

142 BioEMG Articles Listed in Google Scholar from 2010 to 2025

[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

This chapter discusses chronic Occluso-Muscle Disorder, which is a myogenous subset of Temporomandibular Disorder (TMD) symptoms resultant from occlusally activated muscle ...

[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

Objective The aim of this study was to analyze the correlation between the refractive error, muscle thickness, and the bioelectrical activity of selected masticatory and neck muscles in ...

[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

... • Proper DTR/ICAGD Training - The clinician must undergo recording training to obtain high quality T- Scan/**BioEMG** diagnostic data, T- Scan/**BioEMG** data analysis training to gain the ...

[COMPARING THE EFFECTS OF CYCLE TIME PROTOCOLS OF AUSSIE CURRENT NEUROMUSCULAR ELECTROSTIMULATION ON MULTIFIDUS MUSCLE ...](#)

[G de Conto Kuhn](#), [A Bloemer](#)... - Journal of ..., 2025 - search.ebscohost.com

... The electrical activity of the muscles was quantified in both the time and frequency domains using a signal conditioning module (model **BIO EMG** 1000-8-4I, brand LYNX® Tecnologia ...

[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. ...

[Effect of Clenching Intensity on Areas of Occlusal Contact and Near Contact Recorded by a 3D Intraoral Scanner](#)

[N Ruktanakit](#), [U Thongudomporn](#)... - Journal of Oral ..., 2025 - Wiley Online Library

... 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...

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

[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 ...

[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 ...

[Musculoskeletal and Posturo-Occlusal Disorders Managed With Transcutaneous Electrical Nerve Stimulation \(TENS\) and T-Scan-Guided Occlusal Therapy](#)

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

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

[Modern Technology Enhances Diagnostic Accuracy and Outcome Assessments](#)

[J Radke](#) - Handbook of Research on T-Scan Technology ..., **2025** - igi-global.com
... The relative level of a muscle's activity cannot be determined by palpation or visual means, but it can be determined for some muscles by using surface electromyography (**BioEMG** III, ...

[T-Scan System Accuracy Studies](#)

B Koos, [RB Kerstein](#) - Handbook of Research on T-Scan Technology ..., **2025** - igi-global.com
... In this study, five treating practitioners using the T- Scan 10/**BioEMG** III synchronization module (Tekscan, Inc., Norwood, MA, USA/Bioresearch Assoc., Brown Deer, WI, USA), in five ...

[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 ...

[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
... Increased maximum bite force (MBF) can be obtained immediately after the first ICAGD/DTR treatment procedure, by using T-Scan/**BioEMG**-guided occlusal adjustments that improve ...

[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 ...

[\[HTML\] Anisometric 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 ...

[\[PDF\] Electromyography analysis of the masseter muscle's activity in the management of oral submucous fibrosis](#)

[P Poornachitra](#), [A Muthukrishnan](#), [S Venugopalan](#)... - Cureus, **2024** - cureus.com
... The EMG armamentarium used for the present study included a measuring scale; **Bio-EMG** ...
The muscles assessed using **Bio-EMG** were the masseter and temporalis before and after ...

[Evaluation of the effectiveness of selected physiotherapeutic techniques at trigger point in myalgia form of temporomandibular disorders-randomized controlled trial](#)

[G Zieliński](#), M Suwała, J Szkutnik, [M Ginszt](#), P Gawda - CRANIO®, **2024** - Taylor & Francis
Objectives The main aim of this study was to evaluate bioelectrical activity the immediate effect of the post-isometric relaxation technique (PIR) and compression technique in patients ...

[Uses of electromyography in **dentistry**: An overview with meta-analysis](#)

[SE Nishi](#), [R Basri](#), [MK Alam](#) - European journal of **dentistry**, 2016 - thieme-connect.com
... The **bio-EMG** is specifically designed to ... **dentistry** within our practice, including orthodontics, implants, occlusion or bite correction, and TMJ disorder or sleep disorders.[1] In **dentistry** for ...
[Save Cite Cited by 84 Related articles All 10 versions](#)
[\[PDF\]](#) mdpi.com

[Surface Electromyography in **Dentistry**—Past, Present and Future](#)

[G Zieliński](#), P Gawda - Journal of Clinical Medicine, 2024 - mdpi.com
... electromyographs like the **BioEMG** III. In this context, the **BioEMG** III electromyograph ...
BioEMG III™ has the disadvantage that it must be connected to the laptop at all times during ...
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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
... computerized digital occlusal analysis system and **BioEMG** III. Optimal occlusal parameters ...

