

(283 world-wide studies, articles and analyses related to BioEMG)

1 [Electromyographic study of the ability of masticatory and additional muscles with the help of the device **Bioemg III**”\(USA\) in patients with complex maxillofacial ...](#)

RA Levandovskyi - Галицький лікарський вісник, 2014 - irbis-nbuv.gov.ua [PDF]

There was conducted the analysis of electromyography of patients with complex maxillofacial pathology using eightelectromyographs **BioEMG III** (USA) when characterizing the ...

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[Adjustment of occlusal splint with synchronized T-Scan III digital occlusal analysis system and Bio-EMG III in a patient with sleep bruxism](#)

D Karakis, ED Demirdag - Journal of Advanced Oral ..., 2021 - journals.sagepub.com

... have been synchronized together: T-Scan III and **BioEMG III**. In the present case report, an ... digital occlusal analysis system and **BioEMG III**. Optimal occlusal parameters were generated, ...

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3 [\[PDF\] Digital Analysis of Occlusion in Adult Post Orthodontic Subjects Using T-Scan III and **BioEMG III**-a Pilot Study](#)

KS Sumanth, P Thumati... - ... Dental Technologies & ..., 2019 - adtt.scholasticahq.com

Aim of the Study - The aim of this pilot study was to investigate the difference in occlusal force parameters in post-orthodontic subjects using TScan occlusal analysis data and EMG. ...

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4 [Employing the T-Scan/**BioEMG III** Synchronized Technologies to Diagnose and Treat Chronic Occluso-Muscle Disorder](#)

RB Kerstein - Handbook of Research on Clinical Applications of ..., 2020 - igi-global.com

This chapter discusses chronic occluso-muscle disorder, which is a myogenous subset of temporomandibular disorder (TMD) symptoms resultant from occlusally activated muscle ...

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5 [T-Scan 10+ **BioEMG III**-guided Disclusion Time Reduction \(DTR\) Therapy to Treat Chronic Myofascial Pain Symptoms](#)

V Kunte, BA Sutter, S Sagwekar - ... Dental Technologies & ..., 2024 - adtt.scholasticahq.com

... A) T-Scan linked to **BioEMG III** displaying a right lateral excursion pre-DTR. The Disclusion
... B) T-Scan linked to **BioEMG III** displaying the same subject's post ICAGD/DTR right lateral ...

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[6 Refining occlusion with muscle balance to enhance long-term orthodontic stability](#)

D Mahony - Journal of Clinical Pediatric Dentistry, 2005 - [meridian.allenpress.com](#)

... Recently the two companies who separately manufacture the T-Scan II and the **BioEMG II**
have ... and the **BioEMG II** program will dutifully “follow” it. Or, the dentist can “Run” the **BioEMG II** ...

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[7 \[HTML\] The Difference in Electromyographic Activity While Wearing a Medical Mask in Women with and without Temporomandibular Disorders](#)

[M Ginszt](#), [G Zieliński](#), J Szkutnik, M Wójcicki... - International Journal of ..., 2022 - [mdpi.com](#)

... anterior (TA), superficial masseter (MM), anterior bellies of the digastric muscle (DA), and
the middle part of the sternocleidomastoid muscle (SCM) were carried out using the **BioEMG III**...

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[8 The Management of Advanced Tooth Wear Using the T-Scan/BioEMG Synchronization Module](#)

T Sierpińska - Handbook of Research on Computerized Occlusal ..., 2015 - [igi-global.com](#)

Tooth wear is considered a normal, age dependent, physiological process that leads to the
loss of enamel and dentine. However, in some cases the process is so progressive that it ...

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TS II–**BioEMG II** - [dentalnews.com](#)

... manufacture the T-Scan II and the **BioEMG II** have created a milestone by making their ...
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[10 \[HTML\] Absolute Maximum Bite Force Changes in Orofacial Pain Patients Immediately Following Disclusion Time Reduction \(DTR\) using Innobyte.](#)

BA Sutter, P Girouard - Advanced Dental Technologies & ..., 2024 - [adtt.scholasticahq.com](#)

... The T-Scan 10/**BioEMG III** (right) technologies simultaneously ... T-Scan 10/**BioEMG III** data was obtained prior to subjects ... The pre-treatment T-Scan 10/**BioEMG III** recordings guided the ...

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[11 Disclusion Time Reduction \(DTR\) With the Synchronized T-Scan 10/**BioEMG III** Technologies to Treat Chronic Muscular Temporomandibular Disorder \(TMD\)](#)

[RB Kerstein](#) - Handbook of Research on T-Scan Technology ..., 2025 - igi-global.com

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[12 Relationship between occlusal force distribution and the activity of masseter and anterior temporalis muscles in asymptomatic young adults](#)

A Wieczorek, J Loster, BW Loster - BioMed Research ..., 2013 - Wiley Online Library

... However, the T-scan III system can be integrated with the **BioEMG III** system. In this way, ... For the time being, T-Scan III/**BioEMG** Integration Software is considered as the best tool in ...

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[13 Tooth Wear: Prevention, Treatment, and Monitoring Using the T-Scan/**BioEMG** Synchronization Module](#)

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[14 Masseter and temporalis excursive hyperactivity decreased by measured anterior guidance development](#)

[RB Kerstein](#), [J Radke](#) - Cranio®, 2012 - Taylor & Francis

... with **BioEMG III** (n=180 muscles). This recording was done twice, once pretreatment and again posttreatment (same day) after undergoing the ICAGD enameloplasty on the same day ...

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[R Kerstein](#) - Int J Oral Craniofac Sci, 2022 - researchgate.net

... Surface Electromyography (**BioEMG III**) can record varying muscle contraction levels of the
... The T-Scan 10 and the/**BioEMG III** when paired together have synchronized data sets [19], ...

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... A) The magnet-based incisor-point tracker JT-3D and **BioEMG III** in place on a patient's head. B) 15-20 individual, sequentially recorded gum chewing cycles that are segmented and ...

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17 [HTML] [Anisometropic Patient and Current Bioelectrical Activity in the Masticatory and Cervical Muscles](#)

[G Zieliński](#), [A Woźniak](#), [M Ginszt](#), [J Szkutnik](#), [N Marchili](#)... - Reports, 2024 - mdpi.com

... An 8-channel electromyograph **BioEMG III™** was used for the examination. Microvolt ...
electromyographs like the **BioEMG III**. In this context, the **BioEMG III** electromyograph incorporates ...

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[XR Wang](#), [Y Zhang](#), [N Xing](#), [YF Xu](#)... - Journal of Oral ..., 2013 - Wiley Online Library

... In this study, T-Scan III system and **BioEMG III** system were used to record bite force, occlusal contacts and SEMG activity of the anterior temporalis (TA) and of the masseter muscles (...)

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19 [Modifications of Dental Proprioceptivity After Apicectomy.](#)

[JK Mária](#), [S Popșor](#), [A Kovács](#) - Acta Medica Marisiensis, 2011 - search.ebscohost.com

... We used the **BioEMG II** device, with surface electrodes placed bilaterally on the masseter muscles, the achieved data were recorded and analyzed using the device software. Results: ...

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Had any of the T-Scan 10/**BioEMG III** based research been included in this mediotrusive article...

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21 [Employing Specific Immediate Complete Anterior Guidance Development \(ICAGD\) Occlusal Adjustment Protocols to Achieve Short Disclusion Time](#)

S Srivinas - Handbook of Research on T-Scan Technology ..., 2025 - igi-global.com

... TMD symptomatology, which can be readily resolved with the ICAGD coronoplasty utilizing the T- Scan 10 computerized occlusal analysis system synchronized with the **BioEMG III** ...

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[S Popșor](#), C Șoaita - Romanian Journal of Oral Rehabilitation, 2012 - rjor.ro

... The **BioEMG II** device used in our study is specifically destined to record the head and neck muscle activity and it is the only surface EMG system that is entirely gainless. In the available ...

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... The electromyograph **BioEMG III** and BioPAK Measurement System were used for the recording. ResultThe electrical activity of the TA and MM muscles of the right and left side during ...

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... The **BioEMG II** device used in our study is specifically destined to record the ... the **BioEMG II** electromyographic system for orbicularis oris muscles. Saccucci et al.[24]used the **BioEMG II** ...

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26 [Biometric dentistry and temporomandibular disorders](#)

AP Sattur - International Journal of Oral Health Sciences, 2018 - journals.lww.com

... This includes the T-scan III for the teeth, **BioEMG III** (surface electromyography [SEMG]), Jaw tracker (JT), and BioJVA (Joint Vibratory Analysis) for accurate diagnosis and treatment of ...

