



Dear Customer,

Biomolecular Diagnostic is proud to present a new tool for prevention and treatment of Periodontitis:

GPS, Genetic Periodontal Screening.

Since the introduction of the first test for periodontal risk assessment, we have had the clear feedback that just testing the IL-1 related inflammatory mechanisms was absolutely not enough to describe the complexity of immune reactions against the main periopathogens.

The main problem was that we had 100% positive reports describing high risk profiles, but in many low risk profiles we had clinical situations of aggressive periodontitis. It meant that a large number of false negative risk profiles was coming up using the traditional test for periodontal risk assessment.

The new GPS test combines the three classic polymorphisms study - IL-1 α , IL-1B and IL-1rn - with the analysis of other key mediators of the inflammatory process, such as COX-2, IL-6 and IL-10.

According to a Biomolecular Diagnostic study on a sample of more than 1000 patients, mutations of IL6 and IL-10 - physiological inflammatory process controllers - are crucial in increasing the individual risk profile as well as the IL-1 polymorphisms. This is the reason why we decided to add these new polymorphisms to the old ones. More polymorphisms will be added as soon as evidence of their involvement in development and progression of the disease will become available.

In worldwide periodontitis research, GPS is the only test focused on the study of "infectogenomica". This term explains the correlation between genetic profile and individual proneness of developing diseases such as peptic ulcer, Crohn's disease, and periodontal disease. Genetic profile can influence sub gingival flora bacteria composition, unleashing inflammation and increasing the progression of the disease.

GPS report includes new genetic polymorphisms, considers risk factors such as age, smoking, pregnancy, breastfeeding and menopause, and offers a comprehensible comment on patient's genetic profile.

Biomolecular Diagnostic is pleased to offer to its customers a completely innovative and immediately clear product that guides dentists to success in periodontal therapy and in disease prevention.

Biomolecular Diagnostic now immediately offers to all its customers the new GPS test at the same price of the traditional genetic test. The traditional genetic test will be completely replaced by GPS from 01 April 2010 to the price of 99 euros.

For further information, please contact Dr. Chiara De Leo and Dr. Elena Fanti at No. +39 055 0123 707 or write to: info@biomoleculardiagnostic.com