



**A randomized controlled trial of virtual reality-based distraction for venipuncture-related distress in children:
The VR Study**

REB #: Pro00095418	Screening ID	Enrolment Date
PI: Dr. Samina Ali	VR - _____	____ / ____ / 20____ dd mmm yyyy

Pre-Screening

Date and Time of Triage	____ / ____ / ____ dd mmm yyyy ____ : ____ (24 hour clock)
Child's Age	_____ years
Child's Sex	<input type="checkbox"/> Female <input type="checkbox"/> Male
Was the family approached for this study?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If NO , specify reason and STOP HERE.	<input type="checkbox"/> Family refused overall consent to be approached for research <input type="checkbox"/> Legal guardian not present <input type="checkbox"/> RA busy with another study <input type="checkbox"/> Did not meet eligibility criteria, specify _____ <input type="checkbox"/> Other, Specify _____
If YES, continue to Eligibility.	



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Eligibility

Was verbal consent for screening obtained from the family? Yes No

Inclusion Criteria

1. Child aged 6-17 years	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Requires IV placement	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Will receive topical anesthetic cream for IV placement	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Exclusion Criteria

1. Medically unstable (i.e. CTAS 1, requires immediate IV insertion)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Unconscious or not fully alert	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Visual, auditory or cognitive or mental health issues precluding safe interaction with the VR intervention	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Conditions that could be exacerbated by the VR environment (as reported by the family) <ul style="list-style-type: none"> a. <i>current</i> symptomatic nausea / vomiting / dizziness / migraine b. <i>history</i> of psychosis / hallucinations / epilepsy 	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5. Presence of an infection / injury which could contaminate the VR intervention equipment (as determined by the healthcare team) including but not limited to <ul style="list-style-type: none"> a. open wounds / infections of the head and neck area b. suspected or confirmed methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) colonization 	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6. Screens positive for 'influenza-like illness' (ILI) as per the current SCH ED screening criteria	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7. Child or Parental language barrier precluding the ability to understand and complete study assessments, in the absence of a native language translator	<input type="checkbox"/> Yes	<input type="checkbox"/> No
8. Previous enrollment (of child OR parent) in this study	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Is the family eligible for the study? Yes No



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Informed Consent

Has written informed consent been obtained from the **parent/ legal guardian**? Yes No

If NO,

Specify reason and STOP HERE.	<input type="checkbox"/> Declined consent <input type="checkbox"/> Declined assent <input type="checkbox"/> Other, please specify _____
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If YES,

Specify the date and time of Informed Consent:	___ / ___ / ___ dd mmm yyyy : _____ (24 hour clock)
Has a copy of the signed informed consent been given to the family?	<input type="checkbox"/> Yes <input type="checkbox"/> No; specify: _____
Has written assent been obtained from the child ?	<input type="checkbox"/> Yes <input type="checkbox"/> No; specify: _____ <input type="checkbox"/> No, but verbal assent was obtained and documented <input type="checkbox"/> Not required; child < 7y
Has a copy of the signed assent been given to the family?	<input type="checkbox"/> Yes <input type="checkbox"/> No; specify: _____
Has written informed consent been provided by the clinical nurse ? <i>Note: Consent only needs to be provided by the clinical nurse once for the entire duration of the study (for all 80-90 participants). If consent has not been previously completed with the clinical nurse, make sure a signed copy is completed before recruitment.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No; specify: _____
Clinical Nurse Study ID Number:	_____



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Randomization

If the child satisfies the inclusion/ exclusion criteria and written informed consent has been provided, please RANDOMIZE the participant by clicking on the Randomize button below:

Study Arm	<input type="checkbox"/> VR Intervention <input type="checkbox"/> Standard Care
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Demographics & History