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29 [Correlation between refractive error, muscle thickness, and bioelectrical activity of selected masticatory muscles](#)

[G Zieliński](#), M Wójcicki, [M Rapa](#), A Matysik-Woźniak... - CRANIO®, 2025 - Taylor & Francis

... The activity of selected masticatory and neck muscles was performed using the **BioEMG III** 8-channel electromyograph compatible with the BioPAK measurement system (BioResearch ...

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... Resting and functional activity of temporalis anterior (TA) and masseter (MM) muscles were measured by electromyograph **BioEMG III**. There were statistically significant effects of group ...

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... The eight-channel electromyograph **BioEMG III**, compatible with BioPAK Measurement System, was used for the recording. To describe the asymmetry of the TA, MM muscles and TA—...

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... Further muscle activity reductions can be achieved by then performing a Disclusion Time Reduction (DTR) with the composite additions using the T-Scan 10/**BioEMG III** synchronized ...

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PP Thumati, RP Thumati, P Thumati... - Advanced Dental ..., 2021 - [adtt.scholasticahq.com](#)

... A pre-ICAGD right excursion T-Scan 10/**BioEMG III** recording showing in the EMG data (upper right pane in red), visible excursive muscle hyperactivity to the right of line C, in the right ...

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M Ginszt, G Zieliński - Journal of Clinical Medicine, 2021 - [mdpi.com](#)

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...) recording with an 8-Channel **BioEMG III** BioPAK Measurement system Electromyograph (... Participant of the T-scan study with **BioEMG III** BioPAK Measurement system connected with ...

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... The patient underwent an objective T-Scan 10/**BioEMG III** functional occlusal analysis and was diagnosed with Occlusomuscular Disorder, which is a subset of Temporomandibular ...

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M Ayinala, S Poovani, P Thumati... - Advanced Dental ..., 2020 - [adtt.scholasticahq.com](#)

... JT-3D Incisor-point tracker and **BioEMG III** on subject with EMG electrodes in place (JT-3D ...
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... The T-Scan ® /**BioEMG III** synchronized technologies elucidate the previously undetectable and untreatable occlusal parameters of timing, force, surface friction, and muscle ...

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M Zhao, M Han, [J Habumugisha](#)... - Journal of Oral ..., 2023 - Wiley Online Library

... The **BioEMG III** surface electromyograph was used to record EMG activities, composed of eight input channels and 0–2000 Microvolts (μV) input range, a high-pass cutoff frequency of ...

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This study aims to examine the correlations between masticatory and neck muscle thickness and activity versus eyeball length, retinal thickness, choroidal thickness, and intraocular ...

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46 [Electromyographic activity of sternocleidomastoid and masticatory muscle in patients with prognathism.](#)

LI Bo, LU Li - West China Journal of Stomatology, 2011 - search.ebscohost.com

... 方法选取于中国医科大学口腔医院颌面外科就诊的下颌前突患者32名为研究对象,运用美国 **BioEMG II**八道表面肌电仪和BioFLEX带状双极表面电极记录患者在下颌不同功能运动时咀嚼肌的...

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... of the superficial masseter and the anterior temporalis muscles and parallel to the direction of muscle fibers, the recording was activated such that both the T-Scan II and the **BioEMG II** ...

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... The purpose of this study was to treat patients diagnosed with MD utilizing the T-Scan Novus and **BioEMG III** to guide measured occlusal corrections in bite force and timing. The null ...

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[A Wieczorek](#), [M Czarnek](#)... - Journal of Dentistry ..., 2021 - [scholarhub.ui.ac.id](#)

... This was possible thanks T-scan III / **BioEMG III** integration ... **BioEmg III** system. In this way, synchronized clinical data can be recorded simultaneously. At present, the T-scan III/ **BioEMG** ...

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[G Zieliński](#), [M Baszczowski](#), [M Rapa](#)... - Pain Research and ..., 2022 - Wiley Online Library

Objective. The present study aimed to evaluate the correlation of eye length and bioelectric activity of temporalis, masseter, digastric, and sternocleidomastoid muscles in women with ...

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P Thumati, [JC Radke...](#) - Journal of Indian ..., 2019 - journals.sagepub.com

... Prior to any treatment, all patients consented to have the bilateral electrical activity of their masseter and temporalis muscles recorded (**BioEMG III**, BioResearch Inc., Milwaukee, WI, USA...

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... over the bodies of the superficial masseter and the anterior temporalis muscles parallel to the direction of the muscle fibers, a recording was activated in which both the **BioEMG II** and T...

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53 [Assessment of masticatory muscle activity and occlusion time in patients with advanced tooth wear](#)

T Sierpinska, J Kuc, M Golebiewska - Archives of oral biology, 2015 - Elsevier

... All of the muscular activity records were made with the **BioEMG II** amplifier (BioResearch, Inc., Milwaukee, WI, USA). The **BioEMG II** amplifier is differential, high gain type, with 1000 giga...

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KSA Al-Sulaihi, P Thumati... - Advanced Dental ..., 2020 - adtt.scholasticahq.com

... The T-Scan III and **BioEMG III** are two separate computer technologies that have been synchronized together, so that an operator can record their separate diagnostic data ...

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... Measurements of the bioelectric activity of the temporalis anterior (TA) and masseter muscle (MM) were carried out using the **BioEMG III**™. Based on statistical analysis, significantly ...

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[G Zieliński](#), A Matysik-Woźniak, M Baszczowski... - International Journal of ..., 2023 - mdpi.com

... Methods: Selected masticatory and cervical spine muscles were analyzed using an eight-channel **BioEMG III** electromyograph. Central sensitization was analyzed using the central ...

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... An 8- channel **BioEMG III** and BioPAK Measurement System (BioResearch Inc., Milwaukee, WI, USA) was used in this study. The **BioEMG III** differential amplifier was calibrated at 5000...

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58 [\[PDF\] TMJ vibration changes following immediate complete anterior guidance development](#)

[J Radke](#), N Yiannios, B Sutter... - ... Dental Technologies & ..., 2018 - adtt.scholasticahq.com

... Each subject was also informed that the T-Scan 9 /**BioEMG III** recordings and JVA would be employed before and after ICAGD, to assess any changes within the occlusal contact pattern...

59 [\[PDF\] Myopia & painful muscle form of temporomandibular disorders: connections between vision, masticatory and cervical muscles activity and sensitivity and sleep quality](#)

[G Zieliński](#), A Matysik-Woźniak, M Baszczowski... - Scientific Reports, 2023 - nature.com

The main aim of this study is to evaluate the effects of painful muscle form of temporomandibular disorders and myopia on the connections between the visual organ, the bioelectrical ...

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60 [\[HTML\] Computer-guided Occlusal Treatment Improves the Smoothness Timing and Velocity of Gum Chewing Galley Proof 3-12-2018](#)

[RB Kerstein](#), [J Radke](#) - Advanced Dental Technologies & ..., 2019 - adtt.scholasticahq.com

... BioResearch Associates loaned a JT-3D jaw tracker (Electrognathograph) & **BioEMG III** electromyograph for all chewing function and muscle physiology recording procedures. ...

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61 [A nomogram for assisting in diagnosing mouth breathing based on maxillofacial surface electromyographic activity](#)

M Zhao, AS Mohamed, B Cheng, H Li, G Wang, L Ji... - BMC Oral Health, 2025 - Springer

... The **BioEMG III** eight-channel surface electromyograph and bipolar surface electrodes from Bio Research, USA, were used to record maxillofacial sEMG activities. The **BioEMG III** ...

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62 [Average chewing pattern improvements following Disclusion Time reduction](#)

RB Kerstein, J Radke - CRANIO®, 2017 - Taylor & Francis

... Citation 21 It is noteworthy that the T-Scan/**BioEMG III** synchronized technologies are bringing into question a foundation occlusal concept deemed acceptable by equilibration theory....

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63 [Influence of soft stabilization splint on electromyographic patterns in masticatory and neck muscles in healthy women](#)

G Zieliński, M Wójcicki, M Baszczowski, A Żyśko... - Journal of clinical ..., 2023 - mdpi.com

This study investigates the influence of soft stabilization splints on electromyographic patterns in masticatory and neck muscles in healthy women. A total of 70 healthy women were ...

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64 [\[PDF\] RELATIONSHIP BETWEEN FUNCTIONAL LATERALITY AND ELECTROMYOGRAPHIC MUSCLE ACTIVITY-A PILOT STUDY](#)

G Zielinski, M Suwala, M Ginszt, K Lipa... - ... of fluorescence in situ ... - researchgate.net

... In order to assess muscular activity of masseter and temporal muscles, **BioEMG III** electromyograph was used. Pressure pain threshold in area of trapezius muscle and in a group of ...

