Supplementary material

**Questionnaire survey**

This was a web-based questionnaire that was used to describe the teaching methods of vital pulp therapy of primary teeth as taught in undergraduate pediatric dental courses in Saudi Arabia. The survey was available from January 2022 to June 2022 through Survey Monkey. The questionnaire contained an introduction and two parts which have a total of 21 questions.

# 1. Introduction

Dear Participants,

Thank you for agreeing to take part in this online questionnaire survey with a study title of: primary tooth vital pulp therapy techniques taught in dental schools in Saudi Arabia. The purpose of this online survey is to assess the teaching methods of vital pulp therapy as taught for undergraduate students in pediatric dentistry courses in dental colleges in Saudi Arabia. Please complete the questionnaire by 30June 2022. It will take approximately 8 to 10 minutes to complete the survey. Be assured that all answers you provide will be kept in a strict confidentiality. Please feel free to contact the principal investigator Dr. Ayman Sulaimany to answer your questions.

Email address: asulimany@ksu.edu.sa.

# 2. Questions included in questionnaire

## Part A: In this part we will ask few questions about demographic information, educational background and work setting:

1. Age:

○ Less than 30

○ 30–35

○ 35–40

○ 41–45

○ 46–50

○ More than 50

2. Gender:

○ Male

○ Female

3. Nationality:

○ Saudi

○ Non-Saudi

4. Dental School you are working in:

Drop down list for all university in KSA

5. Academic Rank:

○ Demonstrator

○ Lecturer

○ Assistant professor

○ Associate professor

○ Professor

6. From where did you obtain your postgraduate pediatric dentistry training?

○ Saudi Arabia

○ USA

○ Europe

○ UK

○ Others (Please specify from which country)

7. What kind of postgraduate pediatric training did you obtain? (Please select all that apply)

○ Master

○ Doctorate

○ PhD

○ Board

8. In which year did you receive your postgraduate training certificate?

(Write a year number)

9. Are you currently involved in teaching undergraduate dental student?

○ Yes

○ No

10. Have you ever been a course director for any undergraduate pediatric dentistry course?

○ Yes

○ No

11. Are you currently a course director for any undergraduate pediatric dentistry course?

○ Yes

○ No

##  Part B: In this part, we would like to ask you about the treatment modalities that you teach your undergraduate dental students in the clinical setting?

### Indirect pulp therapy in primary teeth:

1. During the clinical session, do you teach/allow your student to perform indirect pulp capping in primary teeth?

○ Yes

○ No

2. If yes, what material do you use as an indirect pulp medicament? (Please select all that apply) (Skip Question if NO)

○ Calcium Hydroxide

○ Zinc Oxide Eugenol

○ Glass Ionomer

○ Other material (Please specify)

### Direct pulp therapy in primary teeth:

1. During the clinical session, do you teach/allow your student to perform direct pulp capping in primary teeth?

○ Yes

○ No

2. What medicament/method do you teach students? (Please select all that apply) (Skip Question if NO)

○ Hard setting calcium hydroxide

○ MTA

○ Total etch technique

○ Glass ionomer cement

○ Ledermix paste

○ Other material (Please specify)

### Vital pulp therapy in primary teeth:

1. What medicament do your student use for vital pulpotomies? (Please select all that apply)

○ Ferric Sulphate

○ Formocresol

○ MTA

○ Calcium Hydroxide

○ Laser

○ No medicament

○ Other material (Please specify)

2. If you chose more than one medicament, please indicate:

○ Medicament of first choice: (Skip this question if you chose one medicament)

○ Ferric Sulphate

○ Formocresol

○ MTA

○ Calcium Hydroxide

○ Laser

○ No medicament

○ Other material (Please specify)

3. Are you considering a change in teaching to a different medicament?

○ Yes

○ No

If Yes, what is the new medicament?

Medicament of first choice:

○ Ferric Sulphate

○ Formocresol

○ MTA

○ Calcium Hydroxide

○ Laser

○ No medicament

○ Other material (Please specify)

4. What material are the students are using to place over the pulp? (Please select all that apply)

○ Zinc Oxide and Eugenol Cement

○ Reinforced glass ionomer

○ Other material (Please specify)

5. What type of restoration is taught following a vital pulpotomy?

If more than one type, please indicate when would you use each type—*e.g.*, if there is a small one or two surface cavities:

○ Stainless steel crown \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

○ Composite \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

○ Amalgam \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

○ Glass Ionomer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Do you teach the students to take a postoperative radiograph?

○ Yes

○ No

If yes, at what point?

○ Immediately

○ 6 months later

○ 12 months later

○ At the next appropriate time according to the caries risk

Thank you for taking our survey. If you have questions or comments, please contact Dr. Ayman Sulimany, email address: asulimany@ksu.edu.sa.