved Direct Design. 1/2



Interleaved Printed Model. 1/2



Full Direct Design. 2/2



Full Printed Model. 2/2





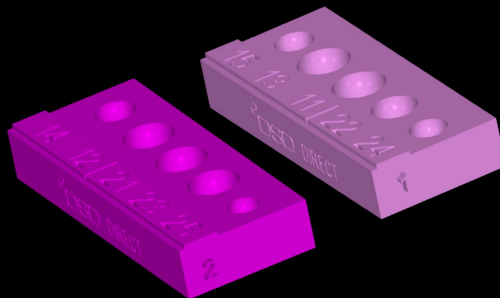
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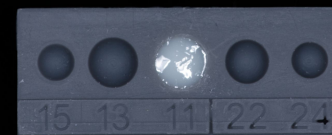
2 Dispenser Trays. Place the resin into each cavity

Teeth ADA	Teeth FDI	Weight (mg) + incr. (20%)
2	17	0,00
3	16	0,00
4	15	87,56
5	14	154,53
6	13	134,07
7	12	111,39
8	11	161,75
9	21	165,80
10	22	106,93
11	23	119,92
12	24	68,61
13	25	0,00
14	26	0,00
15	27	0,00
TOTAL		1110,55

Weight table of each restoration



Resin dispensers for each restoration



3D printed portioners with resin placed in the cavities corresponding to each restoration

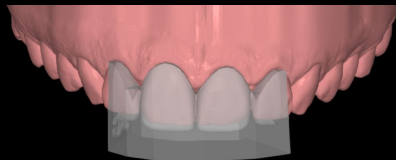


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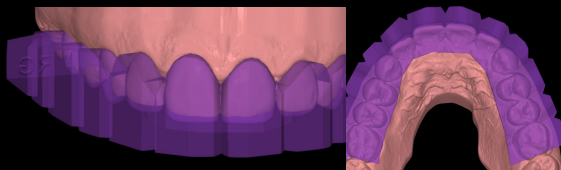
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3 Guides Design. Injection (design teeth) and isolation (adjacent teeth).

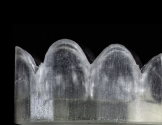
GUIDE 0 Color guide



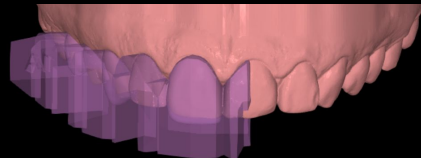
REPARATION GUIDE



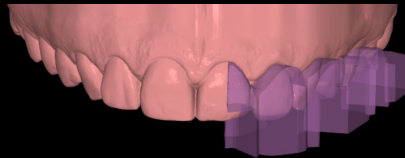
3D PRINTING GUIDES



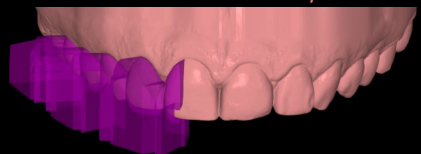
GUIDE 1A Injection: 15, 13 and 11.
Isolation: 16, 14, 12 and 21.



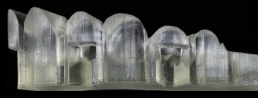
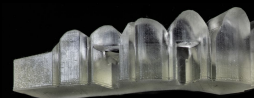
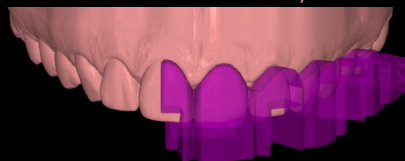
GUIDE 1B Injection: 22 and 24.
Isolation: 21, 23 and 25.



GUIDE 2A Injection: 14 and 12.
Isolation: 15, 13 and 11.



GUIDE 2B Injection: 21, 23 and 25.
Isolation: 11, 22 and 24.



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4 Guides details.



Placing the color guide with the resin inside



Placing the resin in the portioner holes



Resin compaction on the guide



Insert into plastic bag



Matrix immersion in heated water (65°C)

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4 Direct Pressed Technique Details.



Initial situation



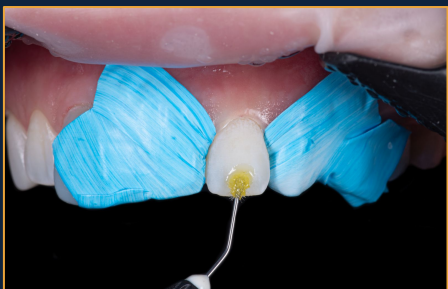
Teeth isolation



Etching



Clean and dry



Bonding



Light-Curing



Guide insertion with heated resin



Light-Curing

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4 Finishing and polishing

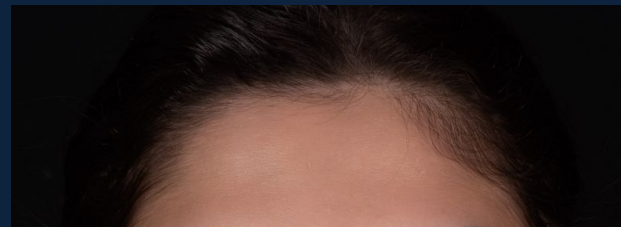
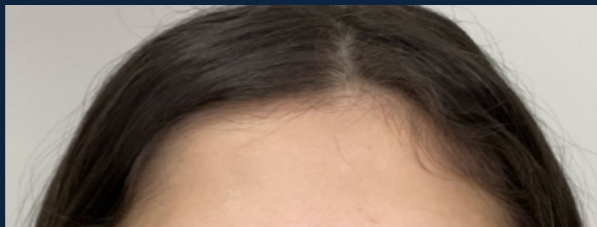




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5 Initial Situation - Direct Pressed Planning - Final Result



Case by: Dr. Felipe Miguel Saliba (DSD KOL) & Dra. Fernanda Camargo (DSD KOL)

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[DSD Direct Pressed Manufacture](#)

ii Some recommendations

The manufacturing of the DSD Direct Pressed is complex. It requires taking into account several important aspects that ensure correct use of the technique (splints resin, insulator, insertion models into splints, portioners, etc). Therefore, in the first cases we recommend manufacturing with our DSD LAB to guarantee correct quality of the DSD Direct Pressed product. When you are confident you have grasped the performance of the DSD Pressed technique, you can proceed to manufacture the stents locally, from the DSD Pressed Design product.





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