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65 [\[PDF\] Masticatory muscles activity in healthy young adults](#)

M Ginszt, J Szkutnik, M Bakalczuk, M Berger... - Europ J Med ..., 2017 - academia.edu

... The 8-channel electromyograph **BioEMG III**, compatible with BioPAK Measurement System, ... he 8-channel electromyograph **BioEMG III** (BioResearch Associates, Inc., Milwaukee, WI, ...

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66 [Complex Medical Conditions With an Underlying Occlusal Etiology Successfully Resolved by Disclusion Time Reduction \(DTR\)](#)

BA Sutter - Handbook of Research on T-Scan Technology ..., 2025 - igi-global.com

... , which included the T- Scan 10/ **BioEMG III** synchronization module. This two- function ... timing data that can only be gathered by the T- Scan 10/**BioEMG III** synchronization module. ...

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67 [Disclusion time reduction therapy in treating occluso-muscular pains](#)

P Thumati, [RB Kerstein](#), RP Thumati - The Journal of Indian ..., 2017 - journals.lww.com

... The patient underwent a temporomandibular joint examination using Joint Vibration Analysis (JVA, BioResearch Assoc., Milwaukee, WI, USA) and T-Scan III/**BioEMG** recordings to ...

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68 [\[PDF\] Changes in the Beck Depression Inventory-II scores of TMD subjects after measured occlusal treatment](#)

P Thumati, [R Kerstein](#), N Yiannios... - Advanced Dental ..., 2018 - adtt.scholasticahq.com

Introduction: There is limited literature describing the use of psychological testing on TMD patients who undergo occlusal treatment. Objective: The aim of this study of carefully selected ...

69 [\[PDF\] The Effect of Antidepressant Chemical Compounds on Masticatory Muscles Activity in Depressive Patients](#)

EL ALBERT, DC SABAU, [CG GRECU](#), L VAIDA... - revistadechimie.ro

Using the surface electromyography, we evaluated the effect of long-term intake of antidepressant chemical compounds on the masticatory muscles electrical activity at rest in twenty-...

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P Thumati, RP Thumati... - ... Dental Technologies & ..., 2022 - adtt.scholasticahq.com

... recruited to masticate a hard bolus while their motions were recorded with the JT-3D magnetic incisor-point tracker, their muscle activity was simultaneously recorded with the **BioEMG III** ...

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71 [HTML] [Biometric characteristics of TMJ, masticatory muscles and teeth in dental malocclusion in an asymptomatic population](#)

U Pandey, A Sattur, [R Kerstein...](#) - Advanced Dental ..., 2021 - [adtt.scholasticahq.com](#)

... Mid right excursion prior to D in the T-Scan 9/**BioEMG III** data. ... Both the Temporalis muscles (in the **BioEMG**) demonstrated ... an additional evaluation using JVA, T-Scan and **BioEMG III**. ...

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72 [HTML] [The effects of wearing a medical mask on the masticatory and neck muscle activity in healthy young women](#)

[M Ginszt](#), [G Zieliński](#), J Szkutnik, M Wójcicki... - Journal of Clinical ..., 2022 - [mdpi.com](#)

... part of the sternocleidomastoid muscle (SCM) potentials were recorded at rest and during functional activity using an eight-channel device for surface electromyography—**BioEMG III** TM ...

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73 [Evaluation of the effectiveness of TMD therapy with the use of occlusal splint and low-level laser therapy](#)

O Gruca - 2020 - [ppm.sum.edu.pl](#)

... Następnie wykonano elektroniczne pomiary napięcia mięśni skroniowych i żwaczy za pomocą elektromiografu **BioEMG III** (BioResearch®). Przeprowadzono również analizę kinetyki ...

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74 [DOC] [Дослідження функціонального стану зубощелепного апарату у пацієнтів з різними видами незнімних знімних протезів](#)

ВП Несрядько, ІД Ірійчук, НВ Лисейко - 2020 - [ir.librarynmu.com](#)

... Наведені дані ґрунтуються на результатах дослідження комп'ютерного аналізу оклюзії TScan III (США) та електроміографічного дослідження стану жувальних м'язів **BioEMG III**...

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75 [An electromyographic study on the sequential recruitment of bilateral sternocleidomastoid and masseter muscle activity during gum chewing](#)

SX Guo, BY Li, Y Zhang, LJ Zhou, L Liu... - Journal of Oral ..., 2017 - Wiley Online Library

... activities were made with the **BioEMG III** electromyographic recording system (Bioresearch ... According to the Manufacturer of the **BioEMG III** System, the configuration is as follows. The ...

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76 [A disclusion time reduction randomized controlled occlusal adjustment trial](#)

P Thumati, S Poovani, B Bharathi... - Advanced Dental ..., 2020 - [adtt.scholasticahq.com](#)

Objective: The Aim of this study was to perform a computer-guided occlusal adjustment study using a Randomized Clinical Trial (RCT) design and to either corroborate or contradict the ...

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77 [Effects of class II intermaxillary elastics on masticatory muscle activity balance, occlusal contact area and masticatory performance: A multicenter randomised ...](#)

[N Nalamliang...](#) - Journal of Oral ..., 2023 - Wiley Online Library

... (sEMG) using an 8-channel **BioEMG III** and BioPAK Measurement System (BioResearch, Inc.). The differential amplifier of the **BioEMG III** was calibrated to 5000×. Bandwidth filtering ...

78 [\[PDF\] METHODS OF RECORDING MANDIBULAR MOVEMENTS.](#)

NF Betty, R Rai - Guident, 2020 - [search.ebscohost.com](#)

... (**BioEMG II**). The **BioEMG II** can show the levels of activity before and after the TENS pulsing. Many pain patients exhibit more muscle activity before pulsing and less activity after pulsing....

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79 [\[HTML\] Masticatory Analysis Of An Edentulous Patient, Case Report](#)

K Al-Sulaihi, P Thumati, S Poovani... - ... Dental Technologies & ..., 2018 - [adtt.scholasticahq.com](#)

... **BioEMG III** electromyograph in full edentulous state and with the complete removable dentures. One week after the implants were surgically placed the lower denture was modified to fit ...

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80 [Selected muscle tone and asymmetry of the occlusal plane in case of intracapsular temporomandibular joint disorder](#)

M Yurchenko, H Hubáľková, J Charvát - CRANIO®, 2024 - Taylor & Francis

... The examination of the muscles was conducted with the help of the **BioEMG II** device, which ... The electromyograph **BioEMG II** measures the muscle potential with the help of four pairs of ...

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81 [Masticatory performance is influenced by masticatory muscle activity balance and the cumulative occlusal contact area](#)

[N Nalamliang](#), P Sumonsiri, U Thongudomporn - Archives of oral biology, 2021 - Elsevier

... The differential amplifier of the **BioEMG III** was calibrated to 5000 × . Bandwidth filtering was set (fixed) from 30 to 1000 Hz. The common mode rejection ratio was > 130 dB at a power ...

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82 [Are occlusal contact area asymmetry and masticatory muscle activity asymmetry related in adults with normal dentition?](#)

[N Nalamliang](#), P Sumonsiri, U Thongudomporn - CRANIO®, 2022 - Taylor & Francis

... The differential amplifier of the **BioEMG III** was calibrated to 5000 ×. Bandwidth filtering was set (fixed) from 30 to 1000 Hz. The common mode rejection ratio was > 130 dB at a power ...

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83 [\[HTML\] Digital evaluation of Occlusion in Treating a Patient Suffering from Temporomandibular Dysfunction: A Case Report](#)

W Sutradhar, P Thumati... - ... Dental Technologies & ..., 2019 - adtt.scholasticahq.com

Objective: To evaluate and treat a patient presenting with Temporomandibular joint pain in the right side of her face. Methods: A 23-year-old female patient visited the Dept. of ...

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84 [Variables associated with jaw clicking in a south Australian population: A cross-sectional study](#)

TH Farook, L Ramees, J Dudley - Oral, 2024 - mdpi.com

Background: The influence of medical and dental factors on jaw clicking within the South Australian population remains unexplored, and there is a lack of research on the impact of ...

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85 [\[PDF\] Effects of botulinum toxin type A on masticatory muscle activity in patient with sleep bruxism—a case study](#)

M Ginszt, G Michalczewski, M Berger, M Bakalczuk... - ..., 2018 - medical-technologies.eu

... The 8-channel electromyograph **BioEMG III**, compatible with BioPAK Measurement System, was used for the recording. Results: The masseter muscle activity during maximum ...

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86 [HTML] [Cold Sensitive Teeth Improvements After Disclusion Time Reduction \(DTR\)](#)

P Thumati, RP Thumati, [RB Kerstein](#)... - Advanced Dental ..., 2022 - adtt.scholasticahq.com

... Mid pre-operative right excursion T-Scan 10/**BioEMG III** recording showing between the C and D Lines there is both working group function and left balancing contacts influencing the ...

