

EXECUTIVE REPORT - HEMASEAL & CIDE
JUNE, 2019

This is an executive report on the Catapult Education review of Hemaseal and Cide with 4%Chlorhexidine. The product states 4 benefits of this product and they include:

1. Eliminating of Post-Operative Sensitivity
2. Superior Disinfection of preparations
3. Enhancement and prolongation of bond strengths
4. Reduced micro-leakage

In total there were 15 reviewers involved in this product review of Hemaseal and Cide. The intent of the review was to identify in this review the clinical efficacy of this product in regard to sensitivity and equally further discuss the above benefits as stated in-regards to this product.

First and foremost, of the over 150 restorations using this product, none were reported to have had post-operative sensitivity. This was a huge win to the group and though when asked in another question is complete desensitization an absolute, the group said “no” and the simple reason, often this patient dependent and or dependent on the clinical situation. In another question the group said they were split on whether this product was actually better in desensitization versus their current product and yet 100% of the group said they would incorporate this into their practices! To get 100% acceptance by this group is seldom seen and the question then becomes why such an acceptance?

As the additional questions were poised to the group, those specific to enhancing bond strengths, and microbial reduction in-regards to micro-leakage resulted in quite differences in priority of importance. Microleakage and long clinical track records were seen as very important. Yet the group was split on the effect on bond strength with 1/3 feeling it very important and the same amount feeling it wasn't.

As a group, the majority have worked with other products that included formulations of Glutaraldehyde, Chlorhexidine, Benzalkonium, and Potassium Oxylate to the point that the first two had been utilized by more than half the group. When asked about down-sides to Glutaraldehyde and Chlorhexidine, there were a number of issues mentioned from; recent literature on the allergic nature of Chlorhexidine, to Glutaraldehyde effects on tissue, bond strengths and overall health concerns. One has to ask with a 4% solution applied in such a low quantity per application, how relevant is the allergy issue and if so, how to address?

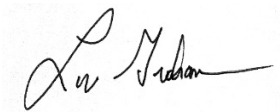
Regarding the question of usage of a desensitizing product in direct bonding procedures, the group was virtually split with ½ saying yes and ½ saying no with one outlier! The main reason for those who chose, “not using” is that sensitivity is routinely a non-issue. Yet, regarding indirect procedures, 3/4ths of the group said they did. Those who said they didn’t, again commented this was because of a lack of sensitivity or more on a case by case selection, i.e. patients who have more dentin exposed, younger ages, or those who are prone to sensitivity.

As one summarizes this report, cost was still a key item to many of the evaluators, and the dispensing mechanism was again split amongst the group as bottle versus uni-dose. Given cost as a key factor, if a bottle formula works to the same effectiveness as a uni-dose, the answer lies there. With 100% acceptance of this product, one must feel the additive indications of use were clearly seen as advantages to usage and with such should clearly be highlighted in your marketing and KOL presentations.

The group highly encourages more long-term clinical tracking along with more supportive literature on the effects of bond strengths and reduced micro-leakage because these are essential touch points in our profession.

Congratulations on an excellent product review and Hemaseal and Cide receiving *The Catapult Vote of Confidence*.

Sincerely,

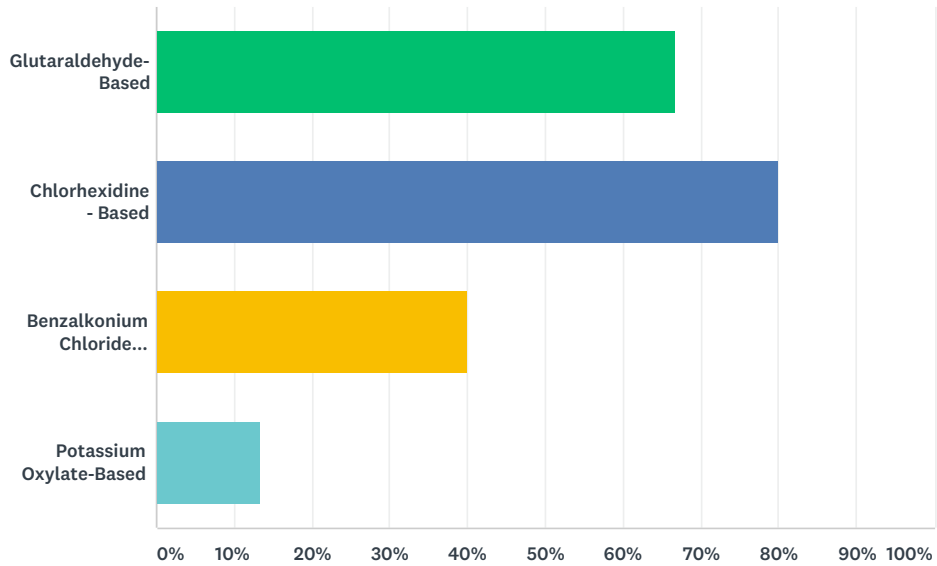
A handwritten signature in black ink, appearing to read "Lou Graham". The signature is fluid and cursive, with a large initial "L" and "G".

