



CAPSTONE: SIMULATED COMPLEX PATIENT

Isaiah Wood – DDS 2025

INDIVIDUAL PROJECT GOALS

01

AESTHETICS

My preparations and restorations will go beyond functional - they will be beautiful, too.

02

ORGANIZATION

I will stay on task and remain organized at all times to increase efficiency and reduce mistakes.

03

TIMELINESS

I will treat this exercise as if it were real, respecting my patient's time as well as my own.

PATIENT:

39 year old, Caucasian, Male

“My upper back tooth is done-zo and my band is going on tour this summer so I need to fix this trash smile, bro.”

~ **Bryan Norton**

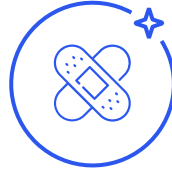


PATIENT HISTORY



MEDICAL Hx

High Cholesterol



DENTAL Hx

Ant. Trauma (“party accident”),
Missing #7 & #13



MEDICATIONS

Lipitor (20mg Daily)
Atorvastatin



ALLERGIES

Cats & Latex
(Rxn not provided)



SOCIAL HX

Member of a band



CARIES RISK

High

EXTRAORAL PHOTOS



INTRAORAL PHOTOGRAPHS



**#14 Fractured DL Cusp
w/ recurrent D Caries**



*Photo provided as an example

HT & PERIO EXAM FINDINGS

PERIO DIAGNOSIS

Stage 1 Grade A

RESTORATIONS

#6 DL Composite
#8 MIFLD Composite
#12 MO Amalgam
#14 MOL Amalgam

RESTORATIVE NEEDS

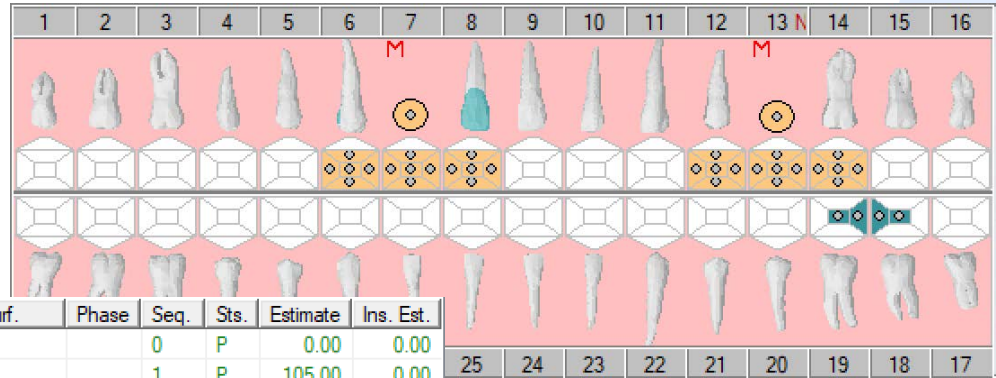
#7 Missing
#13 Missing
#14 Fractured DL Cusp
#14 Recurrent D Decay
#18 M D2 Lesion
#19 D D2 Lesion