87 [PDF] [Electromyographic Study on Jaw-closing Muscle Induced by Preseted Levels of Clenching.](#)

L ZHOU, B LI, M WANG - Journal of Oral Science ..., 2015 - manu45.magtech.com.cn

... Methods: T-Scan III and **BioEMG III** systems were used to evaluate the interrelationships between occlusal force and jaw-closing muscles activity of bilateral anterior temporalis (TA) and ...

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87 [视觉反馈诱导下升颌肌不同水平主动收缩的表面肌电研究](#)

周丽娟 · 李宝勇, 王美青 - 口腔医学研究, 2015 - manu45.magtech.com.cn

... 方法: 应用T-Scan III 咬合分析仪和**BioEMG III** 肌电图仪同步记录25 例健康正常成年人以轻度, 中等, ... Methods: T-Scan III and **BioEMG III** systems were used to evaluate the interrelationships ...

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88 [CITATION] Masseter and Temporalis Excursive Hyperactivity Decreased by Measured Anterior Guidance

[RB Kerstein, J Radke](#)

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89 [CITATION] 正中咬合运动中咬合接触特征与升颌肌肌电活动关系的同步记录与研究

王晓瑞 · 张渊 · 许毅飞 · 王美青 - 转化医学电子杂志, 2014

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90 [A multi-center disclusion time reduction \(DTR\) randomized controlled occlusal adjustment study using occlusal force and timing sensors synchronized with muscle ...](#)

P Thumati, RP Thumati, S Poovani, AP Sattur... - Sensors, 2021 - mdpi.com

... As such, the objective of this multi-center research was to perform an RCT Disclusion Time Reduction study employing HD Novus sensors and **BioEMG III** adhesive bipolar electrodes at ...

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91 [PDF] [Disclusion Time-Reduction Therapy in a Patient under Depression due to Occluso-muscular Chronic Pain: A Case Report.](#)

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... , and a muscle analysis using the **BioEMG III** electromyograph (Bioresearch Associates, Inc. ... This exam was followed by a T-Scan10/**BioEMG III** functional analysis of his occlusal force ...

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92 [Electromyographic activity of masseter and temporal muscle at daytime clenching in adult and adolescent sleep bruxers](#)

I Jang, KH Lee, DS Choi, BK Cha - The Journal of the Korean ..., 2017 - koreascience.kr

Objective: To compare the electromyographic activity of masseter and temporal muscles between bruxers and nonbruxers in adult and adolescent patients. Material and Methods: The ...

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93 [Trigeminal Neuralgia Improvements After Disclusion Time Reduction \(DTR\)](#)

P Thumati, RP Thumati, [RB Kerstein](#)... - Advanced Dental ..., 2022 - adtt.scholasticahq.com

... A pre-operative left excursion T-Scan 10/**BioEMG III** recording showing extreme left temporalis excursive hyperactivity to the right of line C, with spasms of varying amplitude (upper right ...

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94 [Electromyographic features and efficacy of orofacial myofunctional treatment for skeletal anterior open bite in adolescents: an exploratory study](#)

H Hong, Y Zeng, X Chen, C Peng, J Deng, X Zhang... - BMC Oral Health, 2021 - Springer

... EMG recordings of the oromaxillofacial muscles were made using a **BioEMG** electromyographic amplifier (**BioEMG**, Bioresearch, Inc., Milwaukee, WI, USA) and BioPAC software (...)

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M Pihut, G Wiśniewska, S Majewski - Czas Stomatol, 2007 - researchgate.net

... Badania wykonano z użyciem ośmiokanałowego elektromiografu **BioEMG II**, w którym zastosowano powierzchniowe elektrody bipolarne (Ag/AgCl). ...

96 [PDF] [Bruxism Improvements After Disclusion Time Reduction \(DTR\)-A Pilot Study](#)

P Thumati, R Thumati, [R Kerstein](#)... - ... Dental Technologies & ..., 2021 - adtt.scholasticahq.com

... A pre-operative right excursion T-Scan 10/**BioEMG III** recording showing to the right of the C Line there is a working group function controlling the early right excursion (Force vs. Time ...

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[РВ Симоненко](#), [ЛО Етніс](#), [ТМ Костюк](#) - 2020 - ir.librarynmu.com

... За допомогою електроміографічного дослідження (електроміограф **BioEMG III** виробництва компанії BioRESEARCH Associates, Inc. (США)) провели оцінку ефективності ...

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98 [Uptight responses between clenching and forearm raising with factors of visual feedback and maintenance effort in healthy young women: An experimental study on ...](#)

L Zhou, B Li, X Zheng, S Guo, Y Zhang, C Chen... - BMC oral health, 2023 - Springer

... recorded using a **BioEMG III** electromyography recording system (Bioresearch Associates, Inc., Milwaukee, WI, USA) with a T-Scan system and T-Scan/**BioEMG** linking software (...)

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99 [Biofeedback eletromiográfico e parâmetros da dinamometria isocinética de joelho e tornozelo de jogadores de futebol amador](#)

CE Baron, [LLB Secchi](#), VO de Lima, VR Carvalho - Acta Fisiátrica, 2010 - revistas.usp.br

... O objetivo deste trabalho foi avaliar o efeito do **BioEMG** nos parâmetros isocinéticos dos flexores e extensores do joelho e inversores e eversores do tornozelo em jogadores de futebol ...

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100 [Evaluation of texture changes due to compositional differences using oral processing](#)

E Cakir, H Koc, [CJ Vinyard](#), G Essick... - Journal of texture ..., 2012 - Wiley Online Library

... MM, AT and AD muscles using the **BioEMG II** electromyograph (BioResearch, Inc., Milwaukee, WI). ... The lead wires were connected to the **BioEMG II** amplifier, which passed amplified ...

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101 [顏面不對稱骨性三級異常咬合患者的咀嚼肌肌電活性與咬合力之相關性](#)

徐子航 - 國立臺灣大學臨床牙醫學研究所學位論文, 2020 - airtilibrary.com

... 另以表面肌電儀器**BioEMG III**同步測量咀嚼肌肌電活性大小及其對稱性,並計算asymmetry index,torque coefficient及咬合力轉換效率等指標.此外,亦紀錄患者的主觀慣用咀嚼側.統計分析先以...

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102 [\[HTML\] Acute effect of the compression technique on the electromyographic activity of the masticatory muscles and mouth opening in subjects with active myofascial ...](#)

[M Ginszt](#), [G Zieliński](#), [M Berger](#), [J Szkutnik](#)... - Applied Sciences, 2020 - mdpi.com

... For determination of impact on masticatory muscle activity, surface electromyography was applied, by using a **BioEMG III** device in resting mandibular position and during maximum ...

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103 [Calibration of T-Scan® sensors for recording bite forces in denture patients](#)

GS Throckmorton, J Rasmussen... - Journal of oral ..., 2009 - Wiley Online Library

... corporations have developed a commercially available system that simultaneously records jaw muscle activity levels (**BioEMG II** USB) and relative occlusal forces around the entire ...

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104 [Effects of anterior bite planes fabricated from acrylic resin and thermoplastic material on masticatory muscle responses and maximum bite force in children with a deep ...](#)

P Wasinwasukul, [N Nalamliang](#)... - Journal of Oral ..., 2022 - Wiley Online Library

... According to EMG data reporting guidelines, 32 the differential amplifier of the **BioEMG III** was calibrated at 5000×. Bandwidth filtering was set from 30 Hz to 1000 Hz. The common-...

105 [\[PDF\] Analysis of the dynamics of functional occlusion indicators in the construction of occlusion surfaces of orthopedic structures](#)

SP Yarova, [SO Turchenko](#), [IM Tkachenko](#), YY Yarov - 2020 - repository.pdmu.edu.ua

... of the masticatory muscles **BioEMG III** (Certificate of registration... The methodology of research on the **BioEMG III** device is ... in combination with the **BioEMG III** myograph makes it possible ...

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106 [Airway Changes Detected by Cone Beam Computed Tomography \(CBCT\) in Muscular Temporomandibular Joint Dysfunction Subjects Treated With Disclusion Time ...](#)

AP Sattur - Handbook of Research on T-Scan Technology ..., 2025 - igi-global.com

... DTR therapy is carried out using the T- Scan 10/**BioEMG III** interface to measure the obtained reductions in muscular hyperactivity. However, the applications of DTR appear to extend ...

