



Source details

Indian Journal of Forensic Medicine and Toxicology

Scopus coverage years: from 2008 to 2021

(coverage discontinued in Scopus)

Publisher: Medico Legal Society

ISSN: 0973-9122 E-ISSN: 0973-9130

Subject area: Social Sciences: Law Medicine: Pathology and Forensic Medicine

Pharmacology, Toxicology and Pharmaceutics: Toxicology Environmental Science: Health, Toxicology and Mutagenesis

Source type: Journal

CiteScore 2020

0.1



SJR 2020

0.115



SNIP 2021

0.078



[View all documents >](#)

[Set document alert](#)

[Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology



CiteScore 2020 counts the citations received in 2017-2020 to articles, reviews, conference papers, book chapters and data papers published in 2017-2020, and divides this by the number of publications published in 2017-2020. [Learn more >](#)

CiteScore 2020 ▼

$$0.1 = \frac{387 \text{ Citations 2017 - 2020}}{3,509 \text{ Documents 2017 - 2020}}$$

Calculated on 05 May, 2021

CiteScore rank 2020 ⓘ

Category	Rank	Percentile
Social Sciences		
└ Law	#639/722	11th
Medicine		
└ Pathology and Forensic Medicine	#183/191	4th
Pharmacology, Toxicology and	#118/122	3rd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗

Copyright © Elsevier B.V. ↗. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

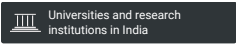
We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗.





Indian Journal of Forensic Medicine and Toxicology

Discontinued in Scopus as of 2020

COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
India 	Environmental Science ↳ Health, Toxicology and Mutagenesis Medicine ↳ Pathology and Forensic Medicine Pharmacology, Toxicology and Pharmaceutics ↳ Toxicology Social Sciences ↳ Law	Institute of Medico-legal Publications	12
PUBLICATION TYPE	ISSN	COVERAGE	INFORMATION
Journals	09739122, 09739130	2008-2021	Homepage How to publish in this journal editor.ijfmt@gmail.com

SCOPE

"Indian Journal of Forensic Medicine & Toxicology" is a double-blind peer reviewed international journal. The frequency is quarterly. It deals with Forensic Medicine, Forensic Science, Toxicology, DNA fingerprinting, sexual medicine, environmental medicine, Forensic Pathology, legal medicine and public health laws.

 Join the conversation about this journal

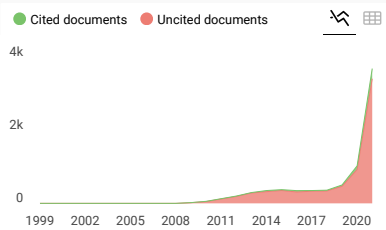
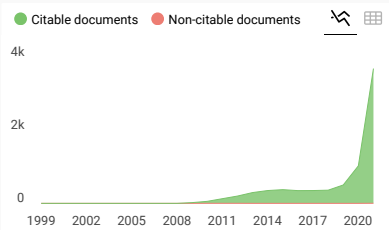
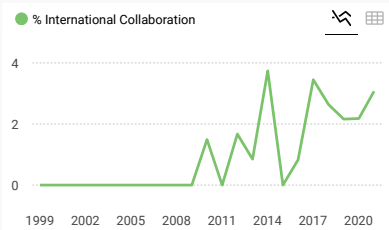
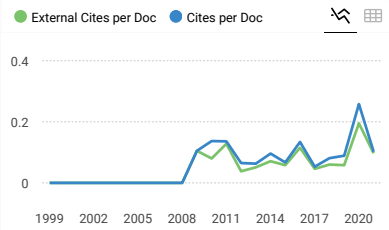
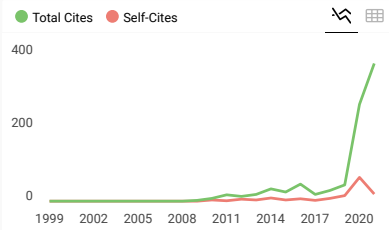
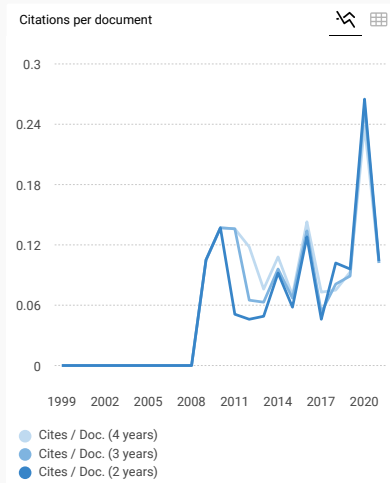
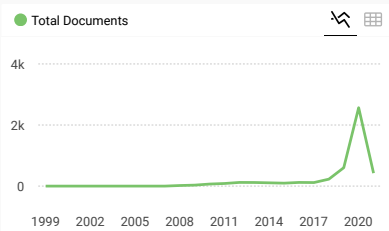
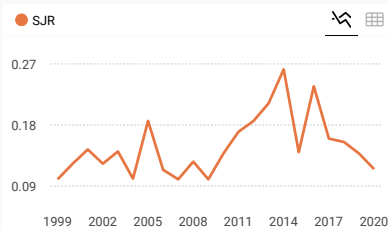
Quartiles



FIND SIMILAR JOURNALS

options 

1 Medico-Legal Update IND 53% similarity	2 International Journal of Medical Toxicology and Legal IND 41% similarity	3 Journal of Indian Academy of Forensic Medicine IND 34% similarity	4 Journal of Punjab Academy of Forensic Medicine and IND 30% similarity	5 Journal of the Nepal Medical Association NPL 29% similarity
--	---	--	--	--



Indian Journal of Forensic Medicine and Toxicology

← Show this widget in your own website

Not yet assigned quartile

SJR 2021 0

powered by scimagojr.com

Just copy the code below and paste within your html code:

``

SCImago Graphica

Explore, visually communicate and make sense of data with our **new data visualization tool.**

Metrics based on Scopus® data as of April 2022

D **Dr.Wiaam** 8 months ago

Dear sir,

What is the impact factor of the Indian Journal of Forensic Medicine

reply

Melanie Ortiz 8 months ago SCImago Team

Dear Dr.Wiaam, thank you very much for your comment. SCImago Journal and Country Rank uses Scopus data, our impact indicator is the SJR (Check it on our website). We suggest you consult the Journal Citation Report for other indicators (like Impact Factor) with a Web of Science data source. Best Regards, SCImago Team

E **Essam Fadel Al-Jumaili** 1 year ago

Dear sir

Is the Journal in Scopes because I want published my new paper in it. Thank you.

reply

Melanie Ortiz 1 year ago SCImago Team

Dear Essam,

Thank you very much for your comment.

All the metadata have been provided by Scopus /Elsevier in their last update sent to SCImago, including the Coverage's period data. The SJR for 2020 has been released on 17 May 2021. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.

Best Regards, SCImago Team

A **anas khaleel** 1 year ago

dear

editor says it is no longer in scopus?

is that true?

since May 10, 2021?

best

 reply

A **ahmed ali** 1 year ago

Are you asking or giving us information?



Melanie Ortiz 1 year ago

SCImago Team

Dear Anas,

Thank you very much for your comment.

All the metadata have been provided by Scopus /Elsevier in their last update sent to SCImago, including the Coverage's period data. The SJR for 2020 has been released on 17 May 2021. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.

For further information, please contact Scopus support: https://service.elsevier.com/app/answers/detail/a_id/14883/kw/scimago/supporthub/scopus/

Best Regards, SCImago Team

A **Aloto Ximenes Belo Amaral** 2 years ago

hello sir/madam,

indian journal of forensic medicine and toxicology 'Coverage 2008-2019'
is the journal out of Scopus? or someother reason?

thank you and please let me know.

 reply



Melanie Ortiz 2 years ago

SCImago Team

Dear Aloto,

Thank you very much for your comment.

All the metadata have been provided by Scopus /Elsevier in their last update sent to SCImago, including the Coverage's period data. The SJR for 2019 was released on 11 June 2020. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.

Best Regards, SCImago Team

S **sekar anggung gp** 2 years ago

how can i see the impact factor of Indian Journal of Forensic Medicine

 reply



Melanie Ortiz 2 years ago

SCImago Team

Dear Sekar, thank you very much for your comment. SCImago Journal and Country Rank uses Scopus data, our impact indicator is the SJR (Check it on our website). We suggest you consult the Journal Citation Report for other indicators (like Impact Factor) with a Web of Science data source. Best Regards, SCImago Team

M **Muna** 2 years ago

Please which Q the journal havr? At 2020

 reply



Melanie Ortiz 2 years ago

SCImago Team

Dear Muna,

Thank you for contacting us. Our data come from Scopus, they annually send us an update of the data. This update is sent to us around April / May every year. The SJR for

 **Ali Al-Saffar** 2 years ago

Dear Sir/Madam

Are the articles published in this journal covered by SClmago? In SCOPUS web site they already covered.

Regards

Ali

 reply



Melanie Ortiz 2 years ago

SClMago Team

Dear Ali,

Thank you for contacting us. SClmago doesn't index particular articles but journals. All the Scopus data are sent to SClmago in April/May every year.

Best Regards, SClmago

 **j. toma** 2 years ago

hello dear

Is the journal out of Scopus because it is written until 2019 in scopus??

thank you

 reply



Melanie Ortiz 2 years ago

SClMago Team

Dear Sir/Madam,

Thank you very much for your comment.

All the metadata have been provided by Scopus /Elsevier in their last update sent to SClmago, including the Coverage's period data. The SJR for 2019 was updated on June 2020, 11th. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.

Best Regards, SClmago Team

 **Farida** 2 years ago

In scopus coverage of this journal it's showing "Coverage: 2008-2019, what does this mean did the Indian Journal of Forensic Medicine and Toxicology lost scopus or discontinued after 2019? Or someother reason?

Can you please let me know that this having still scopus coverage for 2020 or not?

 reply



Melanie Ortiz 2 years ago

SClMago Team

Dear Farida,

Thank you very much for your comment.

All the metadata have been provided by Scopus /Elsevier in their last update sent to SClmago, including the Coverage's period data. The SJR for 2019 was updated on June 2020, 11th. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.

Best Regards, SClmago Team

 **muhaned Mohammed Eteya** 2 years ago

Hello Doctor I want to publish my research in your magazine, how long is the period of acceptance of publication, the period of publication, how many days, and what is the amount of publication in it

 reply



Melanie Ortiz 2 years ago

SClMago Team

Dear Muhaned,
thank you for contacting us.
We are sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus.
Unfortunately, we cannot help you with your request, we suggest you visit the journal's homepage or contact the journal's editorial staff , so they could inform you more deeply.
Best Regards, SCImago Team

S

S.MM 2 years ago

Dear sir/madam

As i am responsible in my university for checking the originality of the journals where our researchers published their researches, after evaluation of this journal, i found it fits with a lot of predatory criteria, riddled with scientific, grammatical and spelling mistakes, and seems that most of the published articles in this journal did not subjected to evaluation or review by reputed reviewers. I couldn't understand why , Scopus index and SCImago didn't reevaluate this journal and reconsider it again.

Regards

 reply



Melanie Ortiz 2 years ago

SCImago Team

Dear Salah,

Thank you for contacting us.

SJR is a portal with scientometric indicators of journals indexed in Scopus. All the data have been provided by Scopus /Elsevier and SCImago doesn't have the authority over this data which are property of Scopus/Elsevier. SCImago has a signed agreement that limits our performance to the generation of scientometric indicators derived from the metadata sent in the last update. We suggest you to contact with Scopus support regarding this matter here:

https://service.elsevier.com/app/answers/detail/a_id/14883/kw/scimago/supporthub/scopus/

Best Regards, SCImago Team

D

Dr Hama 3 years ago

Dear Sir can you please tell me about this journal it has same name with your journal are it possible?

Indian Journal of Forensic Medicine

 reply



Melanie Ortiz 3 years ago

SCImago Team

Dear Hama,

Could you please expand a little bit your comment? Best Regards, SCImago Team

A

Aqeel A. Alsadawi 3 years ago

Hello, I am the researcher Aqeel.

A research has been published in your journal entitled
(Treatment and experimental infection with Klebsiella pneumoniae in Rats)

It has not yet appeared on the Scopus page. Please reply to this message to find out the reason

 reply



Melanie Ortiz 3 years ago

SCImago Team

Dear Aqeel,

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you to contact directly with Scopus support:

https://service.elsevier.com/app/answers/detail/a_id/14883/kw/scimago/supporthub/scopus/

Best Regards, SCImago Team

D

Dr. Fouad Fadhil Al-Qaim 3 years ago

Dear Sir/Madam

I have only one question.

How does the same journal gather between science and social science (toxicology and law)?

Please can you explain, why it was considered in SJR data base?

Thank you

reply



Melanie Ortiz 3 years ago

SCImago Team

Dear Fouad,
Thank you for contacting us.
SJR is a portal with scientometric indicators of journals indexed in Scopus. All the data (Category, Publisher, etc) have been provided By Scopus /Elsevier and SCImago doesn't have the authority over this data which are property of Scopus/Elsevier. SCImago has a signed agreement that limits our performance to the generation of scientometric indicators derived from the metadata sent in the last update.
We suggest you to contact with Scopus support regarding this matter:
https://service.elsevier.com/app/answers/detail/a_id/14883/kw/scimago/supporthub/scopus/

Best Regards, SCImago Team

A

aarti 3 years ago

sir I want to publish my article and I have prepared accordingly but not able to find the copyright form. please help

reply

B

Bahram 3 years ago

Hello my dear

Please answer my questions

- 1 - On what bases does your magazine index? (ISI. Pub med or Scopus)?
- 2 - How many weeks is the maximum arbitration time? Is it possible to make quick judgments?
- 3 - How much does it cost to print an article?

Thank you

reply

H

hanaa 3 years ago

Hello dear: When will the 14th volume of the Indian Journal of Forensic Medicine and Toxicology be published?



Melanie Ortiz 3 years ago

SCImago Team

Dear Hanaa,
thank you for contacting us.
Unfortunately, we cannot help you with your request, we suggest you to visit the journal's homepage or contact the journal's editorial staff , so they could inform you more deeply.
Best Regards, SCImago Team



Melanie Ortiz 3 years ago

SCImago Team

Dear Bahram,,
thank you for contacting us.
We are sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus. We suggest you to consult Scopus and/or other databases to know where is this journal indexed in. You can also check that information in the journal's website or contact directly with the editorial staff. For further information about this journal, please visit the journal's website. Best Regards, SCImago Team

A

AUTHOR 3 years ago

is this journal still under scopus..??

reply

T

Tri Astuti Sugiyatmi 1 year ago

After May 2021, is this journal still indexed by Scopus?

Warm Regard

Tri



Melanie Ortiz 1 year ago

SCImago Team

Dear Tri Astuti,
Thank you very much for your comment.
All the metadata have been provided by Scopus /Elsevier in their last update sent to SCImago, including the Coverage's period data. The SJR for 2020 has been released on 17 May 2021. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.
Best Regards, SCImago Team



Raian Zobi 1 year ago

Is journal still under scopus?