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[APPLICATION OF ELECTROMYOGRAPHY METHOD FOR DIAGNOSIS AND TREATMENT OF STOMATOLOGY DISEASES](#)

Y Svitlana, T Sergii, Y Yurii, K Andrii - European journal of ..., 2021 - cyberleninka.ru
... timely replacement by orthopedic structures based on **dental** implants with the number of installed **dental** implantscorresponding to the number of lost **teeth** in one month after fixation on ...

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[Employing the T-Scan/BioEMG III Synchronized Technologies to Diagnose and Treat Chronic Occluso-Muscle Disorder RB Kerstein](#) - ... of Computerized Occlusal Analysis in **Dental** Medicine, 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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[Tooth Wear: Prevention, Treatment, and Monitoring Using the T-Scan/BioEMG Synchronization Module](#)

T Sierpińska - ... of Computerized Occlusal Analysis in **Dental** ..., 2020 - igi-global.com
... the consequences of **tooth** wear resultant from ... 8/BioEMG synchronization module. These two objective companion technologies assess the occlusion before, during, and after **dental** ...

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[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
... **teeth** frequently stopped the mandible from moving easily. Both temporalis muscles (top right **BioEMG** ... Both the Temporalis muscles (in the **BioEMG**) demonstrated increased resting ...

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[Effect of periodontal disease on electromyographic activity of muscles of mastication: A cross-sectional study](#)

AK Lamba, S Tandon, F Faraz, V Garg... - Journal of **Oral** ..., 2020 - Wiley Online Library
... slowly to maintained **tooth** loads and signals ... **dental** implants) that important sensory-motor functions are lost or impaired when these receptors are removed during the extraction of **teeth**...

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[Novel functional indices of masticatory muscle activity](#)

M Ginszt, G Zieliński - Journal of Clinical Medicine, 2021 - mdpi.com
The aim of the present study was to analyze novel functional indices of masticatory muscle activity and compare them to existing and commonly used indices in patients with ...

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[Electromyographic Analysis of Masticatory and Accessory Muscles in Subjects with Implant-Supported Fixed Prostheses: A Three-Arm Comparative Clinical ...](#)

V Raaj, S Raina, R Raina, M Kumari - Cureus, 2023 - ncbi.nlm.nih.gov
... Normal human contact relies heavily on the **oral** and facial structures because of the psycho-... for such **oral** motor activities are poorly known, and **oral** conditions and clinical **dental** ...

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[Associations of electromyographic activity of anterior temporalis muscles, sex, and occlusal classes in asymptomatic young Adults](#)

A Wieczorek, M Czarnek... - Journal of **Dentistry** ..., 2021 - scholarhub.ui.ac.id
... (sEMG) an 8-channel **BioEMG** III BioPAK Measurement System ... between **tooth** was used T-scan III evolution 7.01 device (Tekscan Inc., South Boston, MA, USA). The T-scan III / **BioEMG** ...

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

SGF Gomes, W Custodio, JSM Jufer, AADB Curry... - CRANIO®, 2010 - Taylor & Francis
... **Dental** School, as well as among patients who sought **dental** ... maximal clenching, using a **BioEMG** electromyographic amplifier (... **BioEMG** is an 8-channel Eunit with a 30 to 600 Hz band-...

