

University "Goce Delchev" Stip, Macedonia
Faculty of Medical Sciences



FIRST INTERNATIONAL SYMPOSIUM FOR TRADITIONAL CHINESE MEDICINE

"THE BODY IS YOUR TEMPLE - KEEP IT
PURE AND CLEAN FOR THE SOUL TO
RESIDE IN"

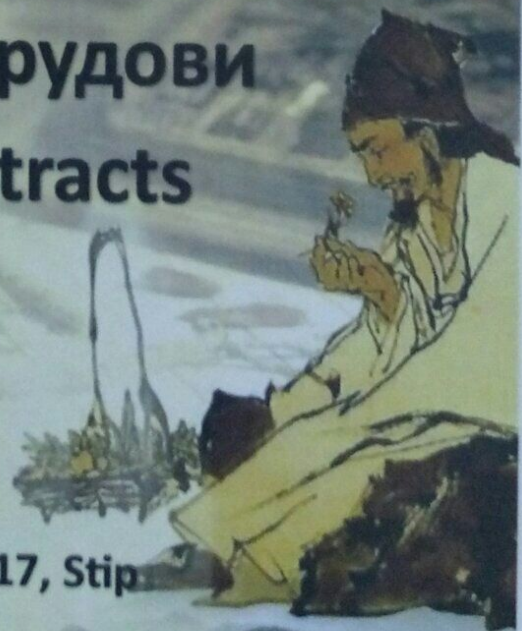
Qi energy and medicine



气功与医学

Зборник на трудови
Book of abstracts

06th December, 2017, Stip



"The body is your temple – keep it pure and clean for the soul to reside in"

Mihajlo Petrovski, Olivera Terzieva- Petrovska, Anastasija Popovska, Verica Popovska "Knowledge and procedures of alternative medicine for oral health management among dental students".....	38
Mihajlo Petrovski, Olivera Terzieva-Petrovska, Gjorgi Gugicev, Ilco Gorgioski "Assessment of periodontal treatment need among dental medicine students".....	39
Vaska Spaskova, Biljana Angelovska, Lence Nikolovska, Tamara Stratorska "Treatment for Carpal tunnel syndrome (CTS) with acupuncture".....	40
Igor Jancheski, Mile Atanasov "Physiotherapy & Acupuncture treatment of peripheral facial paralysis/palsy".....	41
Biljana Angelovska, Vaska Spaskova, Nevenka Gruevska "Complementary treatment using Acupuncture for Scoliosis".....	42
Darko Kocovski, Tatjana Lazareva, Sandra Atanasova, Verica Toneva, Olivera Petrovska – Terzieva "Oral health status of children with special health care needs in Shtip".....	43
Pavle Apostoloski, Cena Dimova, Kiril Mitevski, Olivera Terzieva-Petrovska "Effect of Mechanical and Chemical Preparation of Artificial Teeth and Acrylate Prosthetic Base".....	44
Andrej Petrusevski, Ana Trajkovska, Kiro Papakoca, Ljupka Lazarova, Sandra Atanasova, Sanja Nashkova "Side effects of local anesthetics when placing the implants (Researching the dental offices in city of Stip)".....	45
Strahil Todorov, Darinka Gjorgieva Ackova	

"The body is your temple – keep it pure and clean for the soul to reside in"

Effect of Mechanical and Chemical Preparation of Artificial Teeth and Acrylate Prosthetic Base

Pavle Apostoloski, Cena Dimova, Kiril Mitevski, Olivera Terzieva-Petrovska

Faculty of medical sciences, University "Goce Delcev"-Shtip

Abstract

Introduction: Preparation of the basal area in acrylate artificial teeth is a very important factor in the quality of a dental prosthesis. It refers to the link between artificial teeth and acrylic denture base made of heat polymerized acrylic. The most common reason for failure of mobile prosthetic works is falling artificial teeth acrylate prosthetic base. The failure is due to the manner of connection between the base and artificial teeth. As the main factor which affects the level of retention is mechanical preparation of the basal area in acrylate teeth.

Materials and Methods: For realization of the setted aim 10 acrylic models were analysed. The research was designed to show the justification for the mechanical and chemical preparation of the basal area in acrylate artificial teeth, then using a light microscope to measure the size of the crack between acrylic artificial teeth and acrylic denture base. The research described two different techniques, the first one with chemical preparation and the second one with mechanical and chemical preparation, which justify the best technique of preparation.

Results: The results showed that there is no distance to the interspace occurs in models from the first and the second group. For the models of second group interspace between artificial teeth and acrylic base have bigger contact area, so there is better connection.

Conclusion: Combination of mechanical and chemical preparation of artificial teeth significantly affect the degree of physical connection and also provides greater contact surface with acrylate prosthetic base.

Keywords: arteficial teeth connection, heat polymerization, mechanical preparation, chemical preparation.