UNIVERSITY "GOCE DELCHEV" – STIP
FACULTY OF MEDICAL SCIENCES – DENTAL MEDICINE

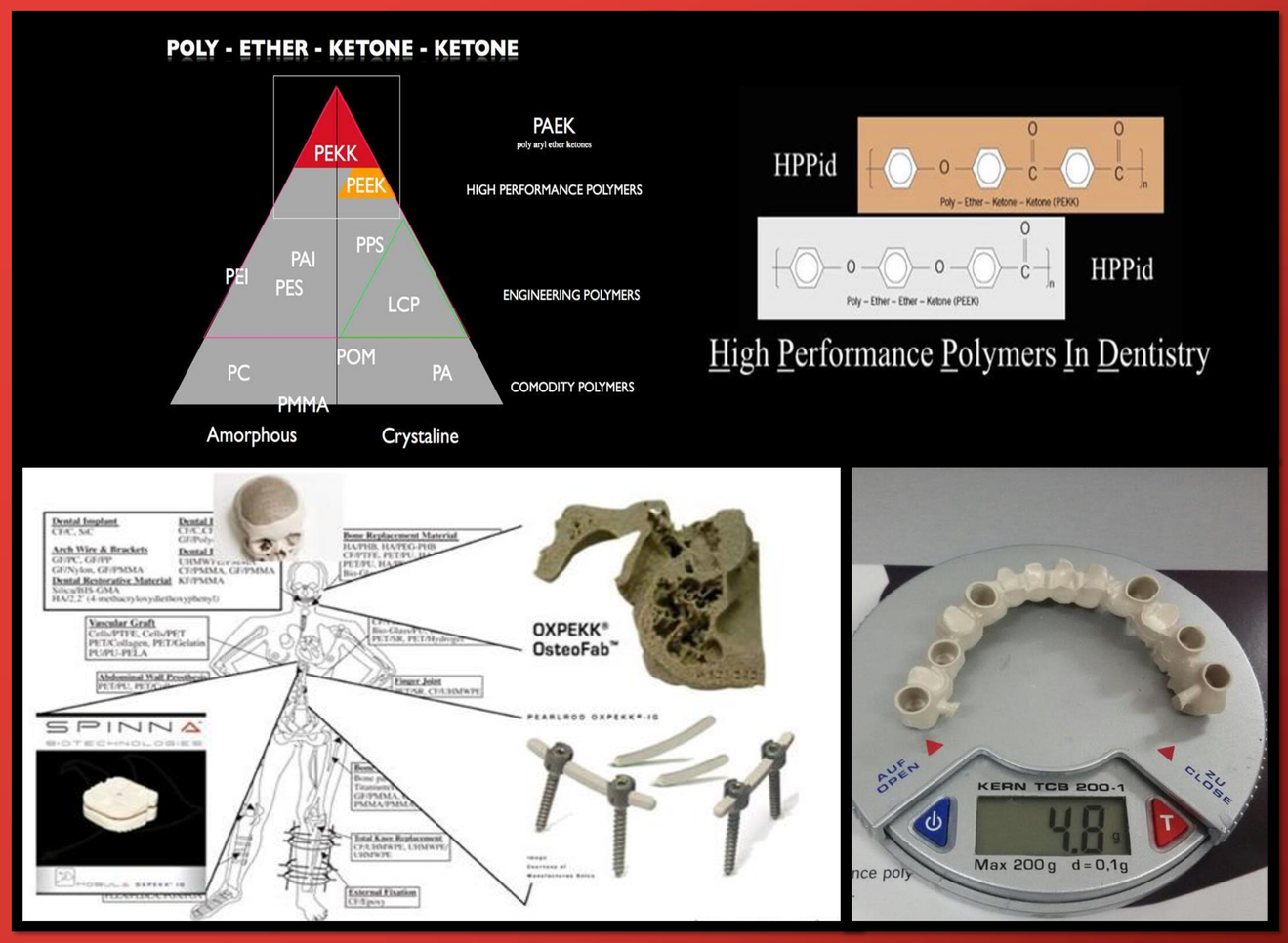
INTERNATIONAL STUDENTS' SYMPOSIUM OF FACULTY OF MEDICAL SCIENCES
CELEBRATING ACHIEVEMENTS IN MEDICINE, PROMOTING HEALTH AND SHARING KNOWLEDGE
STIP , 20 APRIL 2016
MULTIMEDIA CENTRE - UGD

HIGH PERFORMANCE POLYMERS IN DENTAL LABORATORY

Mickovska Daniela[1], Kovacevska Ivona[2], Denkova Natasa[3], Apostoloski Pavle[3]

Introduction

The material developed to meet the requirements of dental prosthetics, whose predecessors are being used successfully in human medicine for more than 30 years as spinal intermediate bodies, knuckle joints and hip joint prosthetics, heart valve replacements, so that their bio-compatibility and mechanical properties are already tried and tested.



Aim

High-performance polymers a measurable resistance of 600 MPs, which clearly shows that this material has got characteristic features that provide more security. Unlike the materials used so far for skeleton restorations, the elastic characteristics of HPP are adaptable to the bone. These high-performance polymers have high long-term stability and low water retention.

Conclusion:

The white color ensures that no dark shadows show through the gingiva. Opaques are therefore not required any more. The innovative material HPP offers new possibilities of fitting patients with fixed and removable high-value dental prosthetics.