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[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
... experienced **dentist** with a specialization in **dental** prosthetics. During this part, the **dentist**
... The sEMG examination was carried out using a **BioEMG** III 8-channel electromyograph, ...
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[Commentary-practicing state of the art occlusion in the Digital Era of Dentistry](#)

[RB Kerstein](#) - Int J **Oral** Craniofac Sci, 2022 - researchgate.net
... Figure 3b: The T-Scan/**BioEMG** III desktop shows both recorded data sets of a right working
... Figure 4: The T-Scan 10/**BioEMG** III data of the right working excursion with very prolonged ...
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[Electromyographic activities of the jaw and facial muscles in subjects with different vertical skeletal patterns and breathing modes](#)

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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[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
... (SCM) were carried out using the **BioEMG** III™. Both groups showed statistically significant
... **teeth** in **dental** arches; periodontal diseases; open bite; orthodontic treatment; possession of ...
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[Complex Medical Diagnoses With an Underlying Dental Etiology: Case Reviews](#)

BA Sutter - ... of Computerized Occlusal Analysis in **Dental** Medicine, 2020 - igi-global.com
The aim of this chapter is to present a series of chronic pain clinical cases that were
originally diagnosed by non-**dental** healthcare professionals, as being something other than ...
[Save](#) [Cite](#) [Cited by 7](#) [Related articles](#)

[Guidance Surface Enhancement to Treat a Chronic Occluso-muscular Disorder: A Case Study](#)

C Brattesani - Advanced **Dental** Technologies & Techniques, 2021 - adtt.scholasticahq.com
... Curing was completed first with all **teeth** in MIP, and then again after all **teeth** were ... be
used to disclude the posterior **teeth**. So, a new set of T-Scan/**BioEMG** III right and left excursive ...
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[Electromyography and its applications in prosthodontics](#)

A Oswal, K Kumar, G Shetty - International Journal of Scientific ..., 2020 - wwjournals.net
... diagnosis and treatment planning in **dentistry** also. It has been used in **dentistry** frequently for
diagnosis and ... It is always performed today with the T-Scan synchronized to the **BioEMG** III ...
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[The relationship between stress and masticatory muscle activity in female students](#)

[G Zieliński](#), [M Ginszt](#), [M Zawadka](#), [K Rutkowska](#)... - Journal of Clinical ..., 2021 - mdpi.com
... were measured by electromyograph **BioEMG** III. There were ... maximum voluntary clenching
on **dental** cotton rollers (both p = ... the third most common **dental** disease after **tooth** decay and ...
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[Electromyographic patterns of masticatory muscles in relation to active myofascial trigger points of the upper trapezius and temporomandibular disorders](#)

[G Zieliński](#), [A Byś](#), J Szkutnik, P Majcher, [M Ginszt](#) - Diagnostics, 2021 - mdpi.com
... muscle (MM) were carried out using the **BioEMG** III™. Based on statistical analysis, ... in
dental arches, lack of more than four **teeth** within both **dental** arches and possession of **dental** ...
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[Electromyographic activity of masticatory muscles in asymptomatic young adults](#)

A Wiczorek, 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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[The axial length of the eyeball and bioelectrical activity of masticatory and neck muscles: a preliminary report](#)

[G Zieliński](#), M Baszczowski, M Rapa... - Pain Research and ..., 2022 - Wiley Online Library
... in the intercuspal position, during maximal voluntary clenching on **dental** cotton rollers, and during maximal mouth opening using **BioEMG** III (BioResearch Associates, Inc. Milwaukee, ...
[Save](#) [Cite](#) [Cited by 8](#) [Related articles](#) [All 9 versions](#)

[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 2020
... Our objective is to provide relevant and current **dental** ... reviews of new technologies & techniques in **dentistry**. It is an online ... efficiency were then evaluated using **Bio EMG** III and a ...
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[Anisometric 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
... position and maximum voluntary clenching on **dental** cotton rolls in the intercuspal position
... electromyographs like the **BioEMG** III. In this context, the **BioEMG** III electromyograph ...
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[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
... (SCM) muscles were measured using the **BioEMG** III™ apparatus. The interaction between
... This study showed increased functional activity during **tooth** clenching in splint condition ...
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[Occlusal function and electromyographic activity of masticatory muscles in skeletal Class III patients with different patterns of mandibular asymmetry](#)

YJ Chen, CC Yao, ZC Chang, HH Lai... - Journal of **Oral** ..., 2023 - Wiley Online Library
... Furthermore, simultaneous recording using T-Scan III and **Bio-EMG** III provides data showing the connection between occlusal function and surface EMG activity of masticatory muscles. ...
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[Changes in Objective Masticatory Measurements after Prosthodontic Treatments](#)