Lou Graham, DDS

Hemaseal & Cide

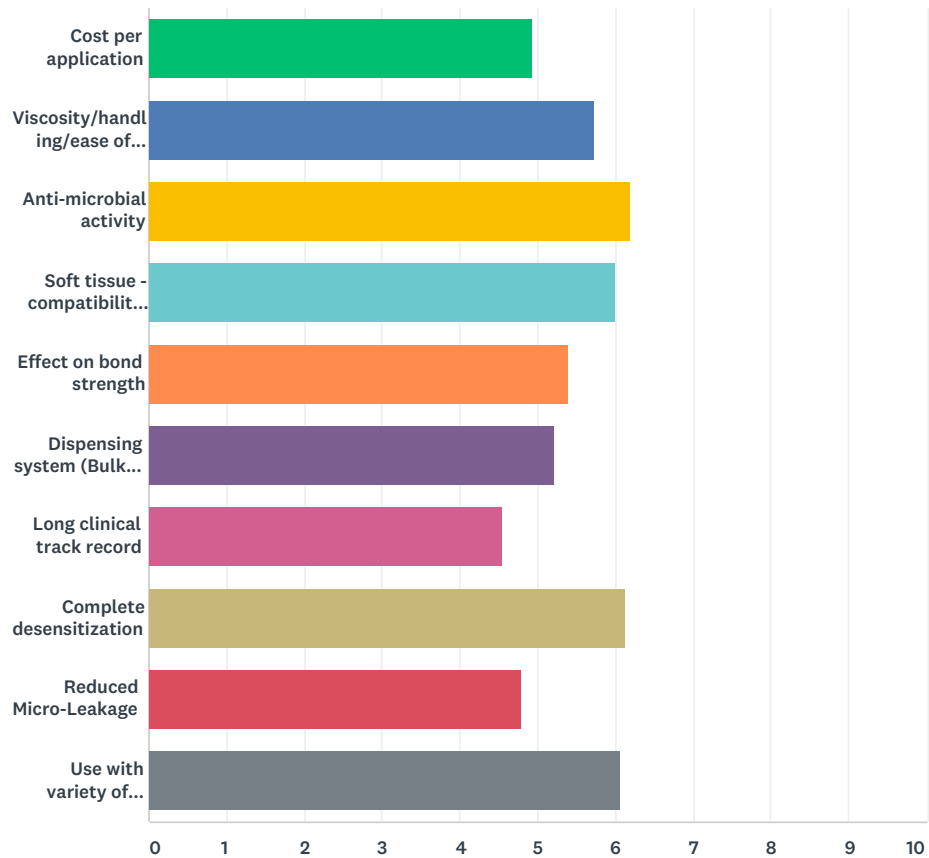
Q1 Which of the following types/formulas have you used?

Answered: 15 Skipped: 0



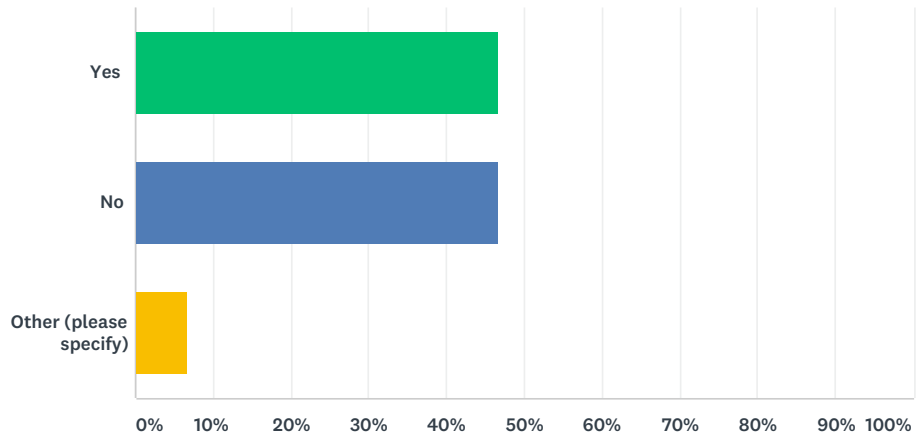
Q2 Please rank the following (10 = Highest) in order of importance to you:

Answered: 15 Skipped: 0



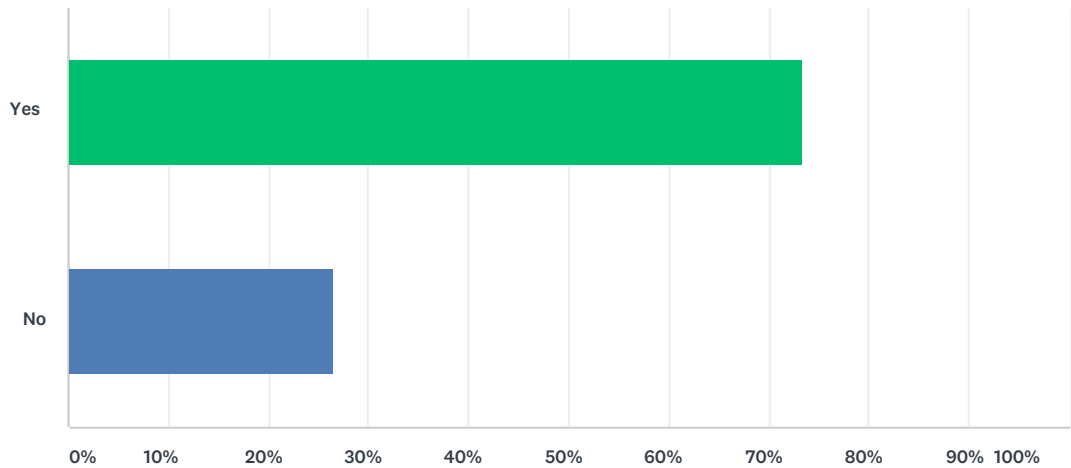
Q3 Do you routinely use a desensitizing agent in your delivery of direct bonded restorations?

Answered: 15 Skipped: 0



Q4 Do you routinely use a desensitizing agent prior to complete bonding of indirect restorations or when cementing indirect restorations using alternate products (RMGI or other bioactive entries, self-adhesive resin cements)?

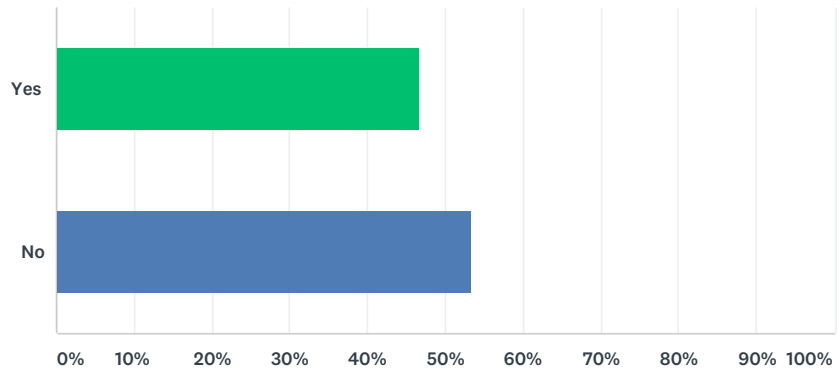
Answered: 15 Skipped: 0



Hemaseal & Cide

Q5 Are you aware that Hemaseal & Cide was rated best overall when tested by CRA against 8 other desensitizers?