Melanie Ortiz 1 year ago

SCImago Team

Dear Raian,
Thank you very much for your comment.
All the metadata have been provided by Scopus /Elsevier in their last update sent to SCImago, including the Coverage's period data. The SJR for 2020 has been released on 17 May 2021. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.
Best Regards, SCImago Team



Melanie Ortiz 3 years ago

SCImago Team

Dear Sir/Madam, thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you to consult the Scopus database directly. Keep in mind that the SJR is a static image (the update is made one time per year) of a database (Scopus) which is changing every day.
Best Regards, SCImago Team



Dr. Shalender Kumar, MD (FM) 4 years ago

Sir, I want to submit my manuscript for publication in your journal. So sir on which mail id I can do it sir. Kindly guide me sir. Thanks and regards.

← reply



Elena Corera 4 years ago

SCImago Team

Dear Dr Shalender,

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you check author's instructions in journal website. You can find that information in SJR website <https://www.scimagojr.com>

Best Regards,
SCImago Team

Leave a comment

Name

Email

(will not be published)

Submit

The users of Scimago Journal & Country Rank have the possibility to dialogue through comments linked to a specific journal. The purpose is to have a forum in which general doubts about the processes of publication in the journal, experiences and other issues derived from the publication of papers are resolved. For topics on particular articles, maintain the dialogue through the usual channels with your editor.

Developed by:



Powered by:



Follow us on [@ScimagoJR](#)

Scimago Lab, Copyright 2007-2022. Data Source: Scopus®

EST MODUS IN REBUS
Horatio (Satire 1, 1, 106)

[Edit Cookie Consent](#)



Indian Journal of Forensic Medicine & Toxicology

Website: www.ijfmt.com



Official Organ of Indian Association of Medico-Legal Experts (Regd.)



Editorial Team

Editor in Chief

Prof S K Dhatarwal

Forensic Medicine, PGIMS, Rohtak, Haryana

E-mail: editor.ijfmt@gmail.com

EDITORIAL ADVISORY BOARD

1. Prof Sudhir K Gupta, Head, FMT. AIIMS, New Delhi , India
2. Prof Mete Gulmen ,Cukurova University, TURKEY
3. Prof. Leandro Duarte De Carvalho , Minas Gerais, Belo Horizonte, BRAZIL
4. Dr. Valery Gunas, National Pirogov Memorial Medical University,Vinnytsya, UKRAINE
5. Dr. Rahul Pathak Forensic Science, Dept of Life Sciences ,Anglia Ruskin University, Cambridge, UNITED KINGDOM
6. Prof Emilo Nuzzalese, University of Turin , Italy
7. Dr Noha A. Magdy Elrafie, Forensic Toxicology, Ain Shams University, Cairo, EGYPT
8. Dr Rituja Sharma, Associate Prof, Law, Banasthali Vidyapeeth Jaipur
9. Dr Shankar Bakkanwar (*Associate Professor*) Forensic Medicine, Kasturba Medical College, Manipal, Karnataka
10. Dr K. Ravikumar , Raksha Shakti University, Ahmedabad, Gujrat.
11. Dr C. Behera (*Addl. Prof*) Dept of FMT, AIIMS, New Delhi
12. Dr. Kanak Lata Verma, Deputy Director, Toxicology ,RFSL, Chanakyapuri New Delhi
13. Dr. Asha Srivastava (*Senior Scientific Officer*) Forensic Psychology,Central Forensic Science Laboratory, CBI, Delhi
14. Dr. Raghvendra Kumar Vidua, (*Associate Prof*), FMT, AIIMS Bhopal
15. Dr. Vaibhav Saran (*Asst.Prof.*) School of Forensic Science, Sam Higginbottom Institute of Agriculture Technology & Sciences,Allahabad
16. Ms Aparna R. Asst. Prof. Forensic Serology & Biology, Jain University, Bengaluru
17. Dr. Deepali Jain, Asst Prof, Forensic Science ,BB Ambedkar University, Lucknow
18. Prof. NK Aggrawal Forensic Medicine, UCMS, Delhi
19. Prof. Manoj Kumar Mohanty, Forensic Medicine, AIIMS, Bhubneshwar, Odisha
20. Prof. Amar Jyoti Patowary, Forensic Medicine, NEIGRIHMS, Shillong, Meghalaya
21. Prof S. Venkata Raghava , Forensic Medicine, Banglore Medical College, Bengaluru
22. Prof. Shalini Gupta Oral Pathology and Microbiology, Faculty of Dental Sciences, King George Medical University, Lucknow
23. Prof. Virender Kumar Chhoker Forensic Medicine, Santosh Medical College, Ghaziabad, UP
24. Prof. Dayanand G Gannur , Forensic Medicine , Shri BM Patil Medical College, Hospital & Research centre, Bijapur, Karnataka
25. Prof Praveen Arora, Forensic Medicine, SAIMS, Indore, MP
26. Prof Barkha Gupta , Saraswathi Institute of Medical Sciences Hapur, Uttar Pradesh India
27. Prof M Prashant Apollo Medical College Hyderabad

28. Prof Dimple Patel , Anatomay, AMC MET Medical College , Ahmedabad , Gujarat
29. Dr Mohammed Nader Shalaby, Associate Professor of Biological Sciences and Sports Health Department, Faculty of Physical Education, Suez Canal University, Egypt

30 Dr. Avinash Harishchandra Waghmode

Professor and Head,Dept of Forensic Medicine and Toxicology,BKL Walawalkar Rural
Medical College Chiplun Ratnagiri

31 Dr. Anita Yadav Assistant Professor Forensic Science, SBAS Galgotias University, Greater
Noida, UP

32 Dr. Risha Jasmine Nathan Assistant Professor Forensic Science, SBAS Galgotias University,
Greater Noida, UP

Current Issue

ATOM 1.0

RSS 2.0

RSS 1.0

[Make a Submission](#)

Browse

[Open Journal Systems](#)

Information

[For Readers](#)

[For Authors](#)

[For Librarians](#)

Platform &
workflow by
OJS / PKP



Vol. 14 No. 2 (2020): Indian Journal of Forensic Medicine & Toxicology



DOI: <https://doi.org/10.37506/ijfmt.v14i2>

Published: 2020-07-16

Articles

Morphology of Palatal Rugae in Various Sagittal Skeletal Malocclusions in Kerala Population- A Retrospective Study

Crystal Runa Soans¹, Azhar Mohammed², Murali PS¹, Mcqueen Mendonca³, Prajwal Shetty³, VartikaKumari⁴
1-7

Pdf

Analysis of Hospital Deaths at Tertiary Care Teaching Hospital

Jeeveswararao Bagadi¹, Srinivasulu Pothireddy², Sujana Kumar Mohanthy³
8-12

Pdf

Study of Fingerprints in Relation to Dental Caries

Maitrayee Dutta Swargiary¹, Bhanukul Barman²
13-18

Pdf

Trends & Pattern in Unnatural Female Death Cases Due to Burn: A One Year Retrospective Study

Manjit Nayak¹, Saumil Merchant², Kalpesh Shah³

19-23

 Pdf

Effectiveness of Structured Exercise Programme Versus Elastic Band Exercise on Individuals with Rounded Shoulder

Geetan Manoj Pathak¹, Khushboo Chotai², Smita Patil³, Amrutkuvar Rayjade⁴

24-28

 Pdf

Effectiveness of Cognitive Therapy in Post-Menopausal Women

Mrunal V Ghangrekar¹, Trupti Yadav², Amrutkuvar Jadhav³, Smita Patil⁴

29-32

 Pdf

Effect of Meditative Movement Exercises with Breath Control on Depression in Nulliparous Women

Mrunmayi Sandip Gadre¹, T Poovishnu Devi²

33-36

 Pdf

To Assess Dentist Knowledge About Lipid Treatment of Local Anesthetic Systemic Toxicity

Nitin Bhagat¹, Rohit Sharma², Siddharth Rawat², Sheikh Abrar³, Singh Priyanka Jaiprakash³

37-40

 Pdf

Assessment of Medico- Legal Awareness of Practicing Obstetricians and Gynecologists

Ajay V Patil¹, Rajendra Bangal²

41-44

 Pdf

Pattern of Cranio-Cerebral Injuries at a Tertiary Care Centre – A Retrospective Study

Anand Patil¹, Tasgaonkar V N¹, Rakesh M Marigoudar²

45-48

 Pdf

Profile of Deaths Due to Poisoning: Autopsied at Ssims & Rc - A Cross Sectional Study

Anand Patil¹, Rakesh M Marigoudar², Vijayakumar B. Jatti³

49-53

 Pdf

Scope of Periodontium in Forensic Science

Gayathri S¹, Gomathi M², Nandhini V³, Sumathi H R⁴, Geetha T⁵, Dona Samm²

54-57

 Pdf

Touch Dna as Forensic Aid: A Review

Indresh Kumar Mishra¹, Bhoopendra Singh², Amarnath Mishra³, Braja Kishore Mohapatra⁴, Ruchika Kaushik⁵, C Behera⁶

58-62

 Pdf

Flibanserin: A Miracle Drug in Management of Hypoactive Sexual Desire Disorder in Female

Jeetendra Kumar Gupta¹, Ahsas Goyal¹, Kajal Thareja², Bhavini Saraf²

63-69

 Pdf

Canine Width as a Means for Stature & Sex Prediction

Jyoti Barwa¹, Rattan Singh², Shipra Agarwal³

70-75

 Pdf

Introducing Micro-hardness Test in Forensic Odontology as an Aid in Solving Crimes: Multidisciplinary Approach

Kuldeep Singh Shekhawat¹, Arunima Chauhan², Manoj Varma³

76-82

 Pdf

Effect of Plyometric Training on Vertical and Horizontal Jump in Recreational Athletes Indulging in Jumping Activities

Prina Y. Patel¹, Trupti Yadav²

83-88

 Pdf

Risk factors in Implant Placement: A Retrospective Analysis

Thilak Shetty¹, Shobha Rodrigues², Sharon Saldanha³, Umesh Pai³, Mahesh M³, Puneeth Hegde³, Manawar Ahmad⁴

89-93

 Pdf

Deleted

94-99

Effect of Upper Body Strength Training in Spatiotemporal Parameters of Gait In Individual with Thoracic Kyphosis

Vinayak Sawant¹, Poonam Patil²

100-105

 Pdf

Factors Related to Alzheimer's Disease, Tau Pathology in Alzheimer's Disease: Possible Treatments for Tau Pathology

Vityala Yethindra¹, Narsimharaj Alenur², Lakkam Saicharan³

106-114

 Pdf

Association between Running Activity and Pronated Foot Posture in East Java Puslatda Athletes

Yani Christina¹, Indrayuni Lukitra Wardhani¹, Bayu Santoso¹

115-120

 Pdf

Morphometry Study on Thoracic Vertebrae Pedicle with Computed Tomography Scan in Population of Surabaya, Indonesia

Yoki Surya¹, I Ketut Martiana¹

121-125

 Pdf

Awareness about Whole Slide Imaging and Digital Pathology among Pathologists - Cross Sectional Survey

Sandhya Sundar¹, Pratibha Ramani², Herald J Sherlin³, Gheena Ranjith³, Abilasha Ramasubramani⁴, Gifrina Jayaraj⁴

126-130

 Pdf

Alteration in Physicochemical Parameters of Soil Beneath Rabbit Carcass: Consequence of Carcass Decomposition

Sarabjit Singh¹, Madhu Bala²

131-138

 Pdf

Knowledge and Awareness of Medical Students about Injuries in Forensic Perspective

Sulekha Naresh

139-145

 Pdf

A Cross Sectional Study on the Awareness and Practice of Road Safety Measures among the Medical Students in Chennai

Sushil Chakravarthy. A, Magendran J,

146-151

 Pdf

A Study on Awareness of Breast Cancer among Nursing Students

Tansushree. B1, Magendran.J2

152-157

 Pdf

Assessment of the Feedback Questionnaire from Students for a Weekend Lecture

Vishal Marwaha1, Anu Sasidharan2, Greeshma C.R3

158-163

 Pdf

Assessment and Examination of Female Rape Victims and Their Genital Injuries

Yamini Patil1, Sanjay Kumar Patil2

164-166

 Pdf

Visum Et Repertum in the Evidencing Process of Rape in Indonesia

Arief Budiono1, Wilma Silalahi2, Ayesha Hendriana Ngestiningrum3, Wafda Vivid Izziyana1, Suparji4, Sofyan Wimbo Agung Pradnyawan5, I Nyoman Putu Budiarta6

167-171

 Pdf

Effectiveness of Conventional Physiotherapy Exercises Versus Kinesiotaping in Recreational Football Players with Plantar Fasciitis

Pratiksha Rahane1, Khushboo Chotai2, Amrutkuvar Rayjade3, Smita Patil4

172-178

 Pdf

Metanalysis of Qualitative and Quantitative improvement in Active Rehabilitation of Post ACL Repair or Reconstruction

Radhika Chintamani

179-184

 Pdf

Effectiveness of Lifestyle Modification in Late Adolescent Females with Normal BMI Polycystic Ovarian Syndrome

Snehal Walmik Hukire1, T. Poovishnu Devi2

185-189

 Pdf

Study of Profile of Sexually Related Unnatural Deaths

Siddaramanna T C1, Dileep Kumar R2, Girish Chandra Y P3, Shailesh V Parate4, Harish S5
190-193

 Pdf

Knowledge and Awareness about Medical Ethics among Medical Practitioners in a Teaching Medical College and Hospital, Chennai

Subhashree Bangaru1, Magendran. J2
194-199

 Pdf

Effectiveness of Bosu Ball Exercises Versus Thera Band Exercises on Core Stabilization and Balance Performance

Rasika A. Sawant1, Khushboo Chotai2, Smita Patil3, Amrutkuvar Rayjade4
200-206

 Pdf

A Novel Method of Establishing the Identity of an Individual by Analyzing the Pattern & Volume of the Frontal Sinus Using Computerized Tomogram – A Retrospective Cross Sectional Study

R. Harshada1, Nalini Aswath2
207-213

 Pdf

Study of Adverse Drug Reactions (ADRs) Occurring with the Drug Use in a Tertiary Hospital

R. Selvaraj1, Abhay P.Betala2
214-217

 Pdf

Pattern of Homicidal Deaths at Raichur District Region – A Retrospective Study

Ravishankar M G1, Sunil Kumar Kainoor2, Suraj1, S Sharmila3
218-222

 Pdf

Chronic Alcoholism and Drug Abuse Behavior: A Menace to Society- A Research Study

Rajesh Kumar Baranwal1, Pradeep Yadav2, Sanjeet Kumar3
223-225

 Pdf

Role of Physiotherapy on Quality of Life in Stroke Survivors – A Systematic Review

Kanase Suraj B1, G.Varadharajulu2, Pragati V. Salunkhe3, Mayuri D.Burungale3
226-230

 Pdf

Effect of Goal Oriented Exercises Versus Combined Physiotherapy Intervention on Functional Independence in Subject With Traumatic Brain Injury