Demographics

Parent/ Caregiver relationship to child	<input type="checkbox"/> Mother <input type="checkbox"/> Father <input type="checkbox"/> Other; specify: _____
Parent / Caregiver Age	_____ years; or <input type="checkbox"/> Prefer not to answer
Parent / Caregiver Sex	<input type="checkbox"/> Female <input type="checkbox"/> Male
Parent / Caregiver Highest level of Education	<input type="checkbox"/> Elementary School <input type="checkbox"/> High School or some High School <input type="checkbox"/> Diploma/ Certificate <input type="checkbox"/> Some Post-Secondary/ University <input type="checkbox"/> University/ Professional Degree <input type="checkbox"/> Decline to answer
First three digits of postal code	__ __ __ (1 st 3 digits ONLY)
Do you identify your child as a member of an ethnic minority?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Medical History

Was your child born prematurely?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> If yes, at how many weeks gestation? 	_____ weeks
Has your child ever been to the Emergency Department before today?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> If yes, how many times: 	_____ times
Has your child ever been hospitalized?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> If yes, how many times: 	_____ times
Has your child ever had a needle poke in their vein to draw blood or put in an intravenous (IV) line?	<input type="checkbox"/> Yes <input type="checkbox"/> No



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If yes, how distressed was your child during the procedure? (<i>if more than one occurrence, ask the parent to recall the most recent event</i>) Choose a number between 1 and 5 that best describes your child's distress where 1 indicates 'no distress at all' and 5 is 'as distressed as possible'	<input type="checkbox"/> 1 (no distress at all) <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 (as distressed as possible)
--	---

Child Experience with Technology

Has your child played with/ used any of the following devices before to play games ?		<input type="checkbox"/> iPad/ iPod/ iPhone / Tablet (<i>to play games</i>) <input type="checkbox"/> Gaming console (ex. Xbox, Nintendo, PS4, other) <input type="checkbox"/> Virtual Reality (VR) device (ex. Oculus Quest/ Rift, Samsung Gear VR, HTC Vive, PlayStation VR, other) <input type="checkbox"/> Robot	
If yes, how frequently?			
iPad/ iPod/ iPhone / Tablet:	Gaming console	VR device	Robot
<input type="checkbox"/> ____ hours/ week <input type="checkbox"/> Less than Once per week <input type="checkbox"/> Less than 5 times in total <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> ____ hours/ week <input type="checkbox"/> Less than Once per week <input type="checkbox"/> Less than 5 times in total <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> ____ hours/ week <input type="checkbox"/> Less than Once per week <input type="checkbox"/> Less than 5 times in total <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> ____ hours/ week <input type="checkbox"/> Less than Once per week <input type="checkbox"/> Less than 5 times in total <input type="checkbox"/> Other, specify _____



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PRE-Procedure: Child Scores

NOTE: Begin the video recorder (iPad) approximately 5 minutes before the start of the IV procedure, and stop the recording 5 minutes after the end of the procedure.

Baseline Scores: Child

Heart Rate (record from Triage)	___ bpm
Time pre-procedure scores collected	___/___/___ dd mmm yyyy :___ (24 hour clock)
Pain Score: verbal Numerical Rating Scale (vNRS) “On a scale of 0 to 10, where 0 is no pain and 10 is the worst pain you can imagine, what is your pain level now?”	___ / 10
Distress Score: Numerical Rating Scale “On a scale of 0 to 10, where 0 is no distress and 10 is the most distress you can imagine having, what is your distress level now?”	___ / 10
Fear Score: Children’s Fear Scale (CFS) “These faces are showing different amounts of being scared. This face [point to the left-most face] is not scared at all, this face is a little bit more scared [point to the second face from left], a bit more scared [sweep finger along scale], right up to the most scared possible [point to the last face on the right]. Have a look at these faces and choose the one that shows how scared you are right now.”	



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PRE-Procedure: Parent / Caregiver STAI Questionnaire

We would ask that you complete the following questions as they relate to your feelings about your child’s upcoming IV procedure, today. A number of statements which people have used to describe themselves are given below. Read each statement and then circle the appropriate number to indicate how you feel **right now**, that is, **at this moment**. There are no right or wrong answers. Do not spend too much time on any one statement but give the answer which seems to describe your feelings best.