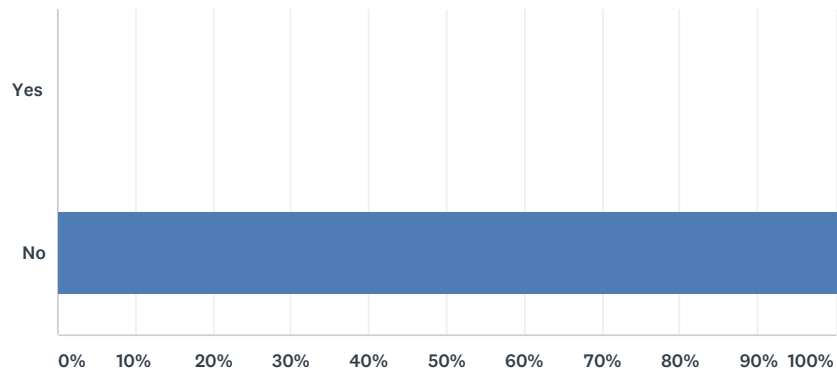
Answered: 15 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	46.67%	7
No	53.33%	8
TOTAL		15

Q6 Using Hemaseal & Cide, did you have any complaints of post-op sensitivity?

Answered: 15 Skipped: 0



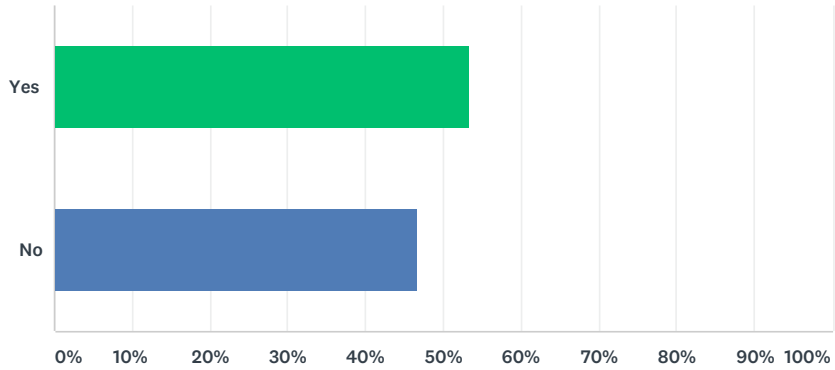
ANSWER CHOICES	RESPONSES	
Yes	0.00%	0
No	100.00%	15
TOTAL		15

#	COMMENT	DATE
1	Not one	4/2/2019 1:00 PM

Hemaseal & Cide

Q7 Do you discern any difference between Hemaseal & Cide and the brand you currently use?

Answered: 15 Skipped: 0



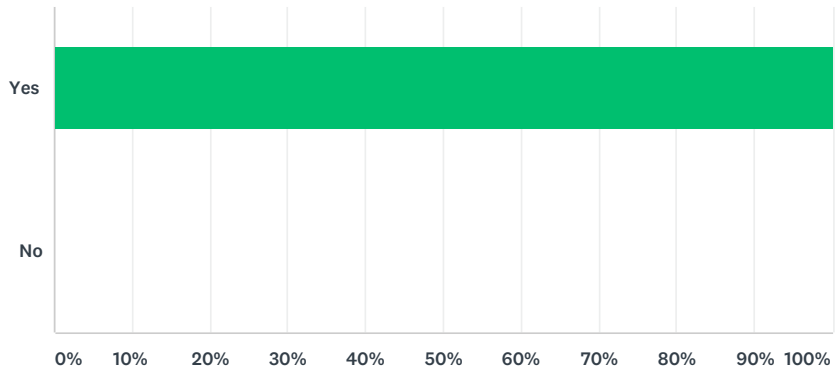
ANSWER CHOICES	RESPONSES	
Yes	53.33%	8
No	46.67%	7
TOTAL		15

#	COMMENT	DATE
1	love the viscosity	4/15/2019 3:23 PM
2	I got no sensitivity with Hemeseal & Cide	4/5/2019 12:48 AM
3	the added chemistry of chlorhexidine	4/4/2019 8:00 PM
4	Easy to apply	4/4/2019 10:52 AM
5	Both are effective	4/2/2019 8:38 PM
6	Less offensive taste and smell	4/2/2019 8:11 PM
7	Your solution is clear	4/2/2019 1:00 PM

Hemaseal & Cide

Q8 Could you say it works as well as the desensitizer you use?