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107 [Computerized Assessment of occlusion and muscle activity during use of a Multilayer Clear Retainer: a preliminary study](#)

KY Kim, JY Choi, SH Oh, HW Moon, SH Kim, [HW Ahn...](#) - Sensors, 2021 - mdpi.com

... Evaluation was done with the T-scan and **BioEMG** systems. A total of 18 subjects were included, who were evaluated at three time intervals—T0 at debonding, T1 at one month after ...

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108 [Вплив квінаприлу на активність системи вільнорадикального перекисного окислення ліпідів у щурів зі спонтанною артеріальною гіпертензією](#)

ОО Нагорна, ВА Стежка - Галицький лікарський вісник, 2014 - irbis-nbuv.gov.ua

... ною щелепно-лицевою патологією за допомогою восьмиканального електроміографа **BioEMG III** (США) при характеристиці синхронності або асинхронності роботи м....

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109 [The influence of the sensitivity of the trapezius muscle on the changes within the bioelectric tensions of the masticatory muscles](#)

[G Zieliński](#), M Baszczowski, [M Ginszt...](#) - Polish Journal of ..., 2019 - czasopisma.umlub.pl

... The study involved an 8-channel **BioEMG** IIITM surface electromyography apparatus with BioPak Measurement System (BioResearch Associates, Inc. Milwaukee, WI, USA). Statistical ...

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110 [\[PDF\] Changes in Masticatory Function after Replacing a Single Missing Lower 1st Molar with an Implant-Supported Crown](#)

P Thumati, RP Thumati... - ... Dental Technologies & ..., 2023 - adtt.scholasticahq.com

... , selected from a continuous series of patients seeking prosthodontic treatments, who met all the criteria were selected and recorded with a magnet-based JT-3D jaw tracker, **BioEMG III** ...

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111 [\[HTML\] A Prospective Cohort Study of Diagnosed Meniere's Disease/Tinnitus Cases, Evaluated with Digital Occlusion Analyzer and Treated with Disclusion Time ...](#)

P Thumati, RP Thumati... - RGUHS Journal of Dental ..., 2024 - [rjds.journalgrid.com](#)

Objective: Meniere's Disease (MD) and tinnitus are challenging to diagnose and treat. This study aimed to evaluate the effect of Disclusion Reduction Therapy (DTR) on Meniere's ...

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112 [\[HTML\] Trigeminal Neuralgia Patients Treated with Disclusion Time Reduction \(DTR\): A Retrospective Cohort Study.](#)

B Sutter, S Teragawa, [J Radke](#) - ... Dental Technologies & ..., 2020 - [adtt.scholasticahq.com](#)

... The T-Scan Novus handle and **BioEMG III** are used to capture data that cannot be recorded by any other means. These synchronized technologies allow the user to record occlusal data ...

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113 [Activity of the masticatory muscles and occlusal contacts in young adults with and without orthodontic treatment.](#)

A Wieczorek, JE Loster - BMC Oral Health, 2015 - Springer

... The T-Scan III/**BioEMG III** Integration Software showed the maximum voltage of muscles at ... , WI, USA) for their training on the **BioEMG** and T-scan III systems and their help with the BIO-...

114 [\[PDF\] Comparison of resting masticatory muscle activity among women of different ages](#)

[G Zieliński](#), [A Byś](#), Z Filipiak, M Baszczowski... - Journal of Education ..., 2018 - [apcz.umk.pl](#)

... The study involved an 8-channel **BioEMG** IIITM surface electromyography apparatus with BioPak Measurement System measurement software (BioResearch Associates, Inc. Milwaukee...

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115 [Morphological and functional parameters in patients with tooth wear before and after treatment](#)

T Sierpinska, J Kuc... - The Open Dentistry ..., 2013 - [pmc.ncbi.nlm.nih.gov](#)

... **BioEMG** was synchronized with the T-Scan II, during maximal clench and mouth opening.
The T-Scan II/**BioEMG** ... functional T-Scan/**BioEMG** measurements were recorded three times, ...

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116 [Deep learning and predictive modelling for generating normalised muscle function parameters from signal images of mandibular electromyography](#)

[TH Farook](#), [TM Haq](#), [L Ramees](#), [J Dudley](#) - Medical & Biological ..., 2024 - Springer

Challenges arise in accessing archived signal outputs due to proprietary software limitations.
There is a notable lack of exploration in open-source mandibular EMG signal conversion ...

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117 [\[PDF\] Electromyographic Activity of Masticatory Muscles in Asymptomatic Young Adults](#)

[A Wieczorek](#), [M Pihut](#), [JE Loster](#) - Journal of Dentistry Indonesia, 2022 - researchgate.net

... Using the **BioEMG** system, we were able to determine the voltage of the temporalis anterior, masseter, sternocleidomastoid, and anterior digastricus muscles. The muscles mainly ...

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118 [\[PDF\] EMG and jaw tracking evaluation of masticatory function after full mouth reconstruction](#)

[P Thumati](#), [J Radke](#), [RP Thumati](#)... - Advanced Dental ..., 2021 - adtt.scholasticahq.com

... (JT-3D connected with **BioEMG III**, Bioresearch Associates, Inc. Milwaukee, WI USA). See Figure 8. ... The JT-3D incisor-point tracker and **BioEMG III** amplifier applied to a potential ...

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119 [Cervical Myofascial Pain is Associated with an imbalance of Masticatory muscle activity](#)

[M Ginszt](#), [J Szkutnik](#), [G Zieliński](#), [M Bakalczuk](#)... - International Journal of ..., 2022 - mdpi.com

This study aimed to assess the relationship between the occurrence of cervical myofascial pain with active myofascial trigger points (MTrPs) within the upper trapezius muscle and the ...

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120 [Инновационные методы диагностики дисфункции височно-нижнечелюстного сустава и нарушения окклюзии в нейромышечной стоматологии](#)

ТБ Тимачева - Волгоградский научно-медицинский журнал, 2010 - cyberleninka.ru

Современный уровень развития компьютерных и коммуникативных технологий позволяет создать лабораторию комплексной диагностики в пределах одной клиники или ...

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121 [PDF] [Evaluation of the masticatory muscles temperature by thermal imaging during mastication](#)

L Barbosa, M Clemente, [A Silva](#), J Gabriel... - Thermology ..., 2012 - academia.edu

... The electromyographic equipment used was the **BioEMG II** of BioResearch® with BioPak software for Windows. The surface electrodes used were the BioFlex® from BioResearch (Ref: ...

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122 [PDF] [scholasticahq.com](#) **A Disclusion Time Reduction Randomized Controlled Occlusal Adjustment Trial**

Prafulla Thumati,^a Shwetha Poovani,^b Bhavya Bharathi,^c Mounika A,^d Robert B Kerstein,^e John Radke ^f

123 [PDF] [Improvements in Appearance and Masticatory Function After Full Mouth Restorations with Implant-supported Prostheses](#)

RP Thumati, P Thumati, [RB Kerstein](#)... - Advanced Dental ..., 2024 - adtt.scholasticahq.com

... One subject's as installed but unadjusted right excursive T-Scan/**BioEMG III** data, showing

... The same subject's post-T-Scan adjusted right excursive T-Scan/**BioEMG III** data with ...

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124 [PDF] [Open Access ISSN 2640-1932](#)

B Sutter, C Rettie - adtt.scholasticahq.com

Objective: The Aim of this study was to perform a computer guided occlusal adjustment study using a Randomized Clinical Trial (RCT) design and to either corroborate or contradict the ...

125 [Biometrically-Driven Orthodontic Treatment Using the Biocreative Orthodontic Strategy \(BOS\)](#)

SH Kim - Handbook of Research on T-Scan Technology ..., 2025 - igi-global.com

... At Maximum Intercuspation, the post treatment T- Scan 10/**BioEMG III** data revealed more even occlusal contact points compared to pretreatment, with increased masticatory muscle ...

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[\[PDF\]](#) [lww.com](#)

126 [T-scan system in the management of temporomandibular joint disorders–A review](#)

G Komali, AV Ignatius, GS Srivani... - Journal of Indian ..., 2019 - journals.lww.com

... It was in 2004 that T-scan III/**BioEMG** synchronization was ... The **BioEMG** electromyography system records electrical (... muscle was also recorded with **BioEMG III** (n = 180 muscles). They ...

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[\[PDF\]](#) [researchgate.net](#)

127 [PDF] [Disclusion Time-Reduction therapy in treating Occluso-muscular pains of temporomandibular disorder symptoms](#)

P Thumati - researchgate.net

... The patient underwent a Temporomandibular Joint examination using Joint Vibration Analysis(JVA, Bioresearch Assoc., Milwaukee, WI, USA)andT-Scan III/**BioEMG** recordings to ...