Pragati V Salunkhe¹, Suraj B Kanase²
231-235

 Pdf

The Effect of Structured Physiotherapy Exercise Programme on Lung Function in Industrial Workers

Patil Poonam¹, Kanase Suraj B²
236-241

 Pdf

Effect of Integrated Neuromuscular Inhibition Technique on Frozen Shoulder

Amir A. Khan¹, Smita Patil², Khushboo Bathia³
242-247

 Pdf

Comparison of Closed Kinetic Chain Exercises and Conventional Therapy on Cardiac Parameters in Post CABG Subjects

Ankita Ajit Patil¹, Chandrakant Patil², Smita Patil³
248-253

 Pdf

Effect of Step Aerobics Applied Early in Phase 2 Cabg Subjects on Functional Capacity and Exercise Tolerance

Kaustubh G. Jadhav¹, T. Poovishnu Devi²
254-259

 Pdf

Improving the Motility of a Scleral Shell prosthesis with an Acrylic Orbital Implant: A case report

Varsha Ignatious¹, Umesh Y Pai², Shobha J Rodrigues³, Thilak Shetty B⁵
260-263

 Pdf

Effect of Exercise Training Program in Pain, Muscle Strength and Functional Mobility in Post Cervical Decompression Surgeries

Kamble Jyotsna Prabhakar¹, Kanase Suraj B²
264-269

 Pdf

A Study on Bio-Medical waste Segregation Monitoring in a Tertiary Care Hospital at Telangana

Sachin Suresh Shinde¹, Kishore Babu Marivina², Shalini³
270-275

 Pdf

Effectiveness of Open Kinematic Chain Exercises and Closed Kinematic Chain Exercises in Adductor Groin Pain in Recreational Football Players

Raghavendra Sunilkumar Pandey¹, Trupti Yadav², Amrutkuvar Rayjade³, Radhika Chintamani⁴, Apoorva Kolhatkar⁵
276-282

 Pdf

Self Care Practices among Hypertensive Patients with the View to Develop Informational Pamphlet

Priyanka Mohan Mali¹, Mahesh B. Chendake², Samir K. Choudhari³
283-288

 Pdf

To Determine Tobacco Usage and Associated Risk Factors among Adolescents- A Survey

Sangamesh NC¹, Vidya KC², Atul Bhardwaj³, Jagadeesh KN⁴, Anuj Singh Parihar⁵
289-292

 Pdf

Comparative Evaluation of MTA and Biodentine as a Restorative Material In Deciduous Teeth

Sravani Uppala
293-296

 Pdf

Effects of Circuit Training Program on Quality of Life of Children with Hemophilia

Mandar Malawade¹ Amrutkuvar Rayjade¹, G. Varadharajulu²
297-302

 Pdf

Assessment of Serum Levels of Salusin ? and Salusin ? in Cardiovascular Disease Patients Undergoing Transcatheter Therapy

Ayat Saeed Awad*¹, Hanaa Addai Ali² , Mohauman Mohammad AL-Rufaie ³
303-308

 Pdf

Effect of Multi-Wall Carbon Nanotubes on the Microhardness of the Tooth Enamel

Mohammed K. Jawad¹, Abbas F. Ali², Ali B. Roomi³
309-314

 Pdf

Evaluation of CEA,CA19-9, and CA242 Tumor Markers in Patients with Colorectal Cancer by ELISA Technique

Ahlam Shakir Hammood AL- Rubaiawi¹ Mukhtar Khamis Haba¹, Laith Raouf Ahmed AL- Hadad²
315-320

 Pdf

Knowledge about Emergency Contraception Pills among Primary Health Care Doctors in Baghdad\Al-Karkh Sector

Waleed Arif Tawfeeq¹, Amer Abaas², Zaid Abdulateef Abdulkareem²
321-326

 Pdf

Relationship of Vitamin D with Some Electrolytes in the Serum of People with Rheumatoid Arthritis in the City of Samarra

Adeeb Mahfooth Farag Al-Samaria¹, Kader Abdullah Shanak Al-Esawi², Esraa Ali Abdul Kareem Al-Samaria³,
Dhameer Ismael Madab AL-Khazraji⁴
327-331

 Pdf

Study of Thyroid Hormones for Vitiligo Patients in AL-Anbar Governorate

Yasser Q. Hussein¹ Wajeeh Y. Mohammed¹ Abdulla S. Al-Hasan², Sabri M. Al-marsomi¹
332-335

 Pdf

Detection of Quorum Sensing Signal Molecules and Identification of espB and Crt4 genes among Biofilm Forming of Citrobacter freundii

Wathiq Abbas Hatite Al-Daraghi¹, Mautham Khazaal Kadhim AL-Behadili¹
336-341

 Pdf

The effect of Beta-amino Butyric Acid in Levels of Interleukin4 & Interleukin 10, Complement Proteins C3 & C4 and Immunoglobulin IgM in Males Rats Sprague Dawley Infected with Pseudomonas aeruginosa

Zainab Makki Sagheer¹ Mohammad Abas Jasim¹
342-347

 Pdf

The Toxic Effect of Cadmium Chloride on Lung Function and Tissue and the Protective Role of Pomegranate Seed Oil in Female Rabbits

Noor Ibrahim Hasan AL-Kraie¹, Israa Salman Dalas¹; Qasim Azeez Razooqi¹
348-354

 Pdf

A Biometric Assessment of a Combined Topical Levofloxacin, Retinol, Cloxacillin and Ascorbic acid Against Facial Acne

Naser A Naser¹, Hussein Abdulkadhim A², Sahar A. Alhar³, Karrar K. Alhaidary⁴, Rana Talib Al-Nafakh⁴
355-360

 Pdf

Assessment the Efficacy of Arthrocentesis with Corticosteroid and Arthrocentesis with Sodium Hyaluronate in Treatment Temporomandibular Joint Disorders: A Comparative Study

Samer Majeed Mohammed¹, Muntathar Muhsen Hassan Abusanna², Zina Ali Daily³
361-366

 Pdf

Aqueous Extract of Date Palm Fruit (*Phoenix dactylifera*) Protect Liver Against Cyproterone Acetate Toxicity in Male Mice

Nuha Yaarub Al-Harbi¹, Eman Fadhel Abbas Awadh¹, Wasan Najim Abdul-Sada²
367-372

 Pdf

Molecular Detection of *Pseudomonas aeruginosa* and its Relationship with Multidrug Resistance and Transposons

Wathiq Abbas Hatite Al-Daraghi¹, Mohammed Sattar Abdulkadim Al-Badrwi¹, Haider Rida Jassim¹
373-378

 Pdf

Antifungal Activity of Silver Nanoparticles Using *Penicillium Chrysogenum* Extract Against The Formation of Biofilm for *Candida Glabrata*

Nada S. Salah¹, Thamer A.A. Muhsen¹, Mohssen H. Risan²
379-384

 Pdf

Study of Epidemiological Factors According to the Positive Response of Igg of Patients Infected with *Blastocytis hominis* in Diyala province, Iraq

Muna Hameed Ahmed Alazzawi¹, Nabaa Ali Jasim¹, Masar H. Ismail³
385-389

 Pdf

Epidemiological and Histopathological Study of Appendicitis in Karbala Province

Khetam L.Hussain¹, Aiyat hazem al-shugary², Eman Jabbar Rahim³, Amear Ali Aenad⁴, Sajida Jawad Mahdi⁵, Abdullah ali Kate⁶
390-394

 Pdf

Molecular investigation of virulence factors genes in *streptococcus pyogenes* by PCR

Russell Issam AL-Daher¹, Maysa S. AL-Shukri², Hayam K . AL-Masoodi³
395-399

 Pdf

Iron Deficiency among Patients with Febrile Seizures in Al Ramadi Maternity and Children teaching Hospital, Western Iraq

Sahar j. AL- Hiali

400-405

 Pdf

Antibiotic Susceptibility of Bacteria Isolated From Under Nails

Zahraa AL-Tae1, Sura Ihsan Abed Jabuk1, Raflaa S.H. Hussian1, Zainab H. Kareem2, Yasir H. AL-Mawlah1

406-409

 Pdf

Removal of Tetracycline from Aqueous Solutions using Pomegranate Peels Residues Accessing to ZRL

Rajaa S. Abass1 Suad Turkey Ali1, Tamara Sami Naji2

410-414

 Pdf

Complications of Laparoscopic Cholecystectomy in a Sample of Patients Admitted to Al-Ramadi Teaching Hospital, Anbar-Iraq

Tarek Mahdi Salih

415-420

 Pdf

Physiological Study Comprising the Sequelae of Magnetic Radiation on Human

Wissam Sajid Hashim1, Azal Hamoody Jumaa2, Noor Thamer Alsaadi 1, Ayad Gaber Areean1

421-425

 Pdf

Assessment of Transdermal Vasodilatory Effect of a Combined Panthenol, Amlodipine, Isosorbide Dinitrate and Betahistine HCl on Peripheral Vessels

Hussein Abdulkadhim A1, Naser A Naser2, Fadhaa A. Ghafil3, Rana Talib Al-Nafakh4, Karrar K. Alhaidary4

426-432

 Pdf

Evaluation of Using Titanium Mesh in the Reconstruction of Traumatic Orbital Floor Fracture

Mukhalled Salim Alasady1, Ihsan Abdullah Kumail 1, Alyaa Turkey Alsultany2, Ali B. Roomi3

433-438

 Pdf

Association of Epstein- Barr Virus (EBV) with the Development of Nasopharyngeal Carcinoma (NPC) in Western Region of Iraq: Unmatched Molecular Case-Control Study

Mothana Ali Khalil1, Arkan Obaid Jasim Al-Essawi2, Mohammed Tafash Dagash3

439-445

 Pdf

Molecular Detection of Toxogenic Cyanobacteria Isolated from Tigris River in Baghdad City –Iraq

Zainulabdeen H. A. AL-Khafaji1, Ahmed S.Dwaish2

446-450

 Pdf

Flame Atomic Absorption Spectrophotometry Analysis of Heavy Metals in Some Food Additives Available in Baghdad Markets, Iraq

Wasan Abdulwahid Jasim1, Jassim Dawood Salman2, Jasim Mohammed Shamar Jamur3

451-456

 Pdf

Detection Malta Fever by Interferon-gamma and Steroid Hormone S Level

Ali Anok njum1, Layla Saleh Abdul-Hassan2 Ihasan A. Hashem3

457-462

 Pdf

Hepatic Toxicity in Patients with Rheumatoid Arthritis and Psoriasis Taking Methotrexate Therapy

Haider Hamza Omran1, Basim Mohammed Mothlum1

463-468

 Pdf

Scolicidal Activity of Zirconium Oxide (ZrO₂) nanoparticles Against Protoscolices of Hydatid Cysts

Amenah Abdul-Jabbar Ibrahim

469-472

 Pdf

Molecular Study of Fimh Gene in Klebisella Pneumoniae Isolated From Urinary Catheter Patients

Israa Abdul Ameer Al-Kraety1, Zahraa Hameed Oda Alquraishi2, Aqeel A Alsadawi3

473-477

 Pdf

Chemerin Level as a Marker in Preeclampsia and its Relation to the Disease Severity and Neonatal Outcome

Ali Mohammed Murad, Marwa Jaafar Sadac (M.B.Ch.B)²; Hanan Hazim Mohammed Noori (M.B.Ch.B, C.A.B.O.G, DGO)³

478-484

 Pdf

Production, Analysis and Optimization of Inulin Produced from Pseudomonas fluorescens

Alyaa Razooqi Hussein¹, Alaa Raheem Kadhim²

485-491

 Pdf

Epidemiology of Hepatitis B and C in Al-Muthanna Province

Adian Abd Alrazak Dakl¹, Wafaa Ayad Alnuaimy¹

492-494

 Pdf

The Impact of Congenital Heart Diseases on Growth Parameters in Children and Their Correlations with Leptin Levels

Fouad Shareef¹, Amal Salih Mahdi Bayee²

495-500

 Pdf

Hormonal and Mineral Imbalance Effect on Bone Resorption in Predialysis Iraqi Patients with Chronic Kidney Disease

Inaam Ahmed Ameen¹, Sarah Hashim Mhaibes², Shahad Wisam Ahmed³, Kaled Nather Taha⁴ And Dhikra Abdul Hameed Dawood⁵

501-507

 Pdf

Robust Controller Electromyogram Prosthetic Hand with Artificial Neural Network Control and Position

Saygin Ahmed¹, Aydin S. Ahmed², Bülent Yilmaz³, Nuran Dogru¹

508-513

 Pdf

Study the Genotoxicity of Aqueous and Alcoholic Extracts of Adhatoda Vasica on the Roots of Allium cepa L. by RAPD-PCR Technique

Adnan Owayez Jasim¹, Mohammed Mahdi Jawad¹

514-519

 Pdf

Histological Study of the Effect of Isoxicam on Ovary of Albino Mice Mus Musculus

Ali Khudheyer Obayes¹, Wurood Mohamed Mutar², Rasha Hamid Ayub³, Sahar Abdullah Mohammed⁴

520-525

 Pdf

Genotyping of Tumor Necrosis Factor- α in Inflammatory Bowel Iraqi Patients

Inas Fadhe1, Wafaa Sabri Mahood2

526-532

 Pdf

Antibacterial activity of Eruca Sativa Seeds Aqueous Extract Against Human Pathogenic Bacteria

Madeha H. Hussain4, Aml Hendi Salih1, Rajaa Hendi Salih2, Ali S. Hassoon3

533-536

 Pdf

Possible Role of Toxoplasmosis on Gene Sequence Alteration in Patients with Cardiovascular Diseases

Nazar Sh. Mohammed1, Ammer Abd. Mohammed2, Salwa S. Muhsin1

537-540

 Pdf

Deleted

541-545

Study the Cytochrome P450 Gene Expression Changes in Iraqi Patients with Chronic Liver Disease

Areej GH Al-Charak1, Hamza H Kzar2

546-550

 Pdf

The Reliability of Orthodontic Treatment, According to the Needs of Patients Using the Dental Aesthetic Index

Esraa Salman Jasim1, Noor F. K. Al-Khawaja2

551-557

 Pdf

Study the Protective Role of Arabic Gum Extract on Some Physiological and Histological Criteria for Liver of Male Rabbit Treated with Atrazine

Noor Rahi AL-Shimmari1, Rasha Abdulameer Jawad1

558-564

 Pdf

Relation between Working in Petrol Station and Blood Hemoglobin Levels for the Filling Workers in Al-Najaf City/ Iraq

Fulath Abdul-Redah Muhsin

565-569

 Pdf

Effect of Preoperative Breathing Exercise on Postoperative Patients' Lung Functions

Dhiaa A. Al-Reda¹, Rajha A. H.¹

570-575

 Pdf

Glomerular Diseases: Systemic Lupus Erythematosus is Most Common Finding: A Cross-Sectional Study

Fadhil Handhal Khleif¹, Haider Jebur Kehiosh², Salman Azeez Aljubori³, Sabah Nemah Alfatlawi⁴

576-580

 Pdf

Synthesis of Diimidazole Has Pyrazole, Isoxazole and Pyrimidine Derivatives and Evaluation as Antibacterial