1-----2-----3-----4
Not at all Somewhat Moderately so Very much so

- | | | | | |
|---|---|---|---|---|
| 1. I feel calm..... | 1 | 2 | 3 | 4 |
| 2. I feel secure..... | 1 | 2 | 3 | 4 |
| 3. I am tense..... | 1 | 2 | 3 | 4 |
| 4. I feel strained..... | 1 | 2 | 3 | 4 |
| 5. I feel at ease..... | 1 | 2 | 3 | 4 |
| 6. I feel upset..... | 1 | 2 | 3 | 4 |
| 7. I am presently worrying over possible misfortunes..... | 1 | 2 | 3 | 4 |
| 8. I feel satisfied..... | 1 | 2 | 3 | 4 |
| 9. I feel frightened..... | 1 | 2 | 3 | 4 |
| 10. I feel comfortable..... | 1 | 2 | 3 | 4 |
| 11. I feel self-confident..... | 1 | 2 | 3 | 4 |
| 12. I feel nervous..... | 1 | 2 | 3 | 4 |
| 13. I am jittery..... | 1 | 2 | 3 | 4 |
| 14. I feel indecisive..... | 1 | 2 | 3 | 4 |
| 15. I am relaxed..... | 1 | 2 | 3 | 4 |
| 16. I feel content..... | 1 | 2 | 3 | 4 |
| 17. I am worried..... | 1 | 2 | 3 | 4 |
| 18. I feel confused..... | 1 | 2 | 3 | 4 |
| 19. I feel steady..... | 1 | 2 | 3 | 4 |
| 20. I feel pleasant..... | 1 | 2 | 3 | 4 |



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DURING-Procedure

- Start the iPad video recording approximately 5 minutes prior to the start of the procedure.
- For children randomized to the VR group: Immediately after PRE-procedure scores and STAI are completed, research assistant will set up the VR equipment.
- The staff ED nurse will then begin the IV set-up

Start time of IV procedure: <i>(Defined as the time the staff nurse begins to clean the IV site)</i>	____/____/____ dd mmm yyyy : _____ (24 hour clock)
End time of IV procedure/ attempt: <i>(Defined as the last point of contact by the staff nurse (ex. taping cannula in place with or without arm board, wrapping arm with gauze and taping the gauze in place)</i>	____/____/____ dd mmm yyyy : _____ (24 hour clock)
Position of Child during IV attempt:	<input type="checkbox"/> Sitting up <input type="checkbox"/> Lying down (supine)
Location of first IV attempt:	<input type="checkbox"/> Antecubital Fossa – RIGHT <input type="checkbox"/> Antecubital Fossa – RIGHT <input type="checkbox"/> Dorsum hand – RIGHT <input type="checkbox"/> Dorsum hand – LEFT <input type="checkbox"/> Other, specify _____
Was the first IV placement attempt successful?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • If NO, how many attempts, in total, were made for the IV during this 'episode'? 	_____ attempts
<ul style="list-style-type: none"> • Was an IV successfully placed during this 'episode'? 	<input type="checkbox"/> Yes <input type="checkbox"/> No
Any adverse events or side effects? <i>Do not suggest any AEs to the participant; Instead, ask more general questions such as "how are you feeling?" or "are you having any side effects?" or "are you feeling any different than before?", and let the child answer spontaneously.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No If "YES", complete a separate entry for each AE on the AE Form



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IMMEDIATELY POST-Procedure: Child Scores

NOTE: Post-procedure scores/ questionnaires should be collected as soon as possible after the procedure is complete:

Post-procedure Scores: Child

Time post-procedure scores collected	___ / ___ / ___ dd mmm yyyy : (24 hour clock)
Pain Score: verbal Numerical Rating Scale (vNRS) - Procedure "On a scale of 0 to 10, where 0 is no pain and 10 is the worst pain you can imagine, what was your pain level <u>during the needle / IV poke?</u> "	___ / 10
Distress Score: Numerical Rating Scale - Procedure "On a scale of 0 to 10, where 0 is no distress and 10 is the most distress you can imagine having, what was your distress level <u>during the needle / IV poke?</u> "	___ / 10
Fear Score: Children's Fear Scale (CFS) - Procedure "These faces are showing different amounts of being scared. This face [point to the left-most face] is not scared at all, this face is a little bit more scared [point to the second face from left], a bit more scared [sweep finger along scale], right up to the most scared possible [point to the last face on the right]. Have a look at these faces and choose the one that shows how scared you were <u>during the needle / IV poke.</u> "	
Nausea Score: Baxter Retching Faces (BARF) Scale - Procedure "Have you thrown up or felt like you were going to throw up before? How did your tummy feel then? We call that feeling of being sick to the stomach nausea. These faces show children who feel no nausea at all, who feel a little bit nauseated, who feel even more nauseated, and these are children who have the most nausea it is possible to feel." [Point to each face at the appropriate time.] "Which face is more like how you felt <u>during the needle / IV poke?</u> "	


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<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Overall, how happy were you with the IV start today, on a scale of 1 to 5, where 1 means "Not at all happy" and 5 means "Very happy"?	<input type="checkbox"/> 1 "Not at all happy" <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 "Very happy"
On a scale of 1 to 5, where 1 means "Not at all happy" and 5 means "Very happy", how happy were you <u>with the pain treatment</u> for your IV start?	<input type="checkbox"/> 1 "Not at all happy" <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 "Very happy"
Did the [distraction / toys / VR goggles] help you today?	<input type="checkbox"/> Yes, it helped <input type="checkbox"/> No, it didn't help <input type="checkbox"/> I'm not sure
If you ever had to get an IV or needle poke again, would you want to use the same [distraction / toys / VR goggles] again?	<input type="checkbox"/> Yes, I would <input type="checkbox"/> No, I wouldn't <input type="checkbox"/> I'm not sure
Can you tell me why/ why not?	

As soon as possible after completion of procedure, research assistant to give:

1. Post-Procedure Parent STAI and Satisfaction Questionnaire to parent/ caregiver
2. Nurse Satisfaction Questionnaire to staff ED nurse



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POST-Procedure: Parent / Caregiver STAI Questionnaire

We would ask that you complete the following questions as they relate to your feelings about your child's IV procedure that just happened. A number of statements which people have used to describe themselves are given below. Read each statement and then circle the appropriate number to indicate how you feel **right now**, that is, **at this moment**. There are no right or wrong answers. Do not spend too much time on any one statement but give the answer which seems to describe your feelings best.

	1-----	2-----	3-----	4-----
	Not at all	Somewhat	Moderately so	Very much so
1. I feel calm.....	1	2	3	4
2. I feel secure.....	1	2	3	4
3. I am tense.....	1	2	3	4
4. I feel strained.....	1	2	3	4
5. I feel at ease.....	1	2	3	4
6. I feel upset.....	1	2	3	4
7. I am presently worrying over possible misfortunes.....	1	2	3	4
8. I feel satisfied.....	1	2	3	4
9. I feel frightened.....	1	2	3	4
10. I feel comfortable.....	1	2	3	4
11. I feel self-confident.....	1	2	3	4
12. I feel nervous.....	1	2	3	4
13. I am jittery.....	1	2	3	4
14. I feel indecisive.....	1	2	3	4
15. I am relaxed.....	1	2	3	4
16. I feel content.....	1	2	3	4
17. I am worried.....	1	2	3	4
18. I feel confused.....	1	2	3	4
19. I feel steady.....	1	2	3	4
20. I feel pleasant.....	1	2	3	4



FACULTY OF MEDICINE & DENTISTRY
DEPARTMENT OF PEDIATRICS

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POST-Procedure: Caregiver Satisfaction Questionnaire

1) Please rate your overall satisfaction with your child’s IV start:

<i>Very Dissatisfied</i>	<i>Dissatisfied</i>	<i>Neutral</i>	<i>Satisfied</i>	<i>Very Satisfied</i>
1	2	3	4	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please Explain: _____

2) Please rate your satisfaction with the **management of your child’s pain** for their IV start:

<i>Very Dissatisfied</i>	<i>Dissatisfied</i>	<i>Neutral</i>	<i>Satisfied</i>	<i>Very Satisfied</i>
1	2	3	4	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please Explain: _____

3) Would you use the same methods to manage your child’s pain from needle pokes in the future?