DISORDERS

Bruxism:
generalized wear & attrition



ACCEPTED Tx PLAN

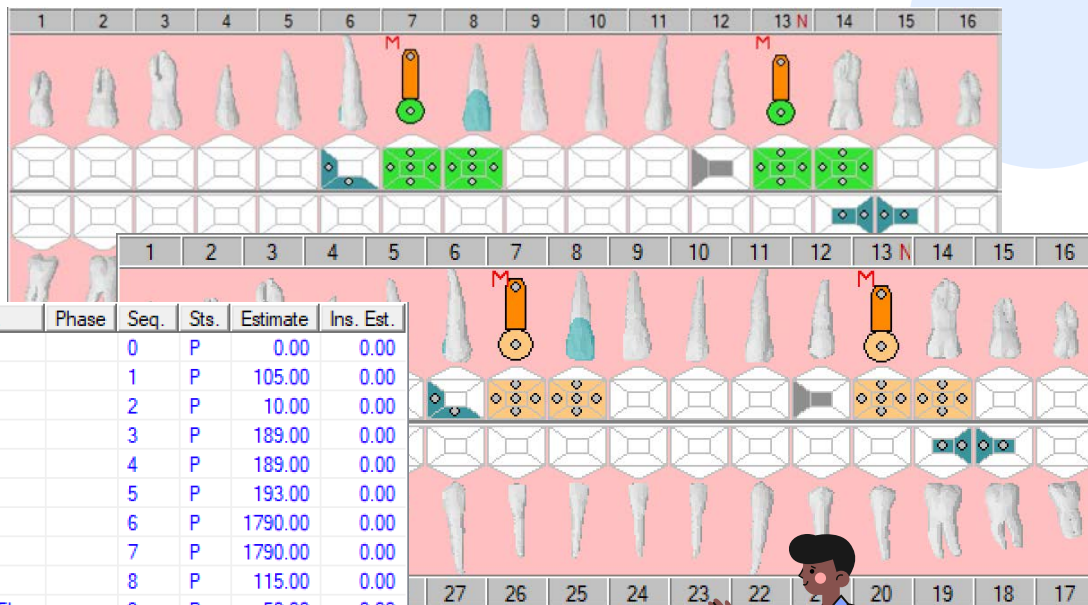


Diagnosis	Procedure	Procedure Description	Site	Surf.	Phase	Seq.	Sts.	Estimate	Ins. Est.
Healthy Periodontium	D1330	Oral hygiene instructions				0	P	0.00	0.00
Healthy Periodontium	D1110	Prophy - adult / tooth structures ...				1	P	105.00	0.00
Healthy Periodontium	D0015	High Fluoride Toothpaste (D/C)				2	P	10.00	0.00
Primary active moder	D2392	Resin-based comp-2 surf. post.	18	MO		3	P	189.00	0.00
Primary active moder	D2392	Resin-based comp-2 surf. post.	19	DO		4	P	189.00	0.00
Loss of teeth due to	D2950	Core buildup - including pins	6			5	P	115.00	0.00
Loss of teeth due to	D2950	Core buildup - including pins	8			6	P	115.00	0.00
Loss of teeth due to	L6740-1	retainer-crown-porc-Mastercast	6			7	P	0.00	0.00
Loss of teeth due to	D6740	Retainer crown - Porcelain/cera...	6	MIDFL		7	P	909.00	0.00
Loss of teeth due to	D6245	Pontic-porcelain/ceramic	7			7	P	909.00	0.00
Loss of teeth due to	L6245-1	pontic-porc-Mastercast	7			7	P	0.00	0.00
Loss of teeth due to	L6740-1	retainer-crown-porc-Mastercast	8			7	P	0.00	0.00
Loss of teeth due to	D6740	Retainer crown - Porcelain/cera...	8	MIDFL		7	P	909.00	0.00
Enamel and Dentine f	D2950	Core buildup - including pins	12			8	P	115.00	0.00
Enamel and Dentine f	D2950	Core buildup - including pins	14			9	P	115.00	0.00
Enamel and Dentine f	D6740	Retainer crown - Porcelain/cera...	12	MODBL		10	P	909.00	0.00
Enamel and Dentine f	L6740-1	retainer-crown-porc-Mastercast	12	MODBL		10	P	0.00	0.00
Enamel and Dentine f	D6245	Pontic-porcelain/ceramic	13			10	P	909.00	0.00
Enamel and Dentine f	L6245-1	pontic-porc-Mastercast	13			10	P	0.00	0.00
Enamel and Dentine f	D6740	Retainer crown - Porcelain/cera...	14	MODBL		10	P	909.00	0.00
Enamel and Dentine f	L6740-1	retainer-crown-porc-Mastercast	14	MODBL		10	P	0.00	0.00
Attrition of teeth	L9940	Night guard	UA			11	P	0.00	0.00
		Estimated Total						6407.00	0.00