Sahar Abdullah Kadham.¹, Abdul Jabar Kh. Atia²

581-585

 Pdf

Novel approach and Cloud Point Extraction Method for Determination of Acetazolamide Drug

Muna Iskandar Mahdi ¹, Kassim Hassan Kadhimi¹

586-592

 Pdf

Preparation and Characterization of Nano-Hydroxyapatite Particles and Chitosan by Sol-Gel Method (in Vitro Study)

Saja Kareem Esmael¹, Raghdaa Kareem Jassim², Rasha Mahdi³

593-599

 Pdf

Inactivation of Enterococcus Faecalis in Drinking Water using Silver Nanoparticles Embedded Paper

Alaa H Al-Fatlawi¹, Shahad A. Raheem²

600-605

 Pdf

Assessment of the Correlation between the Salivary Flow Rate and Dental Caries Experience among Children with β -Thalassemia Major

Mudhafar Fadhil Jaddoa¹, Alhan Ahmed Qasim²

606-611

 Pdf

Determine Effect of Carbothera Therapy on Foot and Leg Ulceration for Diabetic Patients in Endocrine and Diabetic Center at Al-Nasiriya City

Sameer Razak Olewi¹, Oday Faris Washeel², Hassan Al-Yassin³, Adel Gassab Mohammed⁴

612-618

 Pdf

Outcome of Endoscopic Endonasal Repair of CSF Rhinorhea Using Fascia Lata Graft

Hani Musa Al-Akbi¹, Ahmed Adhab Mayan², Ammar Jabbar Najm Alkelabi³, Laith Ali Mahmood⁴
619-624

 Pdf

Genotype and Haplotype of HLA- Class II in Type I and Type II Diabetes Mellitus in Iraqi Patients

Abeer Mazin¹, Abdalnabi J Abid²
625-630

 Pdf

Cloud Point Extraction, Preconcentration and Spectrophotometric Determination of Co (II) and Cu (II) using 15-Crown-5

Yussra O.Mussa¹, Azhar A. Ghali², Ashwaq S.Hussei¹
631-639

 Pdf

Hormonal and Immunological Study in Serum of Pregnant albino rats Treated with Nickel Oxide Nanoparticles

Haneen M.Alsoltane¹, Amel A.Altaee¹
640-645

 Pdf

Assessment of Mental Health of Healthcare Professionals Working in the Infectious Diseases Units: Comparative Study

Maysaa Niama Aboalshon¹, Hayder H. AL-Hadrawi², Ammar Abbas Shalan²
646-651

 Pdf

Emotional Intelligence and Work-related Stress among Nurses Working in Psychiatric Hospitals

Zaman Ahmed Hrefish¹, Hayder H. AL-Hadrawi²
652-656

 Pdf

The relationship between smoking and Urokinase gene 3'-UTR T/C expression on occurrence of bladder cancer

Zainab Nizar Jawad¹, Kamal Abdul Rasool¹, Weaam Awad²
657-659

 Pdf

Effect of Carcinogenic Substance (7,12 Dimethylbenz [a] anthracene (DMBA)) on Tissue, Hematology Character and Enzyme Activity in Rat

Abdulridha Mohammed Al-Asady¹, Ntisar Kadhum Ghaleb², Abeer Muhammedali Jasim Alnasrawi³, Thoalffakar A. ALhamed⁴

660-664

 Pdf

Psychological Factors Affecting on Developing Reading Skills and Evaluation of Reading Strategy Knowledge

Wathiq Al – Hussein¹, Asst. Prof. Dr. Daaa Oued Al Arnousi¹, Qassim Raheem¹

665-669

 Pdf

Comparison between Photoselective Vaporization of Prostate by Diode Laser and Monopolar Transurethral Resection of Prostate in Single Center Experience

1Zaid Ali Abdul Hussein, Ali Hamdan Fahad², Falah Mahdi Al Khafaji³

670-676

 Pdf

Tympanometric Findings among Adults with Chronic Nasal Obstruction Due to Sinonasal Pathology

Salim Hussain Ibrahim

677-681

 Pdf

The Impact of Mindfulness Education on Elementary School Students

Rawaa Saadoun Al-Abedi¹, Ibtisam Al-Zaywaini¹, Rassem Ahmed Al-Jerayi¹

682-686

 Pdf

Prevalence of Bronchiolitis among Hospitalized Children less than Two Years in Babylon Province

Maha. A. Kadim¹, Nuhaad M. AL-Doori²

687-691

 Pdf

Nanotechnology Issues Included in the Subjects of the Department of Biology in the Colleges of Education

Mazin Thamer Shanef¹, Mustafa Abdel Amir Raheem Al-Zamili¹

692-697

 Pdf

Color Stability of Different Aesthetic Resin Composite Materials: A Digital Image Analysis

Shatha Abdul-Kareem¹, Ahmed G. Al-Marooof¹, Noor H. Fadhil²

698-702

 Pdf

Bergamot Essential Oil Effect against Candida Albicans Activity on Heat Cure Acrylic Denture Base

Zinah Salah Mawlood¹, Ghassan Abdul-Hamid Naji²

703-708

 Pdf

Antimicrobial Activity and Characterization of Some Oxazole, Thiazol and Quinoline

Amjad Gali. Eliwi¹, Safaa. Abdul-Hameed. Dadoosh¹, Zainab Z. Mohammed Ali¹, Abdul Jabar Kalaf Atia¹, Iman Rajab Mohammed¹, Zaman Ahmed. Hussein¹

709-715

 Pdf

Risk Factors related to Sudden infant death syndrome (SIDS)

Hussein Jassim Mohammed¹, Musadaq Abdulkadhim Dohan², Nuhad Mohammed Kassim³, Mohamed Igrish⁵, R.N Kadhim Hussein Jassim⁶

716-719

 Pdf

Design and Implementing System to Study Environmental Noise Pollution Using Microcontroller

Ahmed Yousif Falih¹, Ali Talib Qasim², Basma Jumaa Saleh³, Walaa Sami Tahluk⁴

720-725

 Pdf

Nurses Staff Knowledge Regarding Standard Hand Hygiene Precautions in Rania City/Kurdistan Regional Government of Iraq

Blend B. Ameen

726-731

 Pdf

Risk Factors Increasing Prevalence of Type 2 Diabetes Under The Age of 40 Years Attending Al-Diwanyia Teaching Hospital

Hassan Raji Jallab¹, Zahraa Abdul Ameer Kadhim¹

732-737

 Pdf

Psychosocial Consequences of Children with Idiopathic Growth Hormone Deficiency in Baghdad

Adraa H. Shawq¹, Zaid W. Ajil¹

738-742

 Pdf

Prevalence of Hepatitis B and Hepatitis C Viruses in ? - thalassemiacs major patient in AD-Diwanya province ,iraq

Hassan Raji Jallab¹, Zahraa Muayad Eesa¹
743-747

 Pdf

Deposition of TaN Film on Commercial Pure Titanium Disk by Modified Reactive Plasma Sputtering Technique

Hassan Jawad Farhan¹, Raghdaa Kareem Jassim², L.thair³
748-753

 Pdf

Influence of Carcinogenic Substance (7, 12 Dimethylbenz [a] Anthracene (DMBA) on Tissue, Hematology Character and Enzyme Activity in Rat

Abdulridha Mohammed Al-Asady¹, Intisar Kadhum Ghaleb², Abeer Muhammed ali Jasim Alnasrawi³, Thoalfakar A. ALhamed⁴
754-758

 Pdf

Immunohistochemical Expression of CD68, P53 and Bcl2 in Thyroid Tumors

Samar Abdul Raheem AL-Gharrawi¹, Ali Hussein Mohammed Ali Alkhafaji², Rana Zuhair Naji³
759-765

 Pdf

Prevalence of Lung Cancer in Non Smoker Patients Attending Al-Diwaniyah Teaching Hospital

Hassan Raji Jallab¹, Thimar Malik Khudhair²
766-771

 Pdf

Aging Influence Mitochondrial Dysfunction and Oxidative Stress through Check Some Proinflammatory Cytokines Levels and Oxidant Status in Older Adults: an Observational Study

Kaniaw R. Khafar¹, Esmail S. Kaakey²
772-777

 Pdf

Robust Bayesian Estimators For Survival Function Under Prior Data Conflict With Practical Application in the Health Side

Entsar Arebe Al.Doori¹, Ahmed Sadoun Mannaa¹
778-779

 Pdf

Phenotypic detection of AmpC β -lactamase in Pseudomonas aeruginosa isolated from Burns and Wounds in Al-Rumetha Hospitals

Abeer Mohammed Ali Al-garawyi

790-797

 Pdf

Assessment Knowledge of Thalassemia Care Giver in Kirkuk City

Idrees Hasan Mohammed

798-802

 Pdf

Evaluation the Effect of Nano Yttrium Oxide Addition on the Mechanical Properties of Room Temperature-Vulcanized Maxillofacial Silicone Elastomers

Yasir N. Al-Mohammad

803-809

 Pdf

Immunohistochemical Correlates of Epidermal Growth Factor Receptor Mutations in Lung Adenocarcinoma in Iraq Patient

Sabreen Saleem AbdAlkreem Alsaqi¹, Merza Hamza Homady Almurshidi¹, Rand Muhammed Abdul-Hussein Al-Husseini¹

810-815

 Pdf

Depression in Relation to Serum Ferritin a Cross-sectional Study at Najaf Governorate

Ashwan Abdulzahra Hashim

816-821

 Pdf

Histological Evaluation the effectiveness of Aloe Vera oral gel Application on Gingiva Subjected to Dental Light -emitting Diodes

Noor Abdulkareem Razouki¹, Rawaa Abdul-Jabbar Mahmood¹, Hadeel Ali Mahdi², Mustafa Ghani Taher³

822-826

 Pdf

A Concordance Study between Polymerase Chain Reaction Assay and Conventional Culture-based Methods for Detection of Fusobacterium necrophorum

Muhammed Asaad Saleh¹, Haider Ali Muhammed² and Adil Ateyah Alnasrawi²

827-833

 Pdf

Do Attendances to the Medico-legal Directorate in Baghdad Referred as Alive Police Cases Have HIV Infection?

Nabeel Ghazi Hashim Al-Khateeb¹, Wisam Shakir Salman², Munjid Rezali³, Muthana A.Jaber Abdullah⁴, Aysar Sakin Abdulfattah⁵, Khalid Majeed Lafta⁶, Khalid Majeed Lafta, Ban Sabeeh Alwan⁷

834-837

 Pdf

Determination of Copper and Lead in Samples of Fungicides and Insecticides in Diyala Governorate

Zeina Gany Fadeel¹, Suaad k.Abd-Alwahab¹

838-841

 Pdf

Phytochemical Study and Evaluation of Iraqi Fennel Seed Oil as Antibacterial of Urinary Tract Infection

Baydaa H. Abdullah¹, Ibrahim S. Abbas, Thamer Mouhi Jasiem²

842-846

 Pdf

Detection Antimicrobial Susceptibility Patterns of Bacterial Species Isolated from Burns and Wounds Infections in Basrah Hospitals

Ghassan Al-Khany

847-851

 Pdf

Evaluation Protective Role of Salvia officinalis Silver Nanoparticles Against Toxic Effect of Bisphenol a in Female Rats

Hussein Abdulmageed Raheem¹, Rana Fadhil Mousa², Ayyed Hameed Hassan²

852-857

 Pdf

Assessment of the Needs among Families of Martyrs of Terror Victims in Al Furat Al Awasat Governorates / Iraq

Dalal Z. H.¹, Hussein J.M²

858-861

 Pdf

The Psychological, Mental and Physical Effects of Defamation Crimes and Their Severity on the Health of the Iraqi Individual

Ammar Saleem Abid Hamza¹, Noori Saadoon Abdulla², Thaaer Ahmed Hassoon³

862-867

 Pdf

New Diaz Coupling Reaction, Cloud Point Extraction Spectrophotometric Determination of Sulphadimidine Sodium in Pure form and Pharmaceutical Preparation with Salicylic Acid as the Coupling Reaction

Esraa Amer Kadhim ¹, Saadiyah A. Dhahir², Muna S. Sando²

868-874

 Pdf

The Relationship of Refereeing Performance of the Leading Personality and Thyroxin Hormone Level for Football Referees (First Division)

Ali Mahdi Hassan¹, Ali Hussein Ali², Hayder Naji Habash Alshawi³
875-878

 Pdf

Effect of Topical Simvastatin Therapy on Patients with Psoriasis

Sundus Hakim Abd¹, Sarmad Nory AL-Dujaly², Haider A. AL-Sabak³
879-885

 Pdf

Multiplex PCR for detection of the predominant diarrheacausing protozoa (*Giardia intestinalis*, *Entamoeba histolytica*, and *Cryptosporidium parvum*) in fecal samples of cattle from Babylon Province, Iraq

Nawras Abdul Bari Madlol¹, Qassim Jawad Ameer²
886-889

 Pdf

Study on Breast Cancer Patients and Some Variables in Babylon Province

Zainab Kareem Al-Kazazz¹, Zainab Naser Nabat¹
890-893

 Pdf

Knowledge about Obstetric Warning Signs during Pregnancy among Mothers Attending the Primary Health Care Centers in Hilla City

Zainab Ali Hussein Al-Ali¹, Salma Kadhum²
894-901

 Pdf

EEG Changes in Neonatal Hypoxic Ischemic Encephalopathy

Rand Jassim Mohammed Alwatefi¹, Farah Nabil Abbas², Adnan Handhil Aljothery³
902-908

 Pdf

Knowledge Attitudes and Barriers of Undergraduate Medical Students towards Research in University of Babylon

Nadia H. Sahib¹, Hasan Alwan Baiee², Hadi Mohammad Ali Al mosawi², Zaid Amjed Al-husseini³
909-915

 Pdf

Study of Some Hematological and Biochemical Parameters in Children with Thalassemia in City

of Karbala

Wafaa S.H. AL-Nasrawi 1, Taghreed A. Najm2 , Alyaa A. Kadhum3

916-919

 Pdf

A Comparative Study in Psychological Burning among Football Referees And Football Referees of First Class Halls in Southern Zone in Iraq

Ahmed Sa'ad Abdul Razak 1 , Ali Hussein Ali 1, Anmar Atshan Khargan2 , Asmaa Sattar Khudhair2

920-924

 Pdf

Drug Addiction and the Most Important Diseases that affect Human Mental, Mental and Physical Health in Iraqi Society

Ammar Saleem Abid Hamza1, Fatima Abid Ali2, Thaaer Ahmed Hassoon3

925-930

 Pdf

Human biotoxic, Human Reproduction Effects and Biomarkers to Assess the Health of the Ecosystem by Estimate the Ratios of Heavy Elements

Haider Mashkooor Hussein

931-936

 Pdf

Histological Study of the Adrenal Gland of the Adult Female Rabbit (Oryctolagus Cuniculus)

Faiza Jabar Joda1, Ahmed obaid Hossain2

937-941

 Pdf

The Effect of Physical Exercises According to Deny Foot to Improve Some Skillful and Muscular Abilities among Fencing Young Players