Yes
 No

Why / Why not? _____

**Thank you for your participation in our research study,
it is very much appreciated!**



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Nurse Satisfaction Questionnaire (VR Group)

1) Overall, how easy or difficult was it to perform the IV insertion for this child?

<i>Very Easy</i>	<i>Easy</i>	<i>Neutral</i>	<i>Difficult</i>	<i>Very Difficult</i>
1	2	3	4	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2) Please rate your satisfaction with this child's IV start:

<i>Very Dissatisfied</i>	<i>Dissatisfied</i>	<i>Neutral</i>	<i>Satisfied</i>	<i>Very Satisfied</i>
1	2	3	4	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Would you use the same methods (ie. VR device) to manage another child's pain and distress from IV insertion in the future?

Yes
 No

4) Could you please rate the following on a scale of 1-5, where **1=Not at all** and **5=Very much**

	1	2	3	4	5
Your overall satisfaction with the Virtual Reality (VR) device today	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your willingness to use the VR device to manage another child's IV pain and distress in the future	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The degree to which the VR device improved the child's experience	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The degree to which the VR improved your ability to insert the IV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The degree to which the VR disrupted your ability to insert the IV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5) Did the VR device that was used during the procedure increase the time required to insert the IV?

Yes (approximately how much time did it increase the procedure by? _____ minutes)
 No

6) Is there anything else that you would like to tell us, today, about your experience inserting an IV for a child using a VR device?



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7) How many years of practice do you have as a nurse (all settings)? _____ N/A

8) How many years of practice do you have as a nurse in the ED? _____ N/A

9) Please indicate the amount of time spent in the pediatric emergency department (PED):

- 0-25% of my time is spent in the pediatric ED
 26-50% of my time is spent in the pediatric ED
 51-75% of my time is spent in the pediatric ED
 76-100% of my time is spent in the pediatric ED

10) Please specify your position if other than attending ED nurse (e.g., IV nurse, attending ED physician, resident, physician or nurse from other service [specify], etc):

Thank You!!



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Nurse Satisfaction Questionnaire (Standard Care Group)

1) Overall, how easy or difficult was it to perform the IV insertion for this child?

<i>Very Easy</i>	<i>Easy</i>	<i>Neutral</i>	<i>Difficult</i>	<i>Very Difficult</i>
1	2	3	4	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2) Please rate your satisfaction with this child's IV start:

<i>Very Dissatisfied</i>	<i>Dissatisfied</i>	<i>Neutral</i>	<i>Satisfied</i>	<i>Very Satisfied</i>
1	2	3	4	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Would you use the same methods (ie. Standard of Care pain management plan) to manage another child's pain and distress from IV insertion in the future?

Yes
 No

4) Could you please rate the following on a scale of 1-5, where 1= Not at all and 5=Very much

	1	2	3	4	5
Your overall satisfaction with the pain management plan today	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your willingness to use a similar pain management plan to manage another child's IV pain and distress in the future	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The degree to which the pain management plan improved the child's experience	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The degree to which the pain management plan improved your ability to insert the IV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The degree to which the pain management plan disrupted your ability to insert the IV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5) Did the Standard of Care pain management plan that was used during the procedure increase the time required to insert the IV?

Yes (approximately how much time did it increase the procedure by? _____ minutes)
 No

6) Is there anything else that you would like to tell us, today, about your experience inserting an IV for a child using a Standard of Care pain management plan?