25 24 23 22 21 20 19 18 17



ALTERNATE Tx PLAN ONE

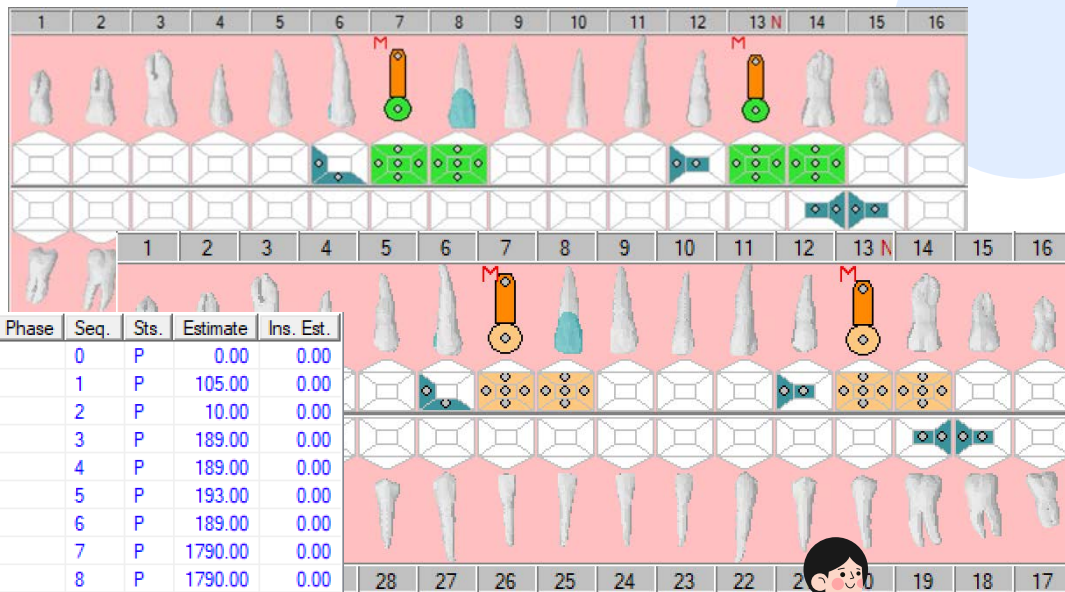


Diagnosis	Procedure	Procedure Description	Site	Surf.	Phase	Seq.	Sts.	Estimate	Ins. Est.
Healthy Periodontium	D1330	Oral hygiene instructions				0	P	0.00	0.00
Healthy Periodontium	D1110	Prophy - adult / tooth structures ...				1	P	105.00	0.00
Healthy Periodontium	D0015	High Fluoride Toothpaste (D/C)				2	P	10.00	0.00
Primary active moder	D2392	Resin-based comp-2 surf. post.	18	MO		3	P	189.00	0.00
Primary active moder	D2392	Resin-based comp-2 surf. post.	19	DO		4	P	189.00	0.00
Primary active moder	D2331	Resin-based comp-2 surf. ant.	6	DL		5	P	193.00	0.00
Loss of teeth due to	D6010	Surg placement, endosteal impl	7			6	P	1790.00	0.00
Loss of teeth due to	D6010	Surg placement, endosteal impl	13			7	P	1790.00	0.00
Enamel and Dentine f	D2950	Core buildup - including pins	8			8	P	115.00	0.00
Enamel and Dentine f	D6793	Provisional retainer crown	8	MIDFL		9	P	50.00	0.00
Loss of teeth due to	D6253	Provisional pontic	7			9	P	86.00	0.00
Enamel and Dentine f	D2950	Core buildup - including pins	14			10	P	115.00	0.00
Enamel and Dentine f	D6793	Provisional retainer crown	14	MODBL		11	P	50.00	0.00
Loss of teeth due to	D6253	Provisional pontic	13			12	P	86.00	0.00
Attrition of teeth	L9940	Night guard	UA			13	P	0.00	0.00
Loss of teeth due to	D6065	Single crown, impl supp (screw r...	7	MIDFL		14	P	1737.00	0.00
Loss of teeth due to	L6065-1	implant supp porc crown-Master...	7	MIDFL		14	P	0.00	0.00
Loss of teeth due to	D6065	Single crown, impl supp (screw r...	13	MODBL		15	P	1737.00	0.00
Loss of teeth due to	L6065-1	implant supp porc crown-Master...	13	MODBL		15	P	0.00	0.00
Enamel and Dentine f	D2740	Crown - porcelain/ceramic	8	MIDFL		16	P	909.00	0.00
Enamel and Dentine f	L2740-1	crown-porc/ceramic substrate	8	MIDFL		16	P	0.00	0.00
Enamel and Dentine f	D2740	Crown - porcelain/ceramic	14	MODBL		17	P	909.00	0.00
Enamel and Dentine f	L2740-1	crown-porc/ceramic substrate	14	MODBL		17	P	0.00	0.00
		Estimated Total						10060...	0.00