Muna Ihsan Muhammad Baqr1, Ali Naeem Ajeel2, Anmar Atshan Khargan3

942-948

 Pdf

Assessment of Primary School Teachers' Knowledge Towards Post-Traumatic Stress Disorder among Pupils In Mosul City

Nawaf Mohammed Dhahir1*, and Saja Hashem Mohammed2

949-953

 Pdf

Predictors of Bone Mass Density in Patients with Chronic Obstructive Pulmonary Disease

Ahmed Hussein Jasim1, Amjed H. Abbas2, Mohammed Mahmood Abbas3

954-959

 Pdf

Quality Assessment of Commercial Fruit Juices and Health Hazards in Slemani City- Kurdistan Region/ Iraq

Kawa Khwarahm Hamafarj 1, Kadamkheer Tawfiq Aziz 2, Attallah Omar Qasem3, Halgord Ali M. Farag4
960-964

 Pdf

A Questionnaire-Based Survey Assessment of Iraqi Dentists Using Repair Versus Replacement of Defective Composite Restoration

Huda M. Al-Badri1, Zainab Mahmood Mansi1, Raghad A. Alhashimi2
965-970

 Pdf

Assessment of the Level of Spirituality among the Patients with Major Depressive Disorder in Sulaimani City

Taha Ahmad Faraj*1, Professor Dr. Salwa Shakir Muhsin 2
971-976

 Pdf

Isolation and Diagnosis of Some Dermatophytes Using Nitrogen Base Tracking Technique (Scquence)

Saba kadhim Naser1, Meethaq Staar Abood2
977-984

 Pdf

Nursing Student's Satisfaction of Nursing Program in the Euphrates

Dr. Hussein Jassim Mohammed1, R.N Kadhim Hussein Jassim2, Salah Saeed3, Mohammed Abass4
985-991

 Pdf

Relationship Between Nasal Septum Deviation angle and it is Effect on Maxillary Sinus Volume in Sulaimani Population

Lamia alnaqib1, Nasir abdul alla2, Shara Mustafa haji karem3, Salah Qadir Mahmood4
992-995

 Pdf

Detection of the vaginal microflora in Pregnant and nonpregnant women using culture-independent method

Adnan H. Aubaid1 , Samira R. Gahadeer2 , Noor M. Jabbar2
996-1001

 Pdf

Detection of mec A ,van A and van B genes of Staphylococcus aureus Isolated from Patients in Al Muthanna Province Hospitals

Adnan H.Aubaid 1, Ziadoon H. Mahdi 2, Tabarek S. Abd-Alraoof 2, Noor M.Jabbar 2
1002-1008

 Pdf

Client's Attitude Regarding Antibiotics Misuse in Primary Health Care Centers

Alia'a Neamah Abo Alshon1, Naji Yaser Almiahi2
1009-1011

 Pdf

Hemostasis in sickle cell disease

Nawal Khalil Ibrahim1, Awatif Radhi 2, Nehaya Mnahi Al-Aubody3
1012-1014

 Pdf

Assessment of Primary Schools Teachers' Knowledge and Attitudes toward Communicable Diseases Prevention and Control at Primary Schools

Mohammed Abbas Hussein1, Muna Abdul Wahab Khalil2
1015-1021

 Pdf

Developing the Rear Circular Motion According To Auxiliary Device In The Ground Gymnastics

Wahab Abdul Wahhab Abdul Wahid1, Imad Kadem Yasser2
1022-1025

 Pdf

The Effect of Different Cement Space on the Fracture Strength of Two Different Types Zirconium CAD/CAM Crowns

Dalia Abdalreda Sadiq1, Lateef Essa Alwan2 , Abdul Kareem J. Al-Azzawi3
1026-1032

 Pdf

Compliance of Hypertensive Patients with Medications at Marjan Teaching Hospital in Babylon Governorate

Nibras.H. Abdel-Hussein1, Gossoon J. Elywy2
1033-1038

 Pdf

Immunization Status of Children Under 6 Years Old in Holly Karbala Governorate

Muhsan Sahib Salih Almusawi
1039-1042

 Pdf

Spectrophotometric Determination of Isopropamide Iodide based on Ion-pair Complex Formation with Thymol Blue

Wasan Ajam Hannoun¹, Khalid Waleed S. Al-Janabi²
1043-1049

 Pdf

Effects of Sulfonylureas Treatment on Apoptosis, Total Superoxide Dismutase activity and Some Biochemical Parameters in Type 2 Diabetic Patients

Noor Khalid Zaidan¹, Perry H. Saifullah²
1050-1055

 Pdf

An analytical Study of the Maximum Force Variable on the walkway of the (100, 1500 and 5000 m Sprinters For Applicants)

Assist. Prof. Dr. Haider Fayyadh Alamiri
1056-1061

 Pdf

An optimized Retina Recognition Technique Based on PSO Inspired Algorithm

Suhad Fakhri Hussein
1062-1071

 Pdf

Role of TNF alpha and IL-6 in Inflammatory Process after Tooth Extract in Children Under 12 Years

Saad Mohammed Sulaiman¹, Ahmad Orkhan Hasan¹, Noora Abdulrazzaq Naji¹
1072-1075

 Pdf

Effect of Psychoeducational Program on Eating Disorder Behaviors and Severity Level of Depression: A Quazi Experimental Study

Shwan Asaad Qadir¹, Salwa Shakir Muhsin²
1076-1083

 Pdf

Effect of High Trace Element Levels in Serum of Women Undergoing Intra-cytoplasmic Sperm Injection (ICSI) on Implantation Rate

Lana Nazar Abdul-Razzaq¹, Khalid Mahdi Salih², Bushra Jawad Al-Musawi³.
1084-1089

 Pdf

Effect of Copper Nanopartical and Magnetized Salty Water in Chlorophylls and Carotenoids content of Tomato (*Lycopersicon esculentum* L.)

Noora I. H. Al-Shemmary¹, Basheer A. H. Al-Alwani², Rihab E. Kadhim²
1090-1096

 Pdf

Effectiveness of an Educational Program on Physically- Disabled Fighters' Quality of Life at Rehabilitation Military Center in Al-Basra City

Mukdad Ali Hamead¹, Hala Saadi Abdul Wahid²
1097-1104

 Pdf

Antibacterial Activity and Phytochemical Screening of Iraqi *Taraxcum Officinale* L

Hayder Yousif Falih¹, Suhad Y. Abed², Saba adnan Abbas³, Thamer Mouhi Jasiem⁴
1105-1109

 Pdf

Effect of Different Resin Luting Materials on the Marginal Fit of Lithium Disilicate CAD/CAM Crowns (A Comparative Study)

Manar M.Alajrash¹, Mohammed Kassim²
1110-1114

 Pdf

Antibacterial and Antifungal Activities of *Centaureabругuierana* (Asteraceae) from Iraq

Shaima H. A. ALAbbasi¹, Talib O.H. Al-Khesraji², Sirwan H.Salih³
1115-1119

 Pdf

Colorimetric Determination of Uric Acid in Live samples

Abbas Shebeeb Hasan Al-kadumi¹, Jwan O. Abdulsattar², Khitam J. Nabhan³
1120-1127

 Pdf

Control of Risk in the Process Loading / Unloading In. Pelindo Iii Surabaya

Achmat Kuncoro¹, Endang Dwiyaniti¹, Abdul Rohim Tualeka¹
1128-1134

 Pdf

An Investigation into the Effect of Multimedia Training on the Knowledge and Self-Efficacy of Children with Asthma

Ahmadreza Zarei¹, Afshin Ostovar², Fatemeh Alhani³, Faezeh Jahanpour⁴
1135-1140

 Pdf

Determination of Safe Level of Benzene Concentration in Mechanics Workshop “X” Tembalang Semarang

Aisy Rahmania¹, Abdul Rohim Tualeka¹
1141-1147

 Pdf

Andrographolide and its Attributes Against Triple-Negative Breast Cancer: A Review of the Literature

Alhakam A. Aljarrah¹, Norliza Nik², Siti Norasikin M Nafi²
1148-1152

 Pdf

Cortisol And Psychological Factors in Etiology of Lichen Planus

Alhakam Ibrahim¹, Hajer Ibrahim¹, Shakir J. Al-Saedy²
1153-1159

 Pdf

Purification of L-Glutaminase from Bacillus sp. B12 and study its properties

Alyaa Abdelhameed¹, Rana Alqaysi¹, Hiba Ali Hilal², and Nada Alharbi³
1160-1166

 Pdf

The Role of immunohistochemical Expression of monoclonal VE1 antibody in detecting the BRAF gene mutation in patients with colorectal carcinoma.

Ammar Eesa Mahdi¹, Hadeel A. Karbel², Sura Salman Ejam³
1167-1174

 Pdf

Evaluation the Effects of Zingiber officinale L. as a feed Additive on Growth and Some Serum Biochemical Profiles of Cyprinus carpio L

Eqbal Salman Najem¹, Sabah Mahmood Hamad Al-Shammari², Ali M. Kane³
1175-1180

 Pdf

The Infestation Study of Oestrus ovis L. 1761 in Sheep of Al-Amara Region, Maysan Province, South of Iraq

Hussain A. Mhouse Alsaady¹, Aswan Al-Abboodi², Ayat Awdaa³, Mohammed Rshak³
1180-1187

 Pdf

Development and Preparation of ciprofloxacin Drug Derivatives for Treatment of Microbial

Contamination in Hospitals and Environment

Aseel Mahmood Jawad¹, Nagham Mahmood Aljamali², Saher Mahmood Jwad³

1188-1194

 Pdf

Comparison of Surgical Outcomes between Patients Treated with The Harmonic Scalpel and Ligasure Device During Total/ Near Total Open Thyroidectomy

Aseel Mahmood Jawad

1195-1201

 Pdf

Safe Concentration of Benzene Exposure Based on Safe Human Dose of Workers in The Paint Manufacturing Industry Sidoarjo, East Java, Indonesia

Ayu Prima Kartika¹, Vivi Budiarti¹, Achmat Kuncoro¹, Charles Kimura¹, Abdul Rohim Tualeka²

1202-1206

 Pdf

Determination of the Health Costs of Effective Detoxification Based on Effective Doses of Benzene Exposure To workers in oil and gas mining companies, Central Java, Indonesia

Ayu Prima Kartika¹, Vivi Budiarti¹, Achmat Kuncoro¹, Charles Kimura¹, Abdul Rohim Tualeka²

1207-1212

 Pdf

Relationship of Hot Work Climate with Employee Blood Pressure in Binat Installation, Dr. Sardjito

Charles Kimura¹, Ledita Sartika Goddess², Zikri Fathur Rahman¹, Abdul Rohim Tualeka¹

1213-1217

 Pdf

Analysis of Worker's Level of Knowledge on Handling Chemicals in Oil and Gas Industry Laboratory of Pt "X" Indonesia

Dani Nasirul Haqi¹, Putri Ayuni Alayyannur¹

1218-1223

 Pdf

Climate Relationship Work with Fatigue Employees Working in Laundry Plant Dr. Sardjito

Dyah Ayu Kusuman Ningrum¹, Anggita Kurniawati², Abdul Rohim Tualeka¹

1224-1228

 Pdf

Association of Noise Exposure and Physical Workload on Systolic Blood Pressure of Ceramic Industry Workers

Erike Anisa Nurshafa¹, Noeroel Widajati¹

1229-1234

 Pdf

Determination of Oxidant / Antioxidant Levels in Sheep with Hydatite Cyst in Liver

Evan Abdul Kareem Mahmood¹, Mert Handan², Mert Nihat²

1235-1238

 Pdf

Assessment of Health-Related Quality of Life Among Patients Management Program of Chronic Diseases Type 2 Diabetes Mellitus

Fajriansyah^{1,2}, Iskandarsyah A³, IM Puspitasari^{1,4}, Keri Lestari^{1,4}

1239-1244

 Pdf

Health Costs for Detoxification Benzene Exposure Workers in the Mining Oil and Gas Pt. A Balikpapan

Farhana Syahrotun NS¹, Suherdin¹, Tedi Levinrarian¹, Bella Oktavia¹, Abdul Rohim Tualeka¹

1245-1250

 Pdf

Levels of Interleukin-10 in Iraqi Childhood Acute Lymphoblastic Leukemia after Chemotherapy

Fatima Mallalah Mohammed¹, Morooj Ali Fahd², Nabaa Ali Jassim²

1251-1256

 Pdf

Correlation of Standing Work Position and Musculoskeletal Disorders (MSDs) Complaints on Rack Frame Bending Section Workers in Informal Industry of Rack Making in Surabaya, Indonesia

Genduk Lintang Rusmawarda¹, Endang Dwiyanti²

1257-1262

 Pdf

Evaluation of Quality of Nursing Documentation in Surgical Wards ?at Baghdad Teaching Hospitals

Haider M. Majeed¹, Tahseen R. Mohammed ², Raja I. Abid³

1263-1268

 Pdf

The Effect of Empowerment Program on Participation of Mothers with Premature Infants Hospitalized in Neonatal Intensive Care Unit of Sayyed Shirazi Hospital in Gorgan, in 2018

Hanieh Sajadi¹, Golbahar Akhoundzadeh², Hamid Hojjati³

1269-1276

 Pdf

In Vitro Technique for Heavy Metal, Cobalt Tolerance in Aloe Vera Callus

Hashim K. Mohammed Al-Obaidi¹, Sundus Hameed Ahmed¹, Liqaa Jameel Ibraheem¹
1277-1281

 Pdf

Risk Analysis of H2S Gas Exposure at Benowo Landfill Surabaya

Herman Bagus Dwicahyo¹, Lilis Sulistyorini², Abdul Rohim Tualeka¹
1282-1286

 Pdf

The Influence of Age, Time off and Pesticides Exposure on Haemoglobin Levels on Vegetable Farmers in Landasan Ulin Utara Subdistrict Banjarbaru City

Herry Cahyadi¹, Achmad Rofi'i², Eko Suhartono³, Husaini⁴, Meitria Syahadatina Noor⁵
1287-1291

 Pdf

Impact of Salmonellosis on Antineutrophil Cytoplasmic Antibodies, Alkaline Phosphatase and Lactic Dehydrogenase

Khalil Ismail A. Mohamed¹, Saad Hasan Mohammed Ali¹, Wifaq M. Ali Al-Wattar¹, Suha A. Al-Fukhar¹ and Jinan M. Mousa¹, Basim.M.Ibrahim²
1292-1297

 Pdf

Preparation and Characterization of Some Complexes with New (Azo-Schiff base) Ligand and Study of Complex as Anticancer

Layla Ali Mohammed¹, Muna Abass Hadi¹, Noor Alhuda Basim²
1298-1305

 Pdf

The Omega-3 Fatty Acids can Significantly Increase the Height of Children Under Five with Stunting

Lewi Jutomo¹, Bambang Wirjatmadi², Rudi Irawan³
1306-1309

 Pdf

Relations Exposure to Dust Inhalation Against Impaired Lung Function in Worker Unloading at the Port of Manado, North Sulawesi

