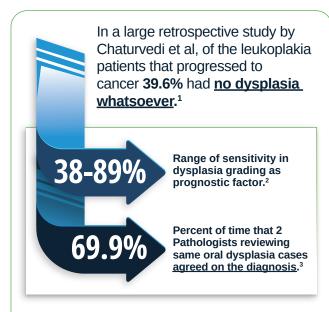
### Pathology Of Oral Leukoplakia/Erythroplakia: Is It Enough?

- Histology alone is not able to predict malignant transformation.
- Dysplasia grading is <u>subjective</u> with <u>poor reproducibility</u> and has <u>limited</u> <u>prognostic value</u>.



LACK OF INDIVIDUAL RISK STRATIFICATION MAY LEAD TO UNDER OR OVER-TREATMENT.



Scan to learn more about **STRATICYTE™** and how the 5-year risk score can help improve care management plans for your OPMD patients.

### **STRATICYTE™** in Practice.

"Stratictye helps to guide clinical decision making by gaining insight into the potential behavior of premalignant oral lesion. Clinicans and patients can use this information to optimize and better personalize a treatment plan."

Dr Deepak Kademani, MD, DMD, FACS, Associate Professor Department of Oral and Maxillofacial Surgery, University of Minnesota

"Straticyte's real value is its ability to accurately & objectively identify and stratify elevated versus low-risk patients, guide OPMD patient management decisions and encourage better patient follow up compliance. Straticyte should reduce the number of patients presenting with advanced disease, thereby increasing 5-year survival rates, lowering direct and indirect health care costs and diminishing Oral Cancer morbidity."

James C. Melville, DDS FACS Professor Department of Oral & Maxillofacial Surgery Oral, Head & Neck Oncology and Microvascular Reconstructive Surgery University of Texas Health Science Center at Houston

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For additional patient information or support please contact us at: proteocyte@patientcaresolutions.com or call 1-833-5-PROTEO (1-833-577-6836)

For all other inquiries please contact us at straticyte@proteocyte.com

STRATICYTE is provided by Proteocyte Diagnostics Inc., a Canadian cancer diagnostics company with offices in Canada & US.

Supported by:







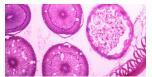


Will This Precancerous Lesion Become Invasive Cacinoma?

How STRATICYTE™ Can Help Avoid Trial and Error In Managing Precancerous Oral Lesions.

Order Your Patient's Personalized Risk Score, Today!





# Biomarkers in Prognostic Oncology.

Why S100A7 is important and how it predicts future malignant transformation of Oral Precancerous Lesions (e.g. Oral Potentially Malignant Disorders or OPMD).

S100A7 is a calcium binding protein involved in cellular replication and cellular invasion. Found in high concentration in many human cancers, S100A7 content is associated with poor prognosis. In oral leukoplakia and erythroplakia, high lesional S100A7 is associated with malignant transformation regardless of dysplasia grading by a pathologist.

S100A7 was selected as a top performing biomarker from a panel of 811 candidate protein biomarkers.<sup>4</sup> This biomarker, along with several histomorphometric features, is the basis of the Straticyte test and is used to calculate a patient's individualized risk score.

### Assists Physicians in Stratifying Patient Risk<sup>5</sup>



# Patients confidently counseled on the low risk of malignant conversion and can be returned to their primary physician or dentist for routine care, following routine surveillance in the critical first 18 to 36 months (highest recurrence period).

### **Elevated**

58%

Proactive, intense surveillance program and early interventional surgery to reduce the incidence of malignant conversion and minimize the morbidity from treatment. Patients remain under the care of the specialty clinician for 5 years during which they are examined every 3 months







# The STRATICYTE™ Test.

Using Al-driven digital technology, the S100A7 biomarker assay is used to

calculate a personalized Risk Score (RS), providing guidance and peace of mind.

Your patient's RS is compared with a large cohort of patients with known clinical outcomes and at least five years of follow up.

Software identifies region of interest after cellular immunohistaochemistry staining for S100A7.

Cytomorphometrics & cellular S100A7 assay are used to compute RISK SCORE on a scale of 0-100.

Consider **STRATICYTE™** and personalize the management of your Oral Pre-cancer (OPMD) patients.

38-89%

Range of sensitivity in dysplasia grading.<sup>2</sup>

97% 97% Sensitivity NPV

Dysplasia Grading

With STRATICYTE™



Scan here to order and learn more about **STRATICYTE™** 

## The STRATICYTE™ Difference.

A personalized, signature-based cancer protection assay for Oral Cancer.

Current workflow remains same with the exception of simply ordering the STRATICYTE™ test



Suspicious oral lesion identified during routine exam\*



Biopsy performed by surgeon in office (awake patient, local anesthesia).



Simply order the STRATICYTE™ test.

Digital image of biopsy evaluated by STRATICYTE™ software.

### **Output**

Pathology lab returns report to surgeon.

STRATICYTE™ report provides individual patient risk of developing oral cancer over 5 years.

#### Result

Treatment plan developed for at-risk patients improving early cancer detection, leading to meaningful increase survival rates.

\*Examine for suspicious oral lesions / oral cancer is a recommended practice standard by the American Dental Association



### **Simple Integration**

Order the Test, **Proteocyte** does the rest!



No Additional Biopsy
Uses patient's original biopsy tissue



### **5-Year Risk Score**

Accurate, objective, individualized. Sensitivity of **97%** and a NPV of **97%**.