“Healing may
take 4-6 months,
we can place
your crowns
after that.”



ALTERNATE Tx PLAN TWO



Diagnosis	Procedure	Procedure Description	Site	Surf.	Phase	Seq.	Sts.	Estimate	Ins. Est.
Healthy Periodontium	D1330	Oral hygiene instructions				0	P	0.00	0.00
Healthy Periodontium	D1110	Prophy - adult / tooth structures ...				1	P	105.00	0.00
Healthy Periodontium	D0015	High Fluoride Toothpaste (D/C)				2	P	10.00	0.00
Primary active moder	D2392	Resin-based comp-2 surf, post.	18	MO		3	P	189.00	0.00
Primary active moder	D2392	Resin-based comp-2 surf, post.	19	DO		4	P	189.00	0.00
Primary active moder	D2331	Resin-based comp-2 surf, ant.	6	DL		5	P	193.00	0.00
Defective restoratio	D2392	Resin-based comp-2 surf, post.	12	MO		6	P	189.00	0.00
Loss of teeth due to	D6010	Surg placement, endosteal impl	7			7	P	1790.00	0.00
Loss of teeth due to	D6010	Surg placement, endosteal impl	13			8	P	1790.00	0.00
Enamel and Dentine f	D2950	Core buildup - including pins	8			9	P	115.00	0.00
Enamel and Dentine f	D6793	Provisional retainer crown	8	MIDFL		10	P	50.00	0.00
Loss of teeth due to	D6253	Provisional pontic	7			10	P	86.00	0.00
Enamel and Dentine f	D2950	Core buildup - including pins	14			11	P	115.00	0.00
Enamel and Dentine f	D6793	Provisional retainer crown	14	MODBL		12	P	50.00	0.00
Loss of teeth due to	D6253	Provisional pontic	13			13	P	86.00	0.00
Attrition of teeth	L9940	Night guard	UA			14	P	0.00	0.00
Loss of teeth due to	D6065	Single crown, impl supp (screw r...	7	MIDFL		15	P	1737.00	0.00
Loss of teeth due to	L6065-1	implant supp porc crown-Master...	7	MIDFL		15	P	0.00	0.00
Loss of teeth due to	D6065	Single crown, impl supp (screw r...	13	MODBL		16	P	1737.00	0.00
Loss of teeth due to	L6065-1	implant supp porc crown-Master...	13	MODBL		16	P	0.00	0.00
Enamel and Dentine f	D2740	Crown - porcelain/ceramic	8	MIDFL		17	P	909.00	0.00
Enamel and Dentine f	L2740-1	crown-porc/ceramic substrate	8	MIDFL		17	P	0.00	0.00
Enamel and Dentine f	D2740	Crown - porcelain/ceramic	14	MODBL		18	P	909.00	0.00
Enamel and Dentine f	L2740-1	crown-porc/ceramic substrate	14	MODBL		18	P	0.00	0.00
		Estimated Total						10249...	0.00

“Healing may
take 4-6 months,
we can place
your crowns
after that.”