Lili Sutanti¹, Zikri Fathur Rahman¹, Nur lailatul Masruroh², Abdul Rohim Tualeka³
1310-1314

 Pdf

Urinary Tumor Markers for Detection and Surveillance in Non-Muscle Invasive Bladder Cancer

Mohamed Jamal Saadh¹, Abeer Mohammad Kharshid¹, Hala Mousa Sbaih¹, Khalil Altaif¹

1315-1320

 Pdf

Relationship between QT Interval Dispersion and Degree of Coronary Artery Disease

Mohammed Almyahi¹, Tahseen A., Alkinani², KadhumMajdi³, Falah Shaheed Azzawi⁴, Ahmed Basheer⁵
1321-1328

 Pdf

Measurement of Interleukin 17a and Transforming Growth Factor- γ 1 and Its Relation to Disease Activity in Systemic Lupus Erythematosus Patients

Mohammed.T. Alaanzay¹, Jinan .MJ.Alsaffar², Ahmed AbdulBari³
1329-1334

 Pdf

Device-associated Infections (DAIs) in ICU: Using new CDC/ NHSN definitions

Mostafa Mohammadi¹, Arash Seifi², Maryam Mokhtaryan³, Azam Ghahan⁴, Sara Ghaderkhani³, Esmail Mohammadnejad⁵, Reza Ghanei Gheshlagh⁶

1335-1340

 Pdf

NOAEL Benzene in White Mice as the Basis for Determining the Safe Limit of Benzene Concentration in the Pulogadung Shoe Industry Home in Jakarta

Muh. Arfandi Setiawan¹, Herman Bagus¹, Aisy Rahmania¹, Cut Suci¹, Carmelita Agustin¹, Abdul Rohim Tualeka¹

1341-1346

 Pdf

The Relationship between Heat Stress and Dehydration in the Continous Casting Machine Section of Pt X

Muhammad Cahya Nur Siddiq¹, Mulyono¹

1347-1352

 Pdf

The Effect of CHOP Chemotherapy Implementation Towards Reduced Global Longitudinal Strain in Non-Hodgkin Lymphoma

Muhammad Perdana Airlanga¹, Rochmad Romdoni¹, Ami Asharianti²

1353-1358

 Pdf

Effect of Metronidazole on Clopidogrel Bisulphate Efficacy in Male Albino Rats

Saddam Jumaa Nasser¹, Muhammed M. Al-Ani², Mohammad Sinjar Farhan³

1359-1363

 Pdf

The Influence of Slow Back Stroke Massage, Cold-compress and Warm-compress to the Level of Prostaglandin F2? (PGF2?) in Primary Dysmenorrhea

Mukhoirotin1, Kurniawati1, Diah Ayu Fatmawati1
1364-1369



Enhanced the Antibacterial and Mechanical properties of UHMWPE by Addition Sort Fibers of Polyacrylonitrile PAN, Graphene Nanoplate (GNP) and Hydroxyapatite (HAp)

Najim A. Saad1, Massar Najim Obaid1
1370-1376



The Relationship of Age, Working Periode, and Work Attitude with Complaints of Carpal Tunnel Syndrome on Workers in the Sumenep Batik Industry Indonesia

Nanik Khomairoh1, Noeroel Widajati2
1377-1382



Comparative Analysis Study of Different Positions by Hands and Feet on Functional Mobility Assessed by Five Times Sit to Stand Test on Post-Stroke Patients

Nini Natalia Li1, Bayu Santoso2, R. A. Meisy Andriana3
1383-1388



Relationship between Fatigue and Musculoskeletal Complaints on Pedicab drivers in the Pedicab Association Solo Balapan Station

Nowini Miriam Suaebo1, Kinanti Anggraini Dewi2, Abdul Rohim Tualeka1
1389-1393



A Selective Membrane Electrode for Iodide Ion based on New Ionophore and its Application to Pharmaceutical Samples

Omid Hossieni1, Sayed Aboalfazl Maashi2, Narges Chamkouri1* Zolfaghar Sabati2, Pardis Nourbakhsh2, Mohammad Sajedinejad2, Avishan Gholamiyan1
1394-1399



Rituximab in the Treatment of Refractory Myasthenia Gravis : Studying the Outcomes using MMT Score and Need for Plasmapheresis in Baghdad Teaching Hospital

1400-1405



Assessment of Nurses' Knowledge toward Nursing Intervention for Eye Trauma at Baghdad Teaching Hospitals

Ahmed F. Hassan¹, Tahseen R. Mohamed², Aqeel H. Jassim²

1406-1410

 Pdf

Anti malignant (HepG2, MOLT-3) Activity of One, Two, Three- Triazoles New Prepared Bearing Hetero Compounds in Baghdad

Ahmed Sa'adi Hassan

1411-1418

 Pdf

Forensic Human and Non-human Blood Discrimination using Mitochondrial 12S rRNA gene

Ameer K. Idan¹, Hussein O.M. Al-Dahmoshi²

1419-1426

 Pdf

Antifungal Activity of Crude and Phenolic Extract to Rice Crusts and Chemical Pesticide (Blitinate) in Inhibition of Fungi Isolate from Rice Seeds

Angham Najah Al-khafaji¹ Athraa Harjan Muhsin², Mays Talip Abdallah³

1427-1433

 Pdf

Identification of Farnesoid X Receptor as a Novel Nuclear Receptor Sensing for Gallstone Diseases

Antesar Rheem Obead¹, Maha Fahdil Mohammed², Mohend AL. Shalah³

1434-1439

 Pdf

Comparision between Nonvisualized Finding of 3D-Tof Mrv Cerebral and Cerebral Angiography Result

Arif Shidiq¹, Anggraini Dwi Sensusiaty¹

1440-1446

 Pdf

Investigating the Effect of Short-Term Educational Program on Readiness of Patient's Candidate for Endoscopy

Arsalan Rostami¹, Ali Khorshidi², Ghobad Abangah³, Mosayeb Mozafari⁴

1447-1451

 Pdf

In silico Analysis of "Interferon Beta 1" In some Selected Animal Species

Ashraf Fadhil Jomah¹, Sepideh Parvizpour², Jafar Razmara³

1452-1457

 Pdf

Rapid Qualitative Test for Drunkenness Detection and the Presence of Alcohol in Beverages

Ausama Abbas Faisal¹, Maher Ahmed Abed², Khalid Jamal Abdulwahab³

1458-1460

 Pdf

Nurses' Knowledge Regarding Prevention of Surgical Site Infections at Baghdad Cardiac Centers and Hospitals

Bassima A. Naji Msc¹, Aqeel H. jasim², Ayad M. Moussa³

1461-1466

 Pdf

Molecular Docking, Pharmacokinetics, and Toxicity Prediction of Epigallocatechin-3-Gallate (EGCG) on IKK Receptor in Photoaging Prevention

Damayanti^{1,2}, Cita Rosita Sigit Prsakoewa², Djoko Agus Purwanto³, Anang Endaryanto⁴, Siswandono³

1467-1473

 Pdf

Correlation between High Serum Uric Acid Levels with Occurrence of Diabetic Peripheral Neuropathy in Patients with Type 2 Diabetes

Mudjiani Basuki¹, Muhammad Hamdan¹, Fidiana¹, Fadil¹, Deasy Putri Sukarno¹

1474-1479

 Pdf

Nephrotoxicity Effects of Post-Cisplatin Paclitaxel Chemotherapy in Severe Head and Neck Tumor

Des Dwiputra Effendy¹, Soeprijadi¹

1480-1484

 Pdf

Correlation of CD4 and Distal Sensory Polyneuropathy in HivAids Patients

Desti Ariani Kistanti¹, Paulus Sugianto¹, Erwin Astha Triyono²

1485-1489

 Pdf

Legal Efforts on Forensic Examination of the Death of Polling Station Working Committees (KPPS) Members

Dewi Iriani¹, Abdul Kadir¹, Agus I Supriyanto¹, Ahmad Arifin¹, Made Wira Suhendra¹

1490-1495

 Pdf

The Burden of Toxoplasma Gondii In Spontaneous Miscarriage and its Association with Rhoptry

Protein 5 Gene and Toxoplasma gondii specific primers GRA 6 Gene Expression in Iraq Women

Dhamyaa Kareem Kadhim¹, Abdulsada Abdulabbas Rahi¹

1496-1500

 Pdf

Changes of Interleukin-6 (IL-6) and Immunoglobulin G (igG) in Respiratory Exercise

Didik Agus Santoso¹, FM. judajana¹, Elyana Asnar²

1501-1506

 Pdf

Association between Stretching Exercise with Virtual Reality Game and Over Head Pulley of Frozen Shoulder Patients

Donny Gunawan¹, Reni Hendrarati Kusharyaningsih¹, Noor Idha Handajani¹

1507-1512

 Pdf

Correlation of Serum Alkaline Phosphatase, Lactate Dehydrogenase, C-Reactive Protein, Blood Deposition Rate, β -Hcg Expression and Tumor Volume to Lung Metastasis Risk in Osteosarcoma Patients

Achmad Fachrizal¹, Dwikora Novembri Utomo¹

1513-1517

 Pdf

Effect of Amniotic Membrane-Derived Mesenchymal Stem Cells on TNF- α Expression and Inflammatory Cells Infiltration during Vesicovaginal Fistule Repair Healing Process

Eighty Mardiyana Kurniawati¹, Agung Nur Rachman W¹, Budi Santoso¹, Harry Parathon¹, Widjiati², Fedik A. Rantam², Tri Hastomo¹

1518-1522

 Pdf

suPAR is a Bad Omen for Chronic Kidney Disease Progression

Ekhlas Abdallah Hassan¹, Fayhaa M. Khaleel²

1523-1530

 Pdf

Interventions on Women Under Intimate Partner Violence: An Integrative Review

Elaheh Asadi-Bidmeshki¹, Jamileh Mohtashami², Foroozan Atashzadeh-Shoorideh², Meimanat Hosseini³

1531-1535

 Pdf

The Effectiveness Comparison of Valproic Acid 500 mg and Amitriptyline 15 mg in Reducing the Frequency of Headache Attack in Patients with Tension-Type Headache

Elsa Susanti¹, Isti Suharjanti¹

1536-1540

 Pdf

Decrease of Epstein-Barr Virus Anti Early Antigen Immunoglobulin a Levels and Primary Tumor Size in PostCisplatin-Paclitaxel Chemotherapy in Nasopharyngeal Carcinoma Patients

Elvi Syahrina Fiorisa¹, Achmad Chusnu Rhomdhoni¹, Budi Sutikno¹, Anggraini Dwi Sensusiati¹
1541-1545

 Pdf

Correlation of Cardiorespiratory Fitness Levels with Functional Mobility Ability in Post Thrombotic Infarction Stroke Patient

Eny Susilowati¹, Reni Hendrarati Kusharyaningsih², Dewi Poerwandari²
1546-1551

 Pdf

The Early Detection in Gestational Diabetes Mellitus at Indonesia Primary Health Care

Erni Rosita Dewi¹, Budi Prasetyo², Muhammad Ardian Cahya Laksana², Hermanto Tri Joewono², Ivon Diah Wittartika¹
1552-1556

 Pdf

Observation of Oral Contrast Media Filling Into Lumen Appendix

Faradilla litaloly¹, Hartono Yudi Sarastika¹
1557-1560

 Pdf

Study the Biological Efficiency of an Isolated Terpenic Compound from the Ether Petroleum Extract and the Trace Elements of the Plant Tribulusterrestris

Fatima S.Sabah Eman A.Mukhaifi
1561-1566

 Pdf

Medico-legal Significance of Diatoms Detection in Different Organs of Drowning Victims

Haidar N. Hussein¹, Nabeel G. Hashim², Niran M. Ahmed³
1567-1573

 Pdf

Evaluation of Nurses' Knowledge and Attitudes toward Pain Management at Baghdad Teaching Hospitals

Haider M. Majeed¹, Ahmed F.Hassan¹, Raja I. Abid²
1574-1579

 Pdf

The Effect of Empowerment Program on Participation of Mothers with Premature Infants Hospitalized in Neonatal Intensive Care Unit

Hania Sajadi¹, Golbahar Akhundzadeh², Hamid Hojjati³
1580-1585



Association of Diffusion Weighted Magnetic Resonance Imaging Profile and Apparent Diffusion Coefficient Value with Brain Tumor's Histopathology

Hartati Rusmi Tri Wilujeng¹, Anggraini Dwi Sensusiaty², M. Yamin Sunaryo Suwandi³
1586-1593



Mitochondrial 16S rRNA gene-dependent Blood typing as a Forensic Tool

Hayder J.H. Al-Nayili¹, Hussein O.M. Al-Dahmoshi²
1594-1602



Curcumin Improves the Regulation of Ovarian Folliculogenesis in Culture Media with Peritoneal Fluid from Infertile Women with Endometriosis

Hendy Hendarto¹, M Yohannes Ardianta Widyanugraha¹, Widjiati², Soehartono Darmosoekarto¹
1603-1608



Correlation of Fugl-Meyer Assesment Score with Barthel Index and Functional Independence Measure in Patients with Stroke

Husnul Mubarak¹, Noor Idha¹, Bayu Santoso¹
1609-1614



Determination of Priority Elements of Vigilance in the Use of Pesticides based on Difficulty and Usefulness (A Supporting Study for Law and Policy in Health)

Ilyas Ibrahim¹, I Ketut Suidiana², H J Mukono³, Suhartono⁴, Heru Santoso Wahito Nugroho⁵
1615-1619



The Association Between Myoglobin, Troponin I, Hfabp and Nt-Probnp Levels with Acute Myocardial Infarction in Patients with Acute Coronary Syndrome

Ime Fransiska Adidharma¹, Jusak Nugraha¹, Muhammad Aminuddin¹
1620-1627



Evaluation of Some Inflammatory Cytokines and Glycated Hemoglobin in Uncontrolled Type 2 Diabetes Mellitus with Nephropathy

Inaam Ahmed Ameen¹, EmanSaadi Saleh¹, Sarah Hashim Mhaibes¹, KaledNather Taha², Dhikra Abdul Hameed Dawood², Hawaa Salman Kamil²
1628-1632

 Pdf

Journal of Forensic Medicine & Toxicology, April-June 2020, Vol. 14, No. 2 1633 The Impact of High Cortisol Level in Increasing Incidence of Infection Cases among Acute Stroke Patients

Indah Ari Handaayani¹, Joseph Eko Wahono Rahardjo¹, Muhammad Hamdan¹, Paulus Sugianto¹, Achmad Firdaus Sani¹, Mohammad Saiful Ardhi¹
1633-1637

 Pdf

Time Recommendation and Alternative Parameters for Severe Maxillofacial Trauma Reconstruction

Indri Lakhsmi Putri¹, Magda Rosalina Hutagalung¹, Ida Bagus Narmada², David Sontani Perdanakusuma¹
1638-1642

 Pdf

Development of Geogebra Learning Media Based on Statistical Reasoning on Statistics Materials of Junior High School Students and its Influence for the Inteligent of Student