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[\[PDF\]](#) [med-alphabet.com](#)

128 [Комбинированное лечение пациентов с окклюзионными нарушениями, генерализованным пародонтитом и гипертонусом жевательных мышц](#)

ОИ Ефимович, ЛА Мамедова - Медицинский алфавит, 2018 - med-alphabet.com

... с помощью программы T-Scan (Tescan, США); исследование биоэлектрической активности жевательных мышц с помощью прибора **BioEMG II** системы Bio Pak ...

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129 [PDF] [Meniere's Disease Patients Treated with Disclusion Time Reduction: TMJ Function Revealed from Joint Vibration Analysis-Part 3](#)

BA Sutter, P Thumati, RP Thumati... - ... Dental Technologies & ..., 2024 - adtt.scholasticahq.com

... The purpose of this study was to treat patients diagnosed with MD utilizing the T-Scan Novus and **BioEMG III** to guide measured occlusal corrections in bite force and timing. The null ...

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[\[PDF\]](#) [sechenov.ru](#)

130 [PDF] [Клинико-функциональное обоснование комплексного лечения пациентов с генерализованным пародонтитом, осложнённым окклюзионной травмой ...](#)

ОИ Ефимович - Москва, 2019 - sechenov.ru

... Применение компьютерного мониторинга с помощью T-Scan и **BioEMG III** с избирательным шлифованием преждевременных окклюзионных контактов позволяет ...

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131 [Vicious Cycle Theory vs Pain Adaptation Model: A Structured Critical Analysis with 2 Case Presentations](#)

BA Sutter, [J Radke](#) - Advanced Dental Technologies & ..., 2022 - adtt.scholasticahq.com

... DTR must be accomplished under specific protocols that can only be accomplished by utilizing a digital occlusion analyzer (T-Scan 10/**BioEMG III**) that can accurately record relative ...

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132 [Mastication, EMG activity and occlusal contact area in subjects with different facial types](#)

SGF Gomes, [W Custodio](#), JSM Jufer, [AADB Cury...](#) - CRANIO®, 2010 - Taylor & Francis

... maximal clenching, using a **BioEMG** electromyographic amplifier (Bioresearch Inc., Milwaukee, MN) and the BioPAK program (Microsoft Corp., Redmond, WA). **BioEMG** is an 8-channel ...

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[\[PDF\]](#) [eco-vector.com](#)

133 [THE USE OF LASER RADIATION IN COMPLEX TREATMENT OF PATIENTS WITH OCCLUSAL VIOLATIONS AND GENERALIZED PERIODONTITIS](#)

OI Efimovich, LA Mamedova - Russian Journal of Dentistry, 2018 - journals.eco-vector.com

... программы T-Scan (Тессан, США) с использованием стандартной методики; исследование биоэлектрической активности жевательных мышц с помощью прибора **BioEMG II** ...

134 [\[PDF\] Tam protez kullanan hastalarda doğal postür değişikliği-çığneme kas aktivitesi ilişkisi](#)

S Şen, B Kalıpçılar - European Annals of Dental Sciences, 2009 - dergipark.org.tr

... EMG activity of temporal and masseter muscles were evaluated with **BioEMG** system in resting position and while gum chewing with the right or left side. Records were taken with the ...

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[\[PDF\]](#) [scholasticahq.com](#)

135 [\[PDF\] Mastication Analysis of patients with mandibular Kennedy's Class I situation with or without modifications, before & after treatment partial denture insertion—an in ...](#)

B Sutter, G Ruiz-Velasco, C Rettie - adtt.scholasticahq.com

Objective: To evaluate the effect of a treatment partial denture on the masticatory ability of a group of patients that were partially edentulous of molars and premolars. The null hypothesis ...

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136 [A Study on the Electromyographic Activity of Masticatory Muscles, Muscle Tenderness and Occlusal Contacts in Patients with Temporomandibular Disorders](#)

GM Lee, KS Han, MS Seo - Journal of Oral Medicine and Pain, 1996 - koreascience.kr

The purpose of this study was to investigate the peak electromyographic activity (EMG) and time intervals in firing sequence of Anterior temporalis (TA) and Masseter (MM) on clenching, ...

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137 [Влияние шинотерапии на биоэлектрическую активность жевательной мускулатуры пациентов с дисфункцией височно-нижнечелюстного сустава](#)

ДВ Крошка, АА Долгалева, ЕА Брагин - Современные проблемы науки ..., 2016 - elibrary.ru

... We defined indicators of the bioelectrical activity, characterized for the subjects with and without signs of TMJ dysfunction using electronic myography (**BioEMG**, Bioresearch). It was ...

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138 [\[HTML\] Disclusion Time-Reduction Therapy in a patient under Depression due to Occluso-muscular chronic pain: A Case Report](#)

P Thumati, [R Kerstein](#), [NM Pai](#)... - Advanced Dental ..., 2020 - adtt.scholasticahq.com

... The pre-treatment Multi-bite T-Scan 10/**BioEMG III** data showing the MIP contacts and EMG levels of the 1st clench (of the 3 in the figure). The patient is unable to hold his MIP ...

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139 [\[HTML\] Occlusal force, electromyographic activity of masticatory muscles and mandibular flexure of subjects with different facial types](#)

[W Custodio](#), SGF Gomes, [F Faot](#)... - Journal of Applied Oral ..., 2011 - SciELO Brasil

OBJECTIVE: The aim of this study was to evaluate whether vertical facial patterns influence maximal occlusal force (MOF), masticatory muscle electromyographic (EMG) activity, and ...

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140 [Predicting masticatory muscle activity and deviations in mouth opening from non-invasive temporomandibular joint complex functional analyses](#)

[TH Farook](#), TM Haq, [L Ramees](#)... - Journal of Oral ..., 2024 - Wiley Online Library

... Subsequently, participants were recorded using a six-channel surface electromyography device (**BioEMG III**; BioResearch Inc), with electrodes placed on the temporalis, masseter and ...

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141 [PDF] [Meniere's Disease Patients Treated with Disclusion Time Reduction \(DTR\): Masticatory Function Revealed from EMG and EGN \(Part 2 of 4\)](#)

BA Sutter, P Thumati, RP Thumati... - ... Dental Technologies & ..., 2023 - adtt.scholasticahq.com

... synchronized T-Scan 10/**BioEMG III** technologies (Tekscan Inc.... **BioEMG III** measuring the temporalis (red leads) and masseter muscles (blue-green leads) in real time. B) The **BioEMG III** ...

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142 [The occlusal, neurological, and orthopedic origins and implications of the hypersensitive dentition](#)

N Yiannios - Handbook of Research on Clinical Applications of ..., 2020 - igi-global.com

... **BioEMG III**: A proprietary descriptive term designating the BioResearch EMG hardware, ...
The **BioEMG III** technology can be simultaneously linked to the T-Scan digital occlusal analysis ...

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143 [PDF] [Bioelectric activity of mastication muscles and the functional impairment risk groups concerning the masticatory muscles](#)

G Zieliński, M Suwata, M Ginszt... - Acta of ..., 2018 - bibliotekanauki.pl

Temporomandibular disorders affect from 5 to 12 percent of the population, occurring almost twice as often in women than in men. The painful form of temporomandibular disorders is ...

[\[PDF\]](#) [nature.com](#)

144 [Effects of visual input on changes in the bioelectrical activity of the cervical and masticatory muscles in myopic subjects](#)

G Zieliński, A Matysik-Woźniak, M Baszczowski... - Scientific Reports, 2022 - nature.com

... The sEMG examination was carried out using a **BioEMG III** 8-channel electromyograph, compatible with the BioPAK measurement system (BioResearch Associates, Inc., Milwaukee, WI, ...

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145 [PDF] [Функциональный анализ результатов использования эластической подкладки «Ufi Gel P» компании «VOCO»\(Германия\) как средства для сокращения ...](#)

РВ Симоненко, ЛА Этнис - 2020 - ir.librarynmu.com

... efficiency of clinical relining of partial removable dentures using an elastic lining with Ufi Gel P from VOCO (Germany) was evaluated by electromyographic examination with **BioEMG III** ...

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146 [HTML] [Comparison of Arthrogenous Subjects' & Controls' Responses to the Learreta Decompression Test and 8 popular EMG Indexes](#)

N Nahar, AP Sattur, [J Radke](#)... - ... Dental Technologies & ..., 2024 - [adtt.scholasticahq.com](#)

... The superficial masseter and anterior temporalis muscles were recorded bilaterally from both groups using a surface electromyograph, **BioEMG III** and the BioPAK computer program (...)

147 [PDF] [Clinical applications of the t-scan quantitative digital occlusal analysis technology asystematic review](#)

[R Chowdhary](#), NK Sonnahalli - International Journal of ..., 2023 - [researchgate.net](#)

... Since this synchronization was developed, the T-Scan/**BioEMG** has been used in many computer-guided occlusal adjustment treatment studies. However, some authors have ...