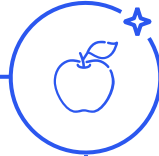
Tx PLAN COMPARISON

	Accepted Tx	Alternate One	Alternate Two
Conservation	Low	High	Medium
Aesthetics	Low	Medium	High
Immediacy	Medium	Low	Low
Cost	Low	High	High
Hygiene	Low	High	High

PHASES OF TREATMENT

DISEASE CONTROL

OHI, PROPHYLAXIS



RECONSTRUCTIVE

#6-8 FPD

#12-14 FPD

#18 MO Comp

#19 DO Comp

URGENT CARE

#9 MIFL Composite

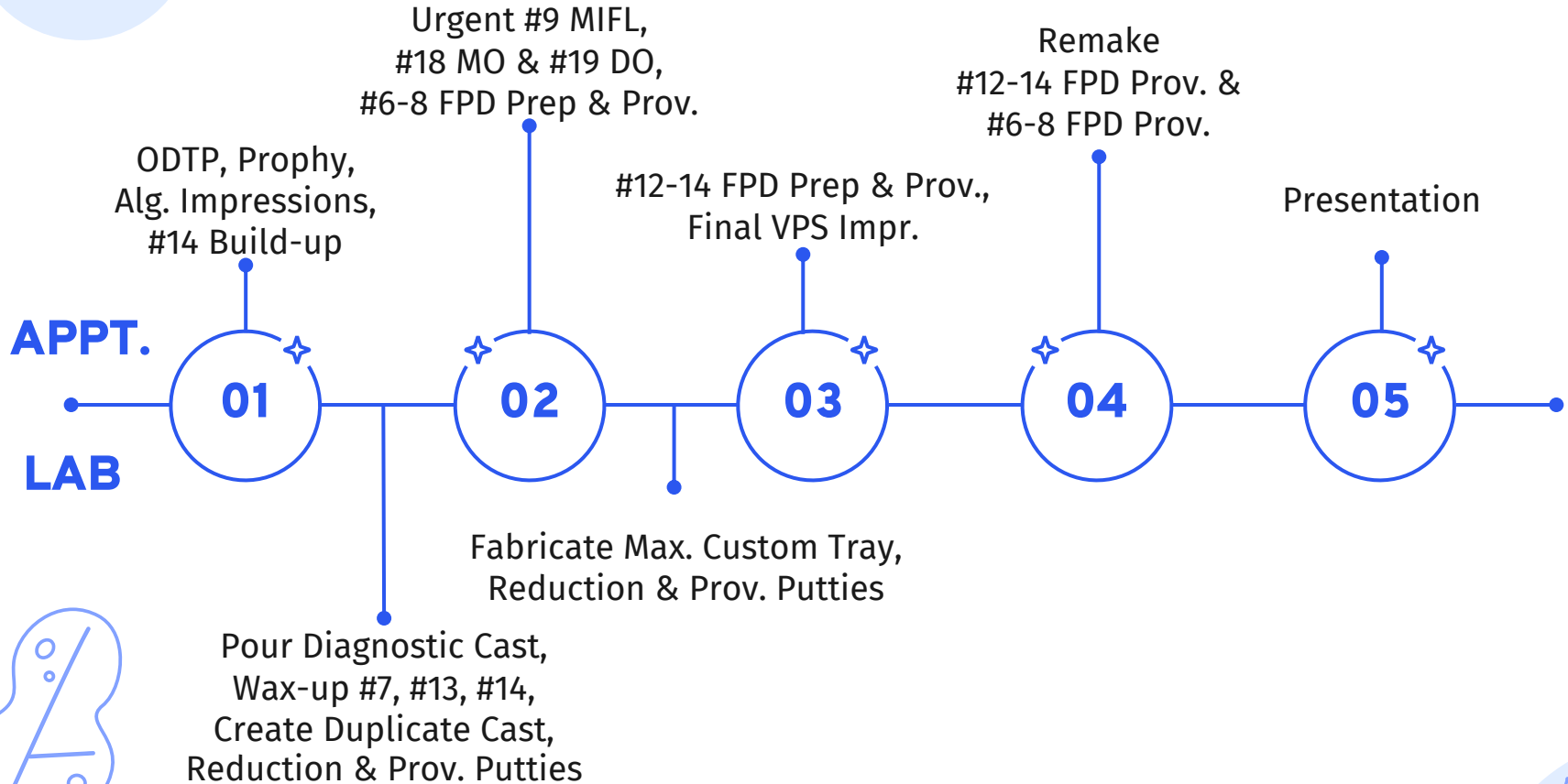


MAINTENANCE

Night Guard