Intan Sari Rufiana¹, Cholis Sa'dijah², Subanji³, Hery Susanto⁴
1643-1648

 Pdf

The Association between Blood Glucose Control Measured with Serum Hna1c Level with Peroneal Motor Nerve Conduction Velocity in Patients with Type 2 Diabetes Mellitus with Polyneuropathy

Muhammad Hamdan¹, Raini Wisnujono¹, Mudjiani Basuki¹, Fidiana, Fadil¹, Intan Sudarmadi¹
1649-1654

 Pdf

Decrease of Sensorineural Hearing Frequency and Cochlear Hair Cell Function in Malignant Head and Neck Tumor Post Cisplatin Chemotherapy Series II

Irawati¹. Bakti Surarso¹.Haris M. Ekorini¹
1655-1661

 Pdf

Thiophene-Cyclic and Sulfazane Derivatives (Preparation, Spectral Analysis, the Behavior in Organic Solvents, Microbial Testing)

Jalal Hasan Mohammed¹, Alaa Jawad Kadhim², Nagham Mahmood Aljamali³
1662-1669

 Pdf

Diagnostic test of Brief Peripheral Neuropathy Screen as Distal Sensory Polyneuropathy-HIV

Diagnostic Tool

Joko Rudyono¹, Mudjiani Basuki¹, Erwin Astha Triyono²

1670-1675

 Pdf

Relation of Homocysteine With Malondialdehyde and Dyslipidemia in Type 2 Diabetic Patients with Coronary Artery Diseases

Khalid Shaalan Sahab¹, Ali S. Mahmoud Al-Saadi¹

1676-1680

 Pdf

Determination of Some Biomarkers that affect in Behaviors of Autism Spectrum Disorder Individuals in Iraq

L. Basim M. Ali¹, Iqbal Jasim Badr Alasadi¹, Sameerah Ahmed Zearah¹

1681-1686

 Pdf

Detection of VT1 and VT2 genes in Escherichia coli isolated from Diarrhea Patients in AL-Anbar, Iraq using PCR Sequencing

Laheeb Rajab Hamad¹, Muthanna Hamid Hassan², Abdalwahab Bdewi Hussain³

1687-1693

 Pdf

Correlation between the Duration of Ethambutol Therapy and the Toxic Optic Neuropathy Occurene in Patients with Multidrug-Resistance Tuberculosis

Muhammad Hamdan¹, Eko Wahono R.¹, Kurnia Kusumastuti¹, Laily Irfana¹

1694-1698

 Pdf

Macrophage Activity and Histopathological Differences of Lung Tissue on Sequential Co-infections of Heligmosomoides Polygyrus Nematode on Mycobacterium Tuberculosis Infection

Laksmi Wulandari^{1.2}, Muhammad Amin¹, Soedarto³, Gatot Soegiarto^{2.4}, Kenji Ishiwata⁵

1699-1704

 Pdf

Nurses' Knowledge Regarding Pneumonia in Children Under Five Years of Age at Pediatric Wards in Kirkuk Teaching Hospitals

Luay Amjed Mahmood Al-Waly¹, Mohammed Ahmed Sultan Al-Wily¹, Radhwan Hussein Ibrahim²

1705-1710

 Pdf

The Effectiveness Comparison of Desloratadine and Loratadine in Reducing Total Nasal Symptom Score and the Level of Interleukin 4 in the Nasal Secretions of Allergic Rhinitis Patients

Luh Putu Dhena Purwaningsih¹, Dwi Reno Pawarti¹, Bakti Surarso¹
1711-1716

 Pdf

Prevalence of Dermatophytes Fungal Infection among Different Gender

Luma T. Ahmed¹, Zahraa A. Darweesh¹, Wathiq M. Hussain²
1717-1722

 Pdf

Risk Factors of the Elderly Falling in Public Hospitals: A Systematic Review Study

Masoumeh Otaghi¹, Zahra Mohammad-Niakan², Sanaz Aazami¹, Ali Khorshidi³
1723-1727

 Pdf

Effect of Web-Based Early Diagnosis of Dental and Oral Diseases with Validity Level of Dentist Final Diagnosis in Public Health Center, Makassar, Indonesia

Masriadi¹, Dolly Indra², Harlinda²
1728-1735

 Pdf

Association between Intelligence Level and Handicap Degree in Epilepsy Patients

Meity Meiliyanny Beslar¹, J. Eko Wahono¹, Isti Suharjanti¹, Paulus Sugianto¹, Riani Wisnujono¹
1736-1741

 Pdf

Effect of Glutamine Before Gets Cisplatin on Aif and Bcl-2 in the Evidence of Apoptosis Cell Tubulus Proximal in Rats Kidney of Rattus Norvegicus Strain Wistar

Michael Lumintang¹, Endang Joewarini¹, Sunarni Zakaria², Gunawan Widodo³, Imam Susilo⁴
1742-1746

 Pdf

Association between Soluble Contents CD40 Ligand (sCD40L) and Acute Coronary Syndrome (ACS)

Mirza Elita¹, Muhammad Aminuddin¹, Jusak Nugraha¹
1747-1752

 Pdf

The Potential Role of Radiology in Diagnosis of Traumatic Versus Non-Traumatic Cerebral Hemorrhages for Medicolegal Application

Mohamed Khairy¹, Dina A. Shokry², Ehab Abdelhaleem³, Reham Nafad Elbendary²
1753-1759

 Pdf

Comparison of Saffron versus Fluoxetine in Treatment of Women with Premenstrual Syndrome: A Randomized Clinical Trial Study

Mohammad Nemat-Shahi¹, Atefeh Asadi², Mahbobeh Nemat-Shahi³, Davood Soroosh⁴, Shakiba Mozari⁵, Hamidreza Bahrami-Taghanaki⁶, Mahsa Mehrpour⁷

1760-1765



Comparison of the Effects of Passiflora Incarnata and Piroxicam in opioids withdrawal-Induced Myalgia and Anxiety: A randomized Clinical Trial

Mohammad Nemat-Shahi¹, Seyyed Mehdi Mir Mohammadi², Davood Soroosh³, Atefeh Asadi⁴, Samaneh Nakhaee⁵, Mahsa Mehrpour⁶

1766-1770



Hematological Changes in Blood of Smokers of Cigarettes and Nargyle

Mohammed S. Hussain¹, Nuhad Mohammed Hamid², Mohammed Qais Al-Ani¹, Belal K. Muden¹, Mustafa J. Hamad-Allah¹, Omer H. Sweed¹, Suror S. Sabbar¹

1771-1776



Correlation between Hyperglycemia Stress and Short-Term Memory Function in Thrombotic Stroke Patients

Muhammad Hamdan¹, Riani Wisnujono¹, Yudha Haryono¹, Abdulloh Machin¹, Dian Puspitarini¹

1777-1781



The Difference between hs-CRP and Serum IL-6 Levels in Patients with Glaucoma and Non Glaucoma

Muhammad Riduan¹, Endang Retnowati Kusumowidagdo¹, Nurwasis¹

1782-1786



The Risk Factors Effect of Knee Osteoarthritis Towards Postural Lateral Sway

Muhammad Siddik¹, Ratna Darjanti Haryadi¹

1787-1792



Microbial Risk Assessment (MRA) As a Method of Assessment for Drinking Water Refill in Pattingaloang District of Makassar City

Alfina Baharuddin¹, Muhammad Ichsan²

1793-1798



Association of Early Nutritional Status with the Clinical Severity in Patients with Acute Stroke

Myrna Ika Purnama¹, M. Hasan Machfoed¹, J. Eko Wahono R¹
1799-1803

 Pdf

The Legal Protection of Well-Known Service Trademark (The Case of Inter-Continental Vs The Intercontinental)

Nanda Riwanto¹, Agung Sujatmiko¹
1804-1808

 Pdf

Determining the Quality of Services Provided in Delivery Room at Ayatollah Kashani Hospital (Jiroft, Iran) from the Perspective of Clients Using Service Quality Model (SQM) During Spring 2019

Narges Mahyapour Lori¹, Hourie Taheri Sarvetomin¹, Mahdiyeh Ahmadi², Sareh Mehni³, Neda Dastyar³
1809-1813

 Pdf

Correlation between Serum & Urinary Placental Protein (Pp13) in Pre-eclamptic Women at their Third Trimester

Nesreen Ahmed Nasser¹, Rayah Sulaiman Baban¹, May Fadhil Al- Habib², Risala A. Ali Jameel³
1814-1818

 Pdf

Efficacy of Acetaminophen Plus Amitriptyline Compared to Acetaminophen to Reduce Pain Intensity in Nonspecific Chronic Lower Back Pain

Nita Kurniawati¹, Isti Suharjanti², Muhammad Hamdan², Joseph Ekowahono Rahardjo², Djohan Ardiansyah², Hanik Badriyah Hidayati²
1819-1825

 Pdf

Society Perception of Pasung Behavior in People with Mental Disorders

Nur Khriesna Habita¹, Ahmad.Yusuf², Rr Dian Tristiana²
1826-1831

 Pdf

Effects of the Use Knee-Ankle-Foot Orthosis on Proprioception Function Change in Healthy Adult Male

Nuralam Sam¹, Andriati¹, Noor Idha Handajani¹
1832-1837

 Pdf

The effectiveness of Aqueous Extract of Grape Seeds Vitis vinifera as an antibiotic for some microorganisms and its Protective Role Histology for Liver, Kidney in Mice

Osama Nadhom Nijris¹, Zinah Ibrahim Khaleel¹, Swiss Yonis Hamady¹, Mohammed Ahmed Mustafa¹
1838-1845

 Pdf

Comparison of Stability And Sternum Healing Rate in Clinical and Ultrasonography (USG) between Stainless Steel Wire and Polydioxanone Yarn in Children Heart Surgery Operation

Prima Kharisma Hayuningrat¹, Heroe Soebroto¹, Paulus Rahardjo²
1846-1852

 Pdf

Discrimination the Gender in the Criminal Evidence at Crime Scene

Qutaiba S. H. AL-Ameedy¹, Noor Salman Kadhim Al-Khafaji²
1853-1857

 Pdf

Effect of Workload and Breastfeeding Motivation of Working Mothers

Rachma Anisa Ulya¹, Retnayu Pradanie¹, Aria Aulia Nastiti¹
1858-1865

 Pdf

Effectiveness of an Educational Program on Nurses- midwives' Practices about Pain Management during Labor in Baghdad Maternity Hospitals

Rajaa Tareq Hasan¹, Rabea Mohsen Ali², Ekhlash A. Hussein³
1866-1871

 Pdf

3D CBCT Analysis of Odontometric Variables for Gender Dimorphism in Saudi Arabian Subpopulation

Rakhi Issrani¹, Azhar Iqbal², Mohammad Khursheed Alam³, Namdeo Prabhu⁴
1872-1880

 Pdf

Violation of Dapek Salah Customary Law in Bengkulu: Forensic Psychological Analysis Toward The Criminal Behavior of Indigenous

Rangga Jayanuarto¹, Khudzaifah Dimiyati², Absori Absori², Natangsa Surbakti²
1881-1885

 Pdf

The Effect of Marmet Technique on Mother's Satisfaction in Breastfeeding

Rani Dwi Sulistiawati¹, Tiyas Kusumaningrum¹, Retnayu Pradanie¹, Ni Ketut Alit Armini¹
1886-1895

 Pdf

The Increase Level of Muscle Adductor in Idiopathic Vocal Cord Adductor Paralysis Post Biofeedback Vocal Therapy

Rani Maharyati¹, Irwan Kristyono¹, Muhtarum Yusuf¹
1896-1901

 Pdf

Periodontal Evaluation of One-Piece and Two-Piece Single Implant Loaded in Esthetic Zone

Rezan Anwar¹, Ziwar Al Qasab²
1902-1908

 Pdf

Effect of CaCl₂ Crosslink Solution Concentration on the Characteristics of Gelatin Alginate Microspheres

Rizka Safitri¹, Tutiek Purwanti¹, Widji Soeratri¹
1909-1915

 Pdf

Association of Adiponectin and IgE levels with occurrence of asthma in Babylon Province

Ruwaida Wahab Salman AL-Jebory
1916-1921

 Pdf

Comparison of the Total amount of Macrophages on Full Thickness Wound Bed in The Use of Tulle, Freeze-Dried Amnion, and Microbial Cellulose

Saktrio Darmono S.1, Beta Subakti Nata'atmadja¹, David Sontani Perdanakusuma¹
1922-1927

 Pdf

Evaluation of Women's Perception toward Childbirth Experience after Utilization of Pain Management Practices at Al -Elwyia Maternity Teaching Hospital

Sarab Nasr Fadhil¹, Rabea Mohsen Ali²
1928-1932

 Pdf

Mention the Treatment of Anger in Hospitalized Patients in the CCU department of Social Security Hospitals of Golestan Province

Soudabeh Aloustani¹, Leila Mamashli², Adeleh Sadeghlou³, Mohammad Reza rajablou⁴
1933-1937

 Pdf

The Comparison of Social Support Against the Life Quality of The Spinal Cord Injury Under Stress

Soudabeh Aloustani¹, Karvan Bekmaz², Adeleh Sadeghlou³, Hamid Hojjati¹
1938-1942

 Pdf

Risk Factors Related To Mastalgia

Suhad Kahdum Ali

1943-1948

 Pdf

Genetics Risk Factors and Progression of Renal Failure

Suhayr A.Alqaysi

1949-1955

 Pdf

The Diagnostic Accuracy of Phalen Test and Prayer Test in Carpal Tunnel Syndrome

Suroso Agus Widodo¹, Fatchur Rochman¹, Ratna D. Haryadi¹, Patricia Maria K1

1956-1961

 Pdf

Conservative & Operative Management of Tuberculous Spondylitis in Children

Teuku Arief Dian¹, Komang Agung Irianto²

1962-1967

 Pdf

A New Automated Approach for Early Lung Cancer Detection with Improved Diagnostic Performance – A Preliminary Analysis

Thavavel Vaiyapuri¹

1968-1973

 Pdf

Validity of Star Excursion Balance Test as Dynamic Balance Test In Subjects with Non-Operative Anterior Cruciate Ligament Injury

Yudith Dian Prawitri¹, Imam Subadi¹, Bayu Santoso^{1*}

1974-1979

 Pdf

Correlation between Parenting Styles and Peer Attachment with Aggressive Behavior Potentials in Adolescent Boys

Yunias Setiawati¹, Kusufia Mirantri¹, H. J. Mukono², Joni Wahyuhadu³, Endang Warsiki¹

1980-1986

 Pdf

Bacteriological Study of Klebsiella pneumoniae Isolated from Burn Patient in Al-Najaf City

Zahraa Hameed Oda Alquraishi¹, Basaad Abdzaid Al-Fatlawi²

1987-1993

 Pdf

Immunomodulation of IraqiLyciumbarbarium Carotene in vitro

ZainabYaseen Mohammed Hasan1; NajwaShAhmed1; Raghad K. Al-Lihaibi2
1994-2000

 Pdf

Activity of Biosynthesized Reduced Graphene Oxide against Multidrug resistant Uropathogenic Bacteria

Zina Bakir Al-Hilli1, Nawfal Hussein Aldujaili 2
2001-2007

 Pdf

Legal Protection Against Women in Sexual Violence

Absori Absori1, Fitriani Nur Damayanti2, Kelik Wardiono1, Sri Rejeki2
2008-2012

 Pdf

The Clinical Function Comparison of Post Operative Nerve Grafting and Nerve Transfer in Patients with Brachial Plexus Injury

Agung Tristyanto1, Heri Suroto2
2013-2018

 Pdf

Combination Use of Aloe Vera and VEGF Promotes Osseointegration and Stability of Titanium Implants

Athraa Y Al-Hijazi1; Zaid M.Akram2; Emad H Abdulla3
2019-2026

 Pdf

Deleted

Sinan S. Farhan1 , Watheq M Al-Jewari1 , Aiman Q. Afar2, Aiman Al-Qtaitat2
2027-2033

 Pdf

Subjective Work Fatigue Due to Hot Work Climate (A Study on Indoor Production Workers of Ud King Rack Surabaya Indonesia)

Putri Arianto1, Endang Dwiyanti1
2034-2040

 Pdf

Histopathological Assessment of Hepato-Nephrotoxicity Induced by Nano Copper Particles in Adult Male Albino Rats and the Potential Protective Effect of Alpha Lipoic Acid: A Chronic Study

Rabab Abdulmoez Amin Eltokhy¹, Mervat Hamdy Abdelsalam¹, Eman Abdelfattah Elzoheiry¹, Marwa Issak Mohamed¹, Laila Ahmed Rashed² and Reham Shehab Elnemr³.

