



Participant Information Sheet

Title of Study: Evaluating the Efficacy of DIAGNOdent Laser Fluorescence in Detecting Occlusal Caries: A Clinical Study

Your child is being invited to take part in a research study. Before you decide, it is important for you to understand why the research is being done and what it will involve. Please take time to read the following information carefully and discuss it with your child if you wish.

Purpose of the Study

The purpose of this study is to evaluate the effectiveness of the DIAGNOdent laser fluorescence device in detecting occlusal caries (tooth decay) in patients. This study aims to improve diagnostic accuracy for better dental care.

Who Can Participate?

We are looking for participants who meet the following criteria:

1. Aged 7 years old
2. Have at least one first molar
3. Are in general good health

Who Cannot Participate?

You will not be able to participate if you:

1. Have any restorations or sealants on the molars being examined
2. Are currently undergoing orthodontic treatment
3. Have a history of adverse reactions to dental examinations

What Does the Study Involve?

If you decide to take part, you will undergo a routine dental examination using the DIAGNOdent device. The procedure involves:

- A visual examination of your teeth using a probe and a mirror if needed
- The use of the DIAGNOdent laser to scan the occlusal surfaces of your molars
- Recording the fluorescence readings

This procedure is non-invasive and will take approximately 10-15 minutes.



Benefits of Participating

Your child's participation will contribute to improving the accuracy of dental diagnostics. While there may not be direct benefits to your child, they will receive a thorough examination of their teeth, which may help in early detection of caries.

Risks of Participating

There are minimal risks associated with this study. The DIAGNOdent device is safe and has no known adverse effects. Some children might experience mild discomfort due to the dental examination, but no pain is expected.

Confidentiality

All information collected about your child during the course of the study will be kept strictly confidential. Data will be anonymized, and your child's identity will not be disclosed in any reports or publications resulting from the study.

Voluntary Participation

Your child's participation in this study is entirely voluntary. It is up to you to decide whether or not to allow your child to take part. If you choose not to let your child participate, this will not affect the standard of care they receive. If you decide to let your child participate, you are free to withdraw them at any time without giving a reason.

Contact Information

If you have any questions or need further information, please contact:

- Dr. Ghaith al Om
- Email: gbo321@hotmail.com
- Phone: 0934512747

Consent to Participate

If you agree to allow your child to take part in this study, please sign the attached consent form and return it to the study coordinator.

Thank you for considering allowing your child to participate in our research.



Parent/Guardian Consent Form

I have read and understood the information provided in the Parent/Guardian Information Sheet about the study "Evaluating the Efficacy of DIAGNOdent Laser Fluorescence in Detecting Occlusal Caries: A Clinical Study." I have had the opportunity to ask questions and received satisfactory answers. I understand that my child's participation is voluntary and that I am free to withdraw them at any time without giving a reason.

I consent to allow my child to participate in this study.

Name of Child: _____

Name of Parent/Guardian: _____

Signature of Parent/Guardian: _____

Date: _____

Name of Researcher: _____

Signature of Researcher: _____

Date: _____