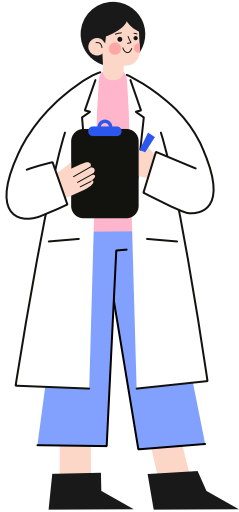


CASE TIMELINE BY WEEK





WEEK ONE

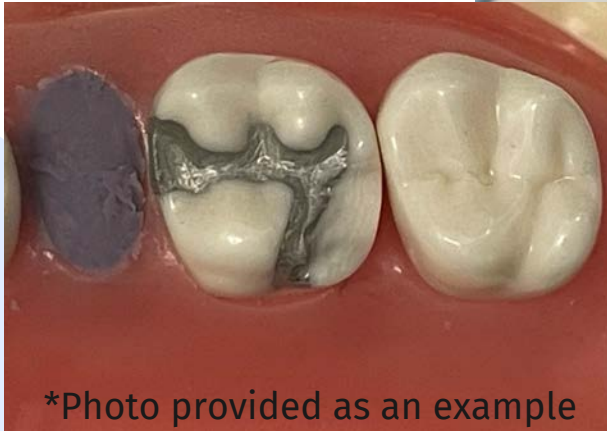


WEEK ONE APPT.



TREATMENTS

ODTP, OHI, Alg. Impressions,
#14 Amalgam Removal &
Photo Core Build-up



*Photo provided as an example





WEEK ONE LAB

TREATMENTS

Pour Diagnostic Cast,
Wax-up #7, #13, #14,
Pour Duplicate Cast,
Reduction and Prov. Putties





WEEK TWO

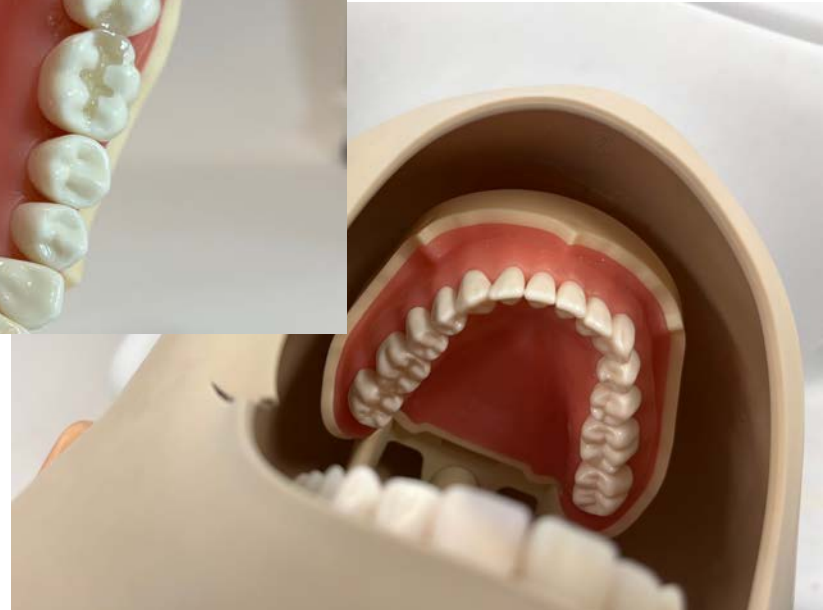


WEEK TWO APPT.



