# Comparison of Laser fluorescence caries detection in primary molars versus conventional methods

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**By**

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بسم الله الرحمن الرحيم

قَالُواْ سُبْحَانَكَ لاَ عِلْمَ لَنَا إِلاَّ مَا عَلَّمْتَنَا

إِنَّكَ أَنتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

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# Dedication

*This thesis is lovely dedicated to the one who has delivered his massage, advised the nation, the prophet of mercy, prophet Mohamed.*

*The one, Allah has covered him with prestige and dignity, I carry his name proudly, his words are stiff shining such as stars to guide me today, tomorrow, and in the future, my beloved father.*

*The meaning of love and tenderness, the smile of life, the secret behind my success, the most, the most beloved among off all loves my beloved mother.*

*The one who carried the hardships of the study with me, stood to my side, eased the difficulties, being the light that enlightens me towards success my dear husband.*

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# List of Abbreviation

| Term | Abbrevation |
|---|---|
| **LF** | **Laser fluorescence device(Diagnodent pen 2190)** |
| **SN** | **sensitivity** |
| **Sp** | **specificity** |
| **ROC** | **Receiver operating curve.** |
| **AUC** | **area under the curve.** |
| **BW** | **Bite wing radiograph.** |
| **VI** | **visual inspection** |
| **AZ** | **Accuracy** |
| **ICC** | **Interclass correlation coefficient.** |
| **NIF** | **near infrared.** |

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