P Thumati, R Thumati, [J Radke](#) - Advanced **Dental** ..., 2020 - adtt.scholasticahq.com
... Mastication was recorded with a magnet-based JT-3D incisor-point tracker, a **BioEMG** III electromyograph and analyzed with the BioPAK version 8.80 computer program (BioResearch ...
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[Comparative study of surface electromyography of masticatory muscles in patients with different types of bruxism](#)

KW Lan, LL Jiang, Y Yan - World Journal of Clinical Cases, 2022 - ncbi.nlm.nih.gov
... The resulting different **tooth** wear characteristics ... **tooth** wear in the corresponding **tooth** contact areas during intercuspal position and ECB reflects **tooth** wear in the corresponding **tooth** ...
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[EMG and jaw tracking evaluation of masticatory function after full mouth reconstruction](#)

P Thumati, [J Radke](#), RP Thumati... - Advanced **Dental** ..., 2021 - adtt.scholasticahq.com
... The JT-3D incisor-point tracker and **BioEMG** III amplifier applied to a potential ... The JT-3D incisor-point tracker and **BioEMG** III amplifier applied to a potential reconstruction patient. ...
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[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
... on the **BioEMG** III device is ... **BioEMG** III myograph makes it possible to determine the relationship between the electrical potential of the muscles and the occlusal relationships of the **teeth**...
[Save](#) [Cite](#) [Cited by 4](#) [Related articles](#) [All 7 versions](#)

[Gender Differences in Human Masticatory Function](#)

P Thumati, RP Thumati... - Advanced **Dental** ..., 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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[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
... muscles were made using a **BioEMG** electromyographic amplifier (**BioEMG**, Bioresearch, Inc...
Data were recorded with each subject seated in a **dental** chair; the head was supported with ...
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[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, A Byś... - Polish Journal of ..., 2019 - academia.edu
... The study involved an 8-channel **BioEMG** IIITM surface ... The examination took place in a sitting position on the **dental** chair with ... The study involved an 8-channel **BioEMG** IIITM surface ...
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[Surface Electromyographic Analysis of Masticatory and Neck Muscles in Skeletal Class II Division 1 Malocclusion with EMG Indices-A In Vivo Study](#)

NIRR Shree, AS Raju, VP Reddy... - ... Journal of **Dental** ..., 2023 - journalgrid.com
... The electromyographic recordings were performed using BioPAC (**BioEMG** III) machine by two operators as seen in Figure 2. The electrodes were placed parallel to the long axis of the ...
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[Masticatory muscles activity in sport climbers](#)

M Ginszt, G Zieliński, A Byś, P Gawda... - International Journal of ..., 2020 - mdpi.com
... four **teeth** within both **dental** arches; condition during orthodontic treatment; lack of four support zones in **dental** arches; possession of **dental** ... The study used the 8-channel **BioEMG** IIITM ...
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[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
... These versatile muscles adapt to varying masticatory forces throughout life, influenced by changing **dental** status. Irregular occlusion, **tooth** extraction and parafunctional habits like ...
[Save](#) [Cite](#) [Cited by 5](#) [Related articles](#) [All 6 versions](#)

[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 sixchannel surface electromyography device (**BioEMG** III; BioResearch Inc), with electrodes placed on the temporalis, masseter and ...
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[Depression and Resting Masticatory Muscle Activity](#)

G Zieliński, A Byś, M Ginszt, M Baszczowski... - Journal of Clinical ..., 2020 - mdpi.com
... support zones in **dental** arches, without inflammation in the **oral** cavity. ... by a **dentist** trained in working with the questionnaire. ... The study involved an eight-channel **BioEMG** IIITM surface ...
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[Acute effect of the compression technique on the electromyographic activity of the masticatory muscles and mouth opening in subjects with active myofascial trigger ...](#)