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- 7) How many years of practice do you have as a nurse (all settings)? _____ N/A
- 8) How many years of practice do you have as a nurse in the ED? _____ N/A
- 9) Please indicate the amount of time spent in the pediatric emergency department (PED):
- 0-25% of my time is spent in the pediatric ED
- 26-50% of my time is spent in the pediatric ED
- 51-75% of my time is spent in the pediatric ED
- 76-100% of my time is spent in the pediatric ED
- 10) Please specify your position if other than attending ED nurse (e.g., IV nurse, attending ED physician, resident, physician or nurse from other service [specify], etc):
- _____

Thank You!!



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Discharge Information

Disposition	<input type="checkbox"/> Discharged Home <input type="checkbox"/> Admitted <input type="checkbox"/> Other, _____
Date & Time of Discharge from the ED	___ / ___ / ___ dd mmm yyyy : _____ (24 hour clock)
Length of Stay in ED (calculated field):	___ hours
Discharge Diagnosis	



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PI: Dr. Samina Ali	VR - _____	___/___/20___ dd mmm yyyy

RA Satisfaction Questionnaire (For Standard Care group, answer Q6 ONLY)

1) Could you please rate the following on a scale of 1-5, where 1= Not at all and 5=Very much

	1	2	3	4	5
Your overall satisfaction with the Virtual Reality (VR) device today	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ease of set-up of the VR device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your satisfaction with the amount of time it took to set up the VR device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your desire to work with the VR device again	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2) Approximately how much time was needed to set up the VR device with the child, today?
(excluding consent and questionnaire time)

_____ minutes

3) What components of the VR device did the child use during the IV procedure? (check all that apply)

- VR Goggles / Headset
 Controller
 Headphones

4) Were the VR Goggles / Headset kept on for the entire duration of the procedure?

- Yes
 No

5) What applications / game(s) did the child play during the procedure?

6) What pain management or distraction tools / resources were used during the procedure?
(Check all that apply. If a CLS was involved, ask them to clarify which tools were used.)

- Virtual Reality
 iPad / Tablet / Smartphone
 Toys
 Music
 Child Life Specialist (CLS)
 Other; specify: _____
 No other techniques were used

7) Did you have any technical or other issues with operating / handing the VR equipment?

- Yes; specify: _____
 No

8) Is there anything else that you would like to tell us about your experience with the VR goggles today?


 A randomized controlled trial of virtual reality-based distraction for venipuncture-related distress in children:
 The VR Study

REB #: Pro00095418	Screening ID	Enrolment Date
PI: Dr. Samina Ali	VR - ____ ____ ____	____ / ____ / 20____ dd mmm yyyy

Adverse Events Log

To be filled out by Research Assistant						To be filled out by Site Investigator				
No.	Description of Adverse Event	Onset Date & Time (dd/mmm/yyyy HH:MM)	Action Taken 1. None 2. Medication 3. New or Prolonged Hospitalization 4. Procedure / Surgery 5. Other, specify	Outcome 1. Resolved 2. Resolved with Sequelae 3. Resolving 4. Unresolved 5. Fatal 6. Lost to follow-up	Date & Time Resolved (dd/mmm/yyyy HH:MM)	Intensity grade: 1. Mild 2. Moderate 3. Severe	Expected AE? Y / N	Relationship to Study 1. Unrelated 2. Unlikely 3. Possible 4. Probable 5. Definite	SAE? Y / N	Site PI Initial
1										
2										
3										



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REB #: Pro00095418	Screening ID	Enrolment Date
PI: Dr. Samina Ali	VR - ___ ___ ___	___ / ___ / 20___ dd mmm yyyy

Early Withdrawal

ONLY fill out this form in the event of an early withdrawal

Date of Discontinuation:	___ / ___ / ___ dd mmm yyyy
Reasons for Discontinuation: (check all that apply)	<input type="checkbox"/> Adverse Event / Serious Adverse Event <input type="checkbox"/> Death <input type="checkbox"/> Withdrawal of Consent / Assent <input type="checkbox"/> Protocol Violation, Specify _____ <input type="checkbox"/> Other, Specify _____
<u>If withdrew consent / assent:</u> 1. Permission to use collected data? 2. Permission to conduct Chart Review?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Comments:</u>	