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148 [Surface electromyography in dentistry—past, present and future](#)

[G Zieliński](#), P Gawda - Journal of Clinical Medicine, 2024 - [mdpi.com](#)

... like the **BioEMG III**. In this context, the **BioEMG III** electromyograph incorporates Software ... **BioEMG III™** has the disadvantage that it must be connected to the laptop at all times during ...

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149 [PDF] [Delayed Peak sEMG of Elevator Muscles in Dysfunctional Mastication](#)

B Sutter, C Rettie - [adtt.scholasticahq.com](#)

... the chairman of the board and Parvathi Kadamati is a biomedical engineer for BioResearch Associates, Inc., the manufacturer of the JT-3D and **BioEMG III**. They receive no monetary ...

[\[PDF\]](#) [cyberleninka.ru](#)

150 [Електроміографічне дослідження роботи жувальних м'язів при дисфункційних розладах скронево-нижньощелепного суглоба](#)

[ТМ Костюк](#) - Актуальні проблеми сучасної медицини: Вісник ..., 2018 - [cyberleninka.ru](#)

... 'ютерного восьмиканального комплексу для ЕМГ **BioEMG III** (BioRESEARCH Associates, ... Нова модифікація **BioEMG III**, за характеристиками виробника, перевищує модифікації ...

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151 [PDF] [Clench Muscle Activity Levels](#)

[RB Kerstein, J Radke](#) - 2005 - researchgate.net

... **BioEMG II** Electromyography Recording System (BioResearch Associates, Inc., Milwaukee, ...
... vated such that both the T-Scan II and the **BioEMG II** began data acquisition simultaneously. ...

152 [Комбинированное лечение окклюзионных нарушений и пародонтита с помощью биорепарации](#)

ОИ Ефимович, ЛА Мамедова - Институт стоматологии, 2018 - elibrary.ru

... активности жевательных мышц с помощью прибора “**BioEMG II**” системы Bio Pak (Bio ...
T-Scan III и электромиографа **BioEMG II**. Для избирательного шлифования, в ...

153 [PDF] [Diagnostic tests for temporomandibular disorders](#)

P Thumati - Journal of Advanced Clinical & Research Insights, 2016 - academia.edu

Etiology and treatment of temporomandibular disorders (TMDs) have two schools of thought; one depends on the Axis I (physical/functional) and the other is on Axis II (biopsychosocial) ...

[PDF] [librarynmu.com](#)

154 [EMG Activity of Chewing Muscles in Dysfunctional Disorders of Temporomandibular Joints](#)

TM Kostiuk, AA Kaniura, IA Shinchukovskiy, AV Tsyzh... - Neurophysiology, 2020 - Springer

... EMG examination of the chewing muscles was carried out using an 8-channel computerized electroneuromyographic complex, **BioEMG-III** (BioRESEARCH Assoc., USA). This complex, ...

155 [Ultra-low-frequency transcutaneous electric nerve stimulation \(ULF-TENS\) in subjects with craniofacial pain: A retrospective study](#)

S Mummolo, [A Nota](#), [S Tecco](#), S Caruso, E Marchetti... - CRANIO®, 2020 - Taylor & Francis

... The **BioEMG II** amplifier device with disposable bipolar surface electrodes and the related EMG software (BioResearch Associates Inc., Milwaukee, WI, USA) with an impedance > 100 ...

[PDF] [nih.gov](#)

156 [Biometric Assessment of Temporomandibular Disorders in Orthodontics: A Multi-arm Randomized Controlled Trial](#)

RK Maurya, [H Singh](#), B Talwar... - Turkish Journal of ..., 2022 - pmc.ncbi.nlm.nih.gov

... In this study, we used **BioEMG** to assess the pretreatment and posttreatment activity of the temporalis and masseter muscles using 4-channel electrodes. In accordance with the findings ...

157 [PDF] [Changes in Objective Masticatory Measurements after Prosthodontic Treatments](#)

P Thumati, R Thumati, [J Radke](#) - ... Dental Technologies & ..., 2020 - adtt.scholasticahq.com

... Mastication was recorded with a magnet-based JT-3D incisor-point tracker, a **BioEMG III** ... (B), JT-3D magnetic incisor-point tracker (C) and **BioEMG III** electromyograph (D). ...

158 [PDF] [ANALYSIS OF CHANGES OF BIOELECTRIC ACTIVITY OF MUSCLES IN PATIENTS USING REMOVABLE IMPLANT-RETAINED DENTURES FOR 12 MONTHS](#)

ЛВ Дубова, ЕМ Ожигов, ИВ Золотницкий - 1000 kopii. - eesa-journal.com

... Сжатие на ватных валиках В нашей исследовательской работе мы использовали электромиограф и программное обеспечение **BioEMG II** из комплекта BioPAK фирмы Biore...

159 [Анализ взаимосвязи окклюзионных взаимоотношений и биоэлектрической активности мышц челюстно-лицевой области](#)

ЕС Огир, ТЕ Кузнецова, КС Пронина - Dental forum, 2013 - elibrary.ru

... Одновременно выполняли электромиографию мышц ЧЛО аппаратом «**BioEMG**»(BioReserch). Проводили анализ правой и левой височных (ПВ и ЛВ), а также правой и левой ...

[PDF] [academia.edu](#)

160 [The role of soft tissue mobilization in reducing orofacial and general complaints in a patient with Kimmerle anomaly and temporomandibular joint disorder: A case ...](#)

J Kuć, KD Szarejko, [K Aleksandrowicz](#), M Gołębiewska - Cranio®, 2021 - Taylor & Francis

... In the presented case, evaluation of functional parameters was based on a coupling of **BioEMG** (BioRESEARCH, Inc., Milwaukee, WI, USA) and T-scan III (Tekscan, Inc., Boston, MA, ...

161 [PDF] [Characteristics of Masticatory Muscle Activity in Generalized Aggressive Periodontitis.](#)

S REN, B LI, Y PAN - Journal of Oral Science Research, 2016 - manu45.magtech.com.cn

... 本研究采用 **BioEMG II**型表面肌电测量仪评估 GAgP患者的咀嚼肌肌电 活动,并以正常人为对照 ,探讨 GAgP患者咀嚼肌的 肌电表现及对咀嚼肌功能影响,以期为 AgP患者的 诊断和治疗提供帮助...

[PDF] [scholasticahq.com](#)

162 [PDF] [Are Temporomandibular Disorders Really Somatic Symptom Disorders? Part III–Masticatory Function as Revealed by EMG and EGN](#)

M Matos, P Thumati, B Sutter... - Advanced Dental ..., 2021 - adtt.scholasticahq.com

Objectives: The objectives of this research were; 1) to compare the changes in PHQ-15 scores to the changes in the EMG and EGN chewing data 2) to compare the progression of pain ...

163 [Characteristics of the Functional State of the Maxillo dental System According to the Analysis of Bioelectrical Activity of Muscles in Patients with Associated Occlusal ...](#)

OY Golubchenko, OG Tereshchuk, IA Shynchukovskyi - World Science - neliti.com

... Дослідження біоелектричної активності жувальних м'язів проводили за допомогою електроміографа **BioEMG III** виробництва компанії BioRESEARCH Associates, Inc. (США). ...

164 [Evaluation of Occlusal Force Distribution and Influence of Muscles of Mastication in Young Adults with Different Arch Forms-An in Vivo Study](#)

SM Prakashchandra - 2016 - search.proquest.com

... T-Scan III system as a diagnostic tool to record bite force and **BioEMG** to record activity of ... underwent a sEMG recording with an 8-channel electromyograph (**BioEMG III**). A T-Scan III ...

[\[PDF\] researchgate.net](#)

165 [\[PDF\] The immediate effect of masseter trigger points compression on masticatory muscle activity](#)

[M Ginszt](#), [M Berger](#), P Gawda, A Bożyk, J Gawda... - Forum ..., 2017 - researchgate.net

... Do badania wykorzystano 8-kanalowy elektromiograf **BioEMG III** zintegrowany z systemem pomiarowym BioPAK. Aktywność mięśni narządu żucia (TA, MM, DA) rejestrowano w trzech ...

[\[PDF\] umlub.pl](#)

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The correlation between the body posture and dental occlusion is well known. The aim of this paper is to highlight the effect of the immediate application of a hydrostatic splint on the ...

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... When compared to the other non-occlusal treatment methods and to unmeasured occlusal adjustments, T-Scan®/**BioEMG**-guided ICAGD/DTR therapy provides patients considerable ...

