

# **MSSU/DHSS Contract- Improving Oral Health Teledentistry Sealants**

**Jill Pyle, RDH, BS, MSEd**

**Missouri Southern State University**

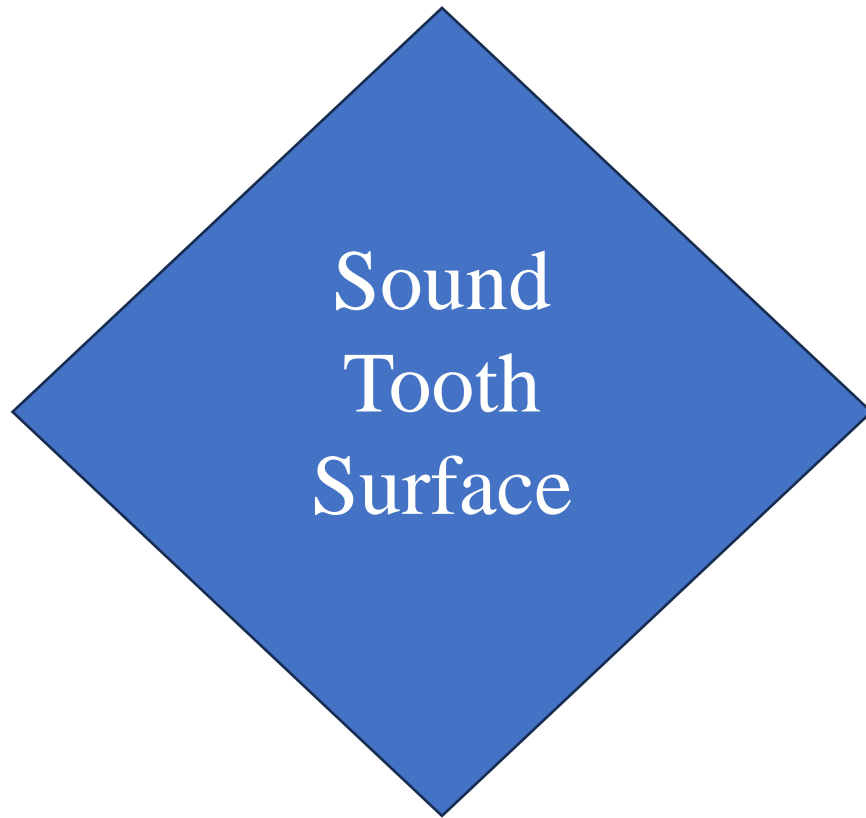
**Dental Hygiene Program Director**

# MSSU/KCU Teledentistry Sealant Program

- Purpose

- Promote and provide education and outreach for the importance of dental sealants and services in Jasper County via Teledentistry to high-risk children.
- Collect data for integration into the electronic medical report.
- Provide dental sealant education to a minimum of 220 parents, caregivers, and other interest parties.
- Provide teledentistry dental sealants to a minimum of 125 children.

# Teledentistry Sealant Flowchart

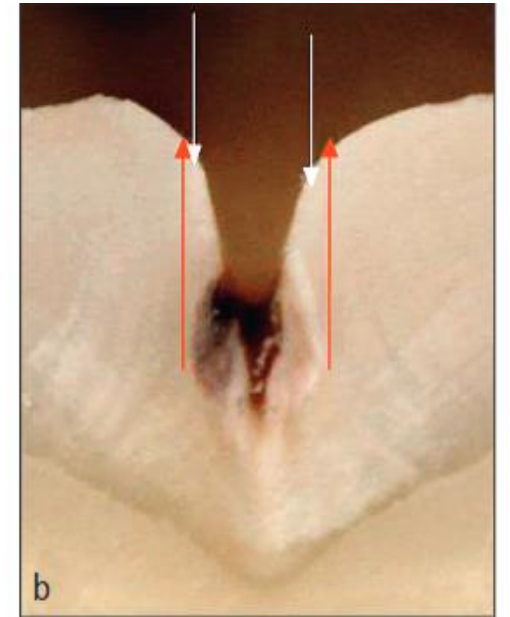
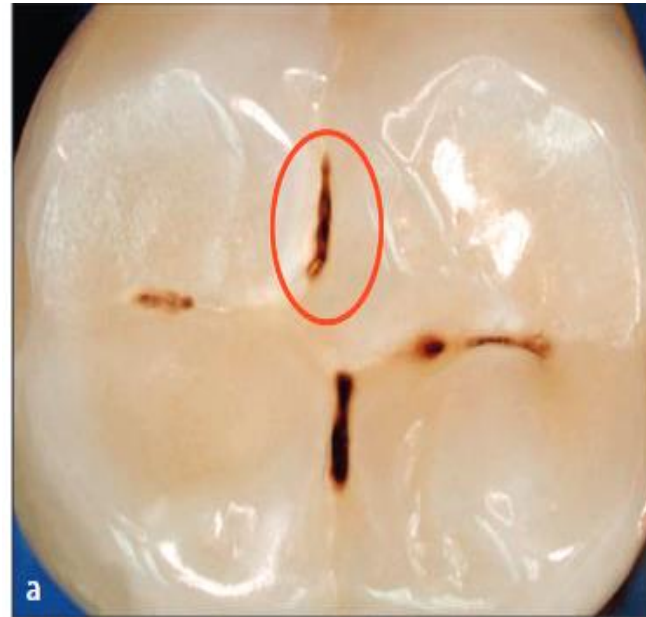


=

**SEALANT**

# Teledentistry Sealant Flowchart

- Is there cavitation?



# Teledentistry Sealant Flowchart: DIAGNOdent

0 - 14 no caries, or histological enamel caries limited to the outer half of the enamel thickness.

15 - 20 histological caries extending beyond the outer half but confined to the enamel.

21 - 99 histological dentinal caries



Clinical Guidelines and Brief Operating Instructions KaVo  
DIAGNOdent®

# Teledentistry Sealant Flowchart: Intraoral Images



Intraoral images and DIAGNOdent readings are sent to supervising dentist by way of teledentistry for review.

Supervising dentist determines whether or not to place a sealant.

<https://www.alafayadentistry.com/technology/intraoral-cameras/870>

# Evaluation of Outcomes

- **Jasper** - March 3, 2023-Screening with PSP form completed for state program and fluoride applied. 134 kids screened; 298 Sealants placed; November 18, 2023- Screening with PSP form completed for state program and fluoride applied; 165 kids screened; Checked retained sealants; 181 sealants placed
- **Sarcoxie** - April 14, 2023-Screening with PSP form completed for state program and fluoride applied. 245 kids screened; Checked retained sealants. 71 Sealants placed; October 6, 2023- Screening with PSP form completed for state program and fluoride applied. 182 kids screened and Checked retained sealants; 125 Sealants placed
- **Avilla**- March 31, 2023-Screening with PSP form completed for state program and fluoride applied; 32 kids screened; 42 sealants placed; November 18, 2023- Screening with PSP form completed for state program and fluoride applied. 70 kids screened; Checked retained sealants

# Future Growth

- **The Rural Citizens Access to Telehealth (RCAT) grant** =\$409,928.00 grant that is funded through MoHealth Net. The grant provides dental screenings, sealants, oral hygiene instructions and fluoride treatments to local elementary schools with diverse populations of children with higher economical needs and less access to dental care. We are currently serving the Avilla, Jasper, Neosho, and Sarcoxie districts but hope to spread in the future. The grant was received on February 1<sup>st</sup>, 2024. It is a three-year grant.
- I look forward to creating a sustainable program for years to come and providing care in the community where there is a need for families that cannot receive the dental care that they need.