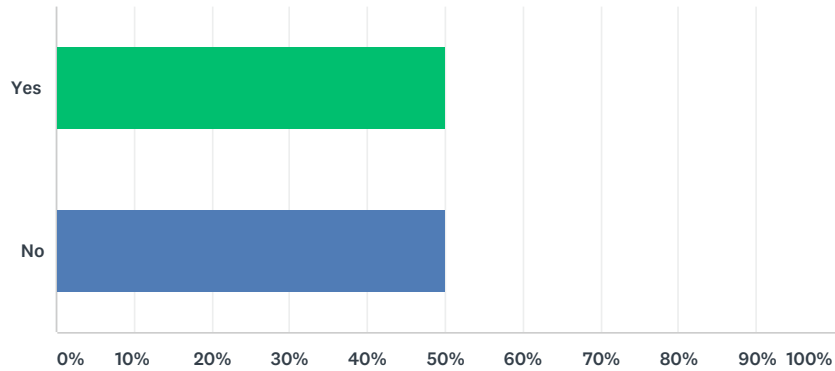
Answered: 14 Skipped: 1



ANSWER CHOICES	RESPONSES	
Yes	100.00%	14
No	0.00%	0
TOTAL		14

Q9 Could you say it works better than the desensitizer you use?

Answered: 14 Skipped: 1



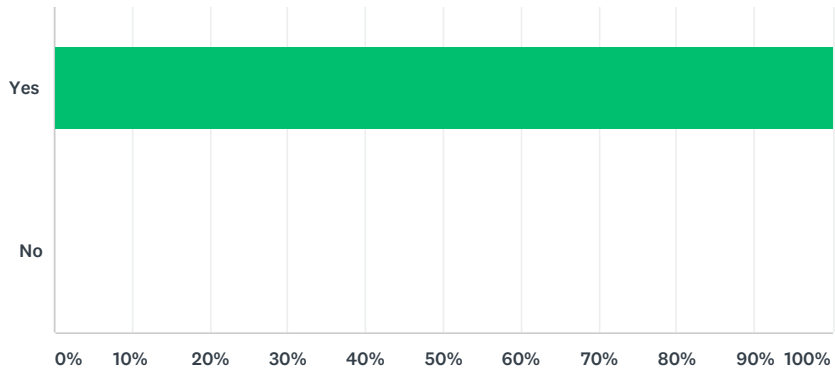
ANSWER CHOICES	RESPONSES	
Yes	50.00%	7
No	50.00%	7
TOTAL		14

#	COMMENT	DATE
1	don't know, would have to see over the next 6 months	4/15/2019 3:23 PM
2	My desensitizers would still give me a few sensitive teeth.	4/5/2019 12:48 AM
3	presumably because of the added chemistry/components	4/4/2019 8:00 PM
4	Not enough experience with it yet to know that	4/4/2019 10:52 AM
5	Not enough data yet	4/2/2019 8:38 PM

Hemaseal & Cide

Q10 Would you incorporate Hemaseal & Cide into your practice?

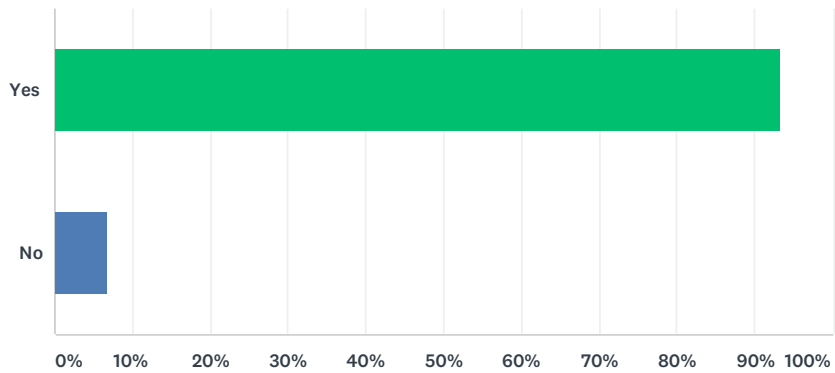
Answered: 15 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	100.00%	15
No	0.00%	0
TOTAL		15

Q11 Could you see incorporating the Advantage Dental message into your lectures?

Answered: 15 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	93.33%	14
No	6.67%	1
TOTAL		15

#	COMMENT	DATE
1	again, since I don't have the sensitivity issue, the real messaging impact would be if the reduction of MMP activity could be validated	4/4/2019 8:00 PM
2	The only thing my staff complained about was the name	4/4/2019 10:52 AM
3	Routinely asked in lectures what I do for sensitivity.	4/4/2019 9:59 AM
4	Absolutely! I love the combo, and these types of products are huge in my bonding lectures.	4/2/2019 12:29 PM