TREATMENTS

Urgent #9 MIFL,
#18 MO & #19 DO,
#6-8 FPD Prep & Prov.





WEEK TWO LAB



TREATMENTS

Fabricate Max. Custom Tray,
Create Reduction & Prov. Putties,
Stone Model to Verify Draw,
Margin, and Reduction





WEEK THREE



WEEK THREE APPT.



TREATMENTS

#12-14 FPD Prep & Prov.,
Take Final VPS Impr.





WEEK FOUR APPT.



TREATMENTS

Remake #6-8 FPD Prov.,
Remake #12-14 FPD Prov.



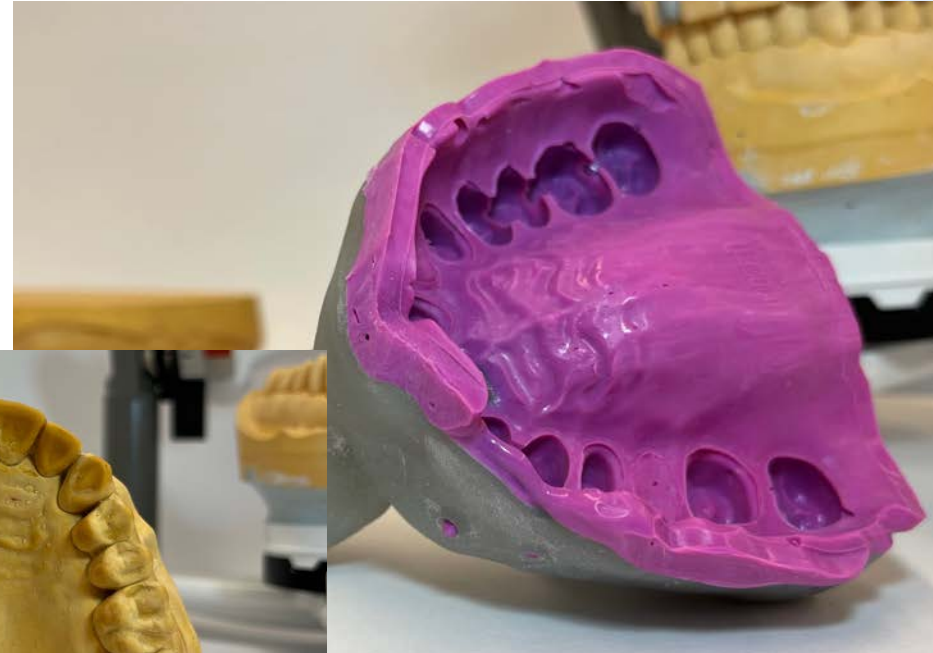


WEEK FOUR LAB



TREATMENTS

Send Final VPS Impression & Stone Models to Lab for Final Restoration Production



SELF-REFLECTION

STRENGTHS

- **TIME MANAGEMENT** – Ability to complete all reconstructive and urgent treatment in only three appointments as opposed to four.
- **ORGANIZATION** – Ability to stay organized and manage tasks in the most efficient way possible.
- **RESTORATIVE** – Excellent preparations with beautiful composite restorations. Excellent bridge preps with proper reduction, passive retention, and draw.
- **DENTAL ANATOMY** – Ideal occlusion, contour, and aesthetics.

SETBACKS

- **TIMING** – Finishing early lead to remaking temporary FPDs in week four.
- **MATERIAL** – Provisional material shrinkage caused improper seating of #12-14 FPD Provisional and open contact on D of #6-8 FPD.
- **PROVISIONALS** – Although the new provisionals were able to seat properly again, remaking temporary bridges at the last-minute led to low-medium polish, errors, and some open contacts.

THANK YOU!

DO YOU HAVE ANY QUESTIONS?