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... With the pretreatment T-Scan/**BioEMG** data showing prolonged disclusion times and very ... using the T-Scan 9/ **BioEMG III** synchronized occlusal measurement technologies so that these ...

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... like the **BioEMG III**. In this context, the **BioEMG III** electromyograph incorporates Software ... **BioEMG III™** has the disadvantage that it must be connected to the laptop at all times during ...

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... A pre- ICAGD multi- bite T- Scan 10/**BioEMG III** data illustrating in the 1st closure into MIP (T- Scan; left pane), there is a marked left to right occlusal force imbalance (Left 60.3%. Right ...

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... The study used the 8-channel **BioEMG IIITM** surface electromyography apparatus with the BioPak Measurement System (BioResearch Associates Inc., Milwaukee, WI, USA). The data ...

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... TMD musculoskeletal problems and Posturo-Occlusal disorders, and how Disclusion Time Reduction therapy (DTR) with occlusal rebalancing, performed with the T-Scan 10/**BioEMG** ...

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ЕМ Ожигров - dissov.msmsu-portal.ru

... 52 В нашей исследовательской работе мы использовали электромиограф и программное обеспечение **BioEMG II** из комплекта BioPAK фирмы Bioresearch. Запись ...

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ЮМ Мартиць, [ІР Плавуцька](#) - Клінічна стоматологія, 2016 - irbis-nbuv.gov.ua

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ГМ Мухамедкаримова, РС Ибрагимова... - Вестник Казахского ..., 2019 - cyberleninka.ru

... Bio-PAK компьютерлік ЖҮЙесі 5 ;урылымнан турады: миограф **BioEMG III**, шы;шыт буынының ауытқу анализаторы BioJVA, теменгі жа; ;озгалысын талдайтын ;урылым JT-3D, ...

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... The patient's occlusion and muscle physiology were evaluated with the T- Scan 10/ **BioEMG III** synchronized technologies. Figure 17 shows a balanced right side- to- left side force ...

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... , WI, USA) za przeprowadzenie szkolenia na urządzeniach **BioEMG** and T-scan III i firmie Tekscan Inc. (... Sierpiska T: The management of advanced tooth wear using the T-scan/**bioemg** ...

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... T- Scan 10/**BioEMG III** synchronization module with a reoriented desktop where the T- Scan ForceView windows and the force vs. time graph, encase the **BioEMG III** waveform and bar ...

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... The muscular activity of the masticatory muscles was recorded using a **BioEMG** electromyographic DPSOLfiHU %LR(0* %LRUHVHDFK ,QF OLOZDXNHH :, USA), and the BioPAC ...

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mastication is basically regulated by central pattern regulator (CPG) of brain system, target organ output from CPG is modulated by oral sensory feedback, anterior cross bite pattern ...

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... The T- Scan 10/**BioEMG III** desktop of a left working excursion being shared on Zoom. The two programs work together seamlessly and play together as a dynamic occlusomuscular ...

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... All muscle electrodes and a reference electrode were connected to an EMG amplifier (**BioEMG** IIITM; BioResearch Inc., Milwaukee, WI, USA) (Figure 2A). In order to place the electrodes ...

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... The patient was subjected to TMJ examination using Joint Vibration Analysis (JVA, Bioresearch Assoc., Milwaukee, WI, USA) and T-Scan III/ **BioEMG** recordings to determine his ...

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... They were later subjected to joint vibration analysis (JVA) (BioJVA TM , BioRESEARCH, Inc.) to assess the temporomandibular joint and EMG (**BioEMG**, BioRESEARCH, Inc.) to assess ...

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ЛВ Дубова, АС Мельник, АА Ступников... - СОВРЕМЕННАЯ ..., 2017 - elibrary.ru

... Всем пациентам проводили исследования с использованием электромиографа «**BioEMG**». Поверхностную электромиографию применяют для оценки сочетанной работы (...)

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... Lead wires were connected to the **BioEMG III** amplifier, which passed amplified EMG signals to a recording computer. Mandibular movements were recorded using a jaw tracking device ...

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... **BioEMG III** and BioPAK Measurement System (BioResearch, Inc., Milwaukee, WI, USA) ควบคุมระดับแรงกัด ด้วย electromyography (EMG) หรือเครื่องตรวจวัดคลื่นไฟฟ้ากล้ามเนื้อ เป็นการวัดการทำ...

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... Применение компьютерного мониторинга с помощью T-Scan и **BioEMG III** с избирательным пришлифованием преждевременных окклюзионных контактов позволяет ...

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... The recent Tekscan with the T-Scan™/**BioEMG** Integration software synchronises the clinical data of T-Scan with the EMG data from BioResearch's EMG unit, but again, this is an add-...

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... John Radke for performing the many statistical analyses contained within our many co-published T-Scan/**BioEMG** studies and for his helpful editorial assistance with this book's ...

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[ОО Циж](#) - 2019 - [ir.librarynmu.com](#)

... (глобальної) електроміографії (ЕМГ) власне жувальних, скроневих та колового м'язу рота, за допомогою комп'ютерного восьмиканального комплексу для ЕМГ **BioEMG III** (...)

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... Miograful electronic **BioEMG** este conceput special pentru înregistrarea datelor activității mușchilor cranio-faciali atât în timpul funcției lor, cât și în stare de repaus. Iar asocierea JVA cu ...

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... maximal clenching, using a **BioEMG** electromyographic amplifier (BioResearch Inc., Milwaukee) and the BioPAK program (Microsoft Corporation, Redmond). **BioEMG** is an 8 channel ...

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[ВП Неспрядько](#), ДІ Богатирьова - Actual Dentistry, 2023 - [dentalexpert.com.ua](#)

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... Новые диагностические возможности дают автоматизированные электромиографы К-7 EMG, **BioEMG II**, Synapsis, обладающие высокой чувствительностью и специфич...

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... segundo software, **BioEMG** (Unidad de investigación biológica). **BioEMG** sincroniza e integra ... **BioEMG** mide la actividad de los músculos superficiales que generan la fuerza, mientras ...

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... Проведена электромиография мышц ЧЛО («**BioEMG**») в состоянии относительного физиологического покоя нижней челюсти, а также оценка окклюзионных контактов («Т-...

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[J Radke](#) - Handbook of Research on T-Scan Technology ..., 2025 - igi-global.com

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[АО Мельник](#) - 2019 - ir.librarynmu.com

... найбільше за певної ортодонтичної патології, визначено методом сумарної (поверхневої) електроміографії за допомогою восьмиканального електроміографа «**BioEMG III**» ...

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[오민정 , 한경수](#) - Journal of Oral Medicine and Pain, 2005 - dbpia.co.kr

... Electromyographic activity and mandibular torque rotational movement were observed using **BioEMG** and BioEGN in BioPak® system. Each biting movement in each circumstance was ...

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ВВ Савельев - Автореф. дисс... канд. мед. наук, 2012 - static.freereferats.ru

... При изготовлении СНМП возможно фиксировать положение нижней челюсти только с помощью электромиофафа **BIOEMG**, кинезиофафа JT3D и аппарата чрескожной ...

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... Kontrola śródrehabilitacyjna i porehabilitacyjna przy użyciu T-Scan/**BioEMG** umożliwia lekarzowi ocenę, czy leczenie patologicznego starcia zębów przynosi pozytywne pod względem ...

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J Seufert - 2020 - ub01.uni-tuebingen.de

... Innerhalb der Datenerhebung für vorliegende Dissertation wurden zusätzlich noch Messungen mittels **BioEMG II** (Elektromyographie der Kaumuskulatur) derselben Firma vollzogen. ...

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... Electromyographic activity of anterior temporalis and masseter muscle were recorded with **BioEMG** and occlusal status were recorded with T-Scan . Wear facet area of each tooth ...

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... ìèīāᄁāō **BioEMG III** īīæāᄁ èçīāᄁŷᄁᄁ è çāīēñŭāāòŭ īīēàçàᄁāèè ŷēāēᄁᄁ÷ āñēíé àèᄁēāíīñᄁè ò 2 āī 8 īŭᄁᄁ (īāᄁīī) īāīīāᄁāīāīī. Īᄁēāīᄁ īīçāīēŷāᄁ èçīāᄁèᄁŭ áēīīᄁāíōèèē īŭᄁᄁ èāē ā īīēīā, ᄁāē è ...

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... Electromyographic research of masticatory muscles was performed using the **BioEMG III** computer complex (BioRESEARCH Associates, Inc., USA). ...

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石川佳和 - 日本顎口腔機能学会雑誌, 1996 - jstage.jst.go.jp

... このことは動的運動時の表面筋電図を計測する場合 **BioEMG**のサンプリングでは,本来の筋活動と異なった動態を測定している可能性を秘めている.すなわち Throckmortonら6)の測定結果は...

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