M Ginszt, G Zieliński, M Berger, J Szkutnik... - Applied Sciences, 2020 - mdpi.com
... experienced **dentist** with a specialization in **dental** prosthetics (... **dental** arches; lack of more than four **teeth** within both **dental** ... applied, by using a **BioEMG** III device in resting mandibular ...
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[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
... the T-scan and **BioEMG** systems. A total of 18 ... **teeth** and the occlusal surfaces of the posterior **teeth**. The inner layer does not extend to the second molars to ensure settling of those **teeth**...
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[Short-term changes in muscle activity and jaw movement patterns after orthognathic surgery in skeletal Class III patients with facial asymmetry](#)

KA Kim, HS Park, SY Lee, SJ Kim... - The Korean Journal ..., 2019 - synapse.koreamed.org
... Skeletal Class III adult patients who had visited the Kyung Hee University **Dental** Hospital ...
All muscle electrodes and a reference electrode were connected to an EMG amplifier (**BioEMG** ...
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[The influence of visual input on electromyographic patterns of masticatory and cervical spine muscles in subjects with myopia](#)

[G Zieliński](#), A Matysik-Woźniak, [M Rapa](#)... - Journal of Clinical ..., 2021 - mdpi.com
... It was conducted by an experienced **dentist** with a specialization in **dental** prosthetics (...
The sEMG examination was performed using a **BioEMG** III 8-channel electromyograph, ...
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[Effects of Mandibular Midline Shift and Difference of Mandibular Height on the Masticatory Muscle Activity](#)

DY Jung, KS Han, TY Hyun... - ... of **Oral** Medicine and Pain, 2001 - koreascience.kr
This study was performed to investigate the effect of mandibular midline shift and difference of mandibular height between both sides on the electromyo-graphic (EMG) activity of the ...
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[Electromyographic assessment of the masseter and temporalis muscles in skeletal II malocclusion subjects with varying overjets: a pilot study](#)

K Ramsundar, S Rengalakshmi, [S Venugopalan](#)... - Cureus, 2023 - ncbi.nlm.nih.gov
... based on sagittal **dental** relationships. According to Angle, Class II malocclusions are characterized as a distal relationship of the mandibular **teeth** relative to the maxillary **teeth** of more ...
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... 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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... When a bite is unstable it can cause pain, **teeth** and **dental** restorations to crack and break,

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

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... The T-Scan Novus handle and **BioEMG** III are used to capture data that cannot be recorded

by ... The patient occludes into MIP with the sensor placed between their **teeth** and maintains ...

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... , selected from a continuous series of patients seeking prosthodontic treatments, who met

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... disciplines of **dentistry** and plays a major role in the longevity of both implant- and **tooth**-borne ...

Since this synchronization was developed,40 the T-Scan/**BioEMG** has been used in many ...

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... such as **BioEMG**. First, the patient was asked to sit upright comfortably on the **dental** chair with

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... a description of occlusal features, whereas disclusion time could be related to effect of **tooth**

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... Then **BioEMG** device was connected to a computerized ... anterior **teeth** covering more than

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... The concept of occlusion has been more guesswork than science for practicing **dentists** ...

occlusal adjustments, T-Scan®/**BioEMG**-guided ICAGD/DTR therapy provides patients ...

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... **teeth** in the interdigital position (three clenches of three seconds each with two seconds

between them were performed), during maximal voluntary clenching of the **teeth** on the **dental** ...

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... Unfortunately, the focus on this region by **dentistry** as a field ... was conducted with the help of the **BioEMG** II device, which is a part ... The electromyograph **BioEMG** II measures the muscle ...

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... Then, the posttreatment mastication analysis was recorded with a magnet-based JT-3D incisor-point tracker, a **BioEMG** III electromyograph and analyzed with the Bio-PAK version 8.80 ...

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... overjet was performed by a **dentist** directly with a caliper in all ... by a **dentist** with a specialization in **dental** prosthetics (seventh ... An 8-channel **BioEMG** III electromyograph compatible with ...

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... groups using a surface electromyograph, **BioEMG** III and the BioPAK computer program (... posterior **teeth**, d) clenching hard on one cotton roll placed between all the left posterior **teeth** ...

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... clenching with cotton rolls between **teeth**. Results. Significant ... Electromyographic measurement was carried out in a **dental** ... an 8-channel device **BioEMG** IIITM (BioResearch Associates, ...

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