2041-2048



Safe Concentration of Benzene Exposure to Worker's in Gas Station at the Area of Diponegoro University, Semarang

Rizki Adi Sulistyanto¹, Abdul hamid¹, Aditya¹, Dyah Ayu Kusumaningrum¹, Novvini Miriam Suaebo¹, Abdul Rohim Tualeka¹

2049-2054



Effect of Local Anesthesia and Extraction on Mouth Opening

Ali Falah Hassan

2055-2059



Physiological and Gen Study for Animals Exposed to Leaves of Plant (Eucalyptus) from Selected Locations at, Al-Nassiriy/ Iraq

Sabah H. Enayah¹, Mohammed A. Gati¹

2060-2064



Deleted

Saddam Jumaa Nasser¹, Muhammed M. Al-Ani², Mohammad Sinjar Farhan³

2065-2069



Estimation of Serum AdiponectinIrisin and Apelin in Iraqi Obese Women Patients with Polycystic Ovary Syndrome

Sarah Ibrahim Hashoosh¹, Asmaa A. Hussien², Salah Al Chalabi³

2070-2074



Deleted

Shaima H. A. ALAbbasi¹, Talib O.H. Al-Khesraji², Sirwan H.Salih³

2075-2140



Application of Infection Control Rules by Iraqi Orthodontists

Rehab adil Al-Rawi¹ Noor Nourie Abbass Abdulla¹, Fudhla Sadoon Al- Zubaydi², Bassam Alsheekhly¹

2141-2148

 Pdf

Mast cell, IL-1 Beta and IL-6 for Wound timing and Vitality in Forensic Practice

Mohammad Abdul Mohsin Jebur¹, Nabeel Ghazi Hashim², Salim R. Hamoudi Al-Obeidi³
2149-2153

 Pdf

Association between Genetic Polymorphism of 5-HTTLPR, and SGOT, SGPT and Catalase with Alcoholism of Iraqi People

Anwar A. Abdulla
2154-2160

 Pdf

Sensitive Simultaneous Estimation of Atorvastatin. Ca in Pure and Dosage Forms Via Developed CFIA Using 1,2 Naphthoquinone-4-Sulfonate as a Suitable Organic Agent

2161-2168

 Pdf

Gall Bladder Wall Thickness: Sonographic Accuracy and Laparoscopic Cholecystectomy Conversion Rate, Evaluated by Histopathology

Mohammad Faraj Dawod Al. Jafary¹, Ammar Fouad Abdulrazaq¹, Ayman Nadeem Kadum³
2169-2173

 Pdf

Evaluating the Effect of Addition of Titanium Dioxide Nanoparticle on Some Physical Properties of Flowable Composite Resin

Sazgar Srbast Qasim¹, Diyar Khalid Bakr¹, Dara H. Rasheed
2174-2180

 Pdf

Antimicrobial Activities of Green Biosynthesized Iron Oxide Nanoparticles Using F. Carica Fruit Extract

Nada Khudair Abbas¹, Azhar A. F. Al- Attraqchi², tutor Jenan Hussien Taha³
2181-2187

 Pdf

Molecular Detection of Antibiotics Resistance Genes in Burkholderia Cepacia Isolated From Diabetic Foot Infection

Maryam Riyadh Al-Muhanna¹, Mahdi Al-Ammar¹
2188-2192

 Pdf

Evaluation the Antimicrobial Effect of Glycerin Magnesia on Some Bacteria, in-Vitro Study

Maher Saber Owain1, Khalid Ismael Olewi2, Ali Ghazi Atiyah1, Mustafa Salah Hasan1

2193-2196

 Pdf

The Role of CTX-II , Dyslipidemia ,Vitamin D in Polycystic Ovary Syndrome

Samah Amer Hammood1 Alaauldeen S. M. AL-Sallami2

2197-2201

 Pdf

Prevalence of Histopathological Diagnosis of Benign and Malignant Breast Lesions in Al-Muthanna Province for Two Years Duration

Sarah Ali Abed1; Ali Adnan Jabbar2; Roaa Salih Mahdi3; Ali Mohammed Khaleel4; Suha Suhel Hussein5; Maha Khadum Ghayadh6

2202-2208

 Pdf

A Histological and Histochemical Study on Olfactory Bulbs to Detection Amyloid Protein Depositions by Congo-Red and Routine Staining Techniques

Rajaa Ali Moheiseen Al- Tae1, Muna Hussain Al-Aameli2, Yarub Modhar Al-Qazwini3

2209-2214

 Pdf

The Intraperitoneal-Ketoprofen-Histopathological Induced Alterations in the Wistar Rat Kidneys

Samer Riyadh fadhill, Hakim Bahlok Jebur2

2215-2219

 Pdf

Association between IL12A Gene of G/A genotype Polymorphism and Pulmonary Tuberculosis Risk in Baghdad Population

Anwar Abed Nasser Dhabaan1, Mayes Abdul-Hadi Mahdi2

2220-2225

 Pdf

The Effect of Allogenic Bone Marrow on Integration Dev-Mesenchymal Stem Cell And Vascular Endothelial Growth Factor

Ferdiansis

2226-2232

 Pdf

Influence of BRACA Usage on Self Improvement of Breast Cancer Patient by Post Mastectomy

Dewi Maryam1, Iskandar Ali1

2233-2236

 Pdf

Correlation of Quadriceps and Hamstring Muscles Strength with Knee Osteoarthritis Stages and Pain Levels in Elderly Female Subjects

Mohammad Fathul Qorib 1, Hening Laswati1
2237-2242

 Pdf

Effect of Dates (*Phoenix dactylifera* L.) on Liver of Broiler Chicks Infected with Infectious Bursal Disease Virus. Biochemical and Histological Study

Balqees Hassan Ali1, Ziad Khalaf Jalob2, Zaid Yaseen Ibrahim3, Ahmed Sami Jarad4, Mustafa Salah Hasan5
2243-2249

 Pdf

Identifying the Correlation between the Incidence of Breast Cancer and Hepatitis B Virus of Iraqi Women

Minen Al-Kafajy
2250-2255

 Pdf

Cyclic Fatigue Resistance of Wave One Gold, F6 SkyTaper, One Curve, and AF Blue R3 NiTi Rotary Instrumentation Systems

Zainab M. Abdul- Ameer1, Samar Abdul Hamed2, Rasha H. Jehad3, Jacob Al-Hashemi4
2256-2264

 Pdf

Relation between Cardiorespiratory Fitness Measured with Six-Minute Walk Test and Walking Speed Measured with 1— Meter Walk Test in Patients of Post-Subacute and Chronic Ischemic Stroke

Hening Laswati1, Cut Jaswanita Eka Putri1, Patricia Maria Kurniawati1
2265-2270

 Pdf

Comparison Study of Urinary Retention Incidence in Assisted Vaginal Delivery Case with and without 24-Hour Catheterization

Eighty Mardiyani Kurniawati1, Hari Parathon2, Suskhan Djusad1, Fernandy Moegni1, Junizaf1, Budi Iman Santoso1
2271-2276

 Pdf

Effectiveness of Additional Intranasal Phototherapy through Decrease Score of Nose Symptom and Eosinophil Mucosa on Persistent Allergic Rhinitis

Hamna Fitriah1, Roestiniadi Djoko Soemantri1
2277-2282

 Pdf

Hydration Status and Degree of Clinical Severity Patients with Thrombotic Infarction Stroke

Agung Nugroho¹, Hendro Susilo¹

2283-2288

 Pdf

Prevalence of Benign Vocal Cord Disorder at Dr. Soetomo General Hospital Surabaya Indonesia in June 2015-June 2016

Lucia Miranti Hardianingwati¹, Diar Mia Ardani¹

2289-2293

 Pdf

Utilization of Deconcentration Health Funds in Planning, Budgeting, and Implementation in Indonesia

Gurendro Putro¹, Ristrini¹, Tumaji¹

2294-2300

 Pdf

The Influence of Slow Stroke Back Massage, Cold-compress and Warm-compress to the Level of Prostaglandin F₂? (PGF₂?) in Primary Dysmenorrhea

Mukhoirotin¹, Kurniawati¹, Diah Ayu Fatmawati¹

2301-2306

 Pdf

The Effect of Dexterity and Perturbation Exercise on Knee Osteoarthritis through Functional Balance and Power Improvement of Quadriceps and Hamstring

Rini Lestari Ansanay¹, Damayanti Tinduh¹

2307-2312

 Pdf

Biocompatibility Test of Decellularized Cartilage Bovine Scaffold in Vitro and In Vivo

Achmad Fachrizal¹, Dwikora Novembri Utomo¹

2313-2318

 Pdf

Predictors of Hospital Utilization Among Papuans in Indonesia

Agung Dwi Laksono¹, Ratna Dwi Wulandari²

2319-2324

 Pdf

Hydration Status and Degree of Clinical Severity Patients with THRoMBotic Infarction Stroke

Agung Nugroho¹, Hendro Susilo¹

2325-2330

 Pdf

The Effect of Allogenic Bone Marrow Mesenchymal Stem Cell - Platelet Rich Plasma (Bmscs - Prp) Intra-Articular Injection Effect on the Regeneration of Full-Thickness Joint Cartilage Defect on Rabbit

Ahmad Taufik.S¹, Dwikora Novembri Utomo², Hari Basuki Notobroto³

2331-2336

 Pdf

Health Wisdom in the Traditional Healing of the Panaragan Java Subethnicity: The Case Study of Warok Ponorogo

Alip Sugianto¹, Wakit Abdullah², Sumarlam³, Sahid Teguh Widodo⁴

2337-2341

 Pdf

Correlation between Coenzyme Q10 Level Long-Term Steroid Inhalation in Patients with Bronchial Asthma

Deny Perdana Putra¹, Arief Bakhtiar², Muhammad Amin²

2342-2347

 Pdf

Association between Fear of Falling, Balance and Functional Mobility in the Elderly

2348-2352

 Pdf

Relation between the Increase of Alpha Fetoprotein Serum Level and the Size of Hepatocellular Carcinoma in Multi Slice Computed Tomography Examination

Ika Putri Maharani¹, Nifa Koesmarsono¹, Budi Laraswati¹

2353-2357

 Pdf

Study of Gastroesophageal Reflex Disease in Adult Type II Diabetes Mellitus patients with Upper Gastrointestinal Symptoms

Maysam Riyadh Mohammed Hussein Alaasam¹, Sadiq Jabar Almohana², Hayder Nadhum Muhsen³, Jalal Jasim ALbdairi

2358-2363

 Pdf

Association between Dose and Duration of Cisplatin Exposure with Sitotoksisity Effect on Nasopharyngeal Carcinoma Stem Cell

Widodo Ario Kentjono¹, Lakshmi Kusuma Wardhani¹, Achmad C Romdhoni¹

2364-2368

 Pdf

Optimization of Streptokinase Mutant Protein Purification Method Using Affinity Chromatography Technique

Nastaran Rahimi¹, Mohammad AlinezhadChamazketi², Amir Yaghoubi Nezhad³, Forough Talaeizadeh⁴
2369-2373

 Pdf

Effect of Dietary Energy Density on Increasing Blood Glucose Pattern and Hunger-Satiety Sensation

Ni Luh Putu Ayu Putri Sariningrat¹, Purwo Sri Rejeki¹, Irfiansyah Irwadi¹
2374-2378

 Pdf

Effect of Phenytoin Usage Duration Against Hs-Crp Levels in Epilepsy Patients

Ratna Wajiyanti¹, Kurnia Kusumastuti¹
2379-2384

 Pdf

Comparison of Clinical Severity Improvement Degree between Acute Thrombotic Stroke Patients with Low and High Matrix Metalloproteinase-9 Levels

Muhamad Hamdan¹, Hendro Susilo, Paulus Sugianto¹, A. Firdaus Sami¹, Mohammad Saiful Ardhi¹, Sita Setyowatie¹
2385-2390

 Pdf

The Effect of Model Intervention Towards the Intention of Early Detection of Cervical Cancer with Via Test

Sondang Sidabutar¹, Santi Martini², Rachmat Hargono
2391-2396

 Pdf

The Role of Wide Pore Drain in Successes of Spontaneous Closure of the Cysto- Biliary Fistula after Hydatid Disease of The Liver

Jalil Ibrahim Awaid alrubaye¹; Hussein Ali Abed Ahmad²; Salah Mahdi Tager³
2397-2402

 Pdf

Causes of Emergency Hysterectomy in AL-Fallujah Maternity & Children Teaching Hospital

Huda Hamid Al-Janabi¹; Omar Mahmood Shakir²; Bashar Talib Huweidy³
2403-2407

 Pdf

The Immunological Study of Salmonella Infantis in white Mice Immunized with Killed Antigen

Basimraihan Sahar¹, Khalied Yassenzakairalzamily¹, Alaa SalimHamzah²

2408-2412

 Pdf

The Inhibition Effects of Withania somnifera leaves Extracts for Multi Drugs Resistance Bacterial Isolates

Kareem Ibrahim Mubarak

2413-2418

 Pdf

The Diagnostic Role of Anti-Human Salivary Gland Protein-1 (anti-SP1) in the Early Detection of Primary Sjogren's Syndrome in Some Iraqi Patients

Haael Subhi Abbas¹ ; Laila Hamzah Huzaim² ; Tiba Salim Naseif³

2419-2425

 Pdf

Effect of Sunlight and Vitamin D3 on some Men Fertility Parameters

Riyadh Hussein Wally

2426-2431

 Pdf

Effect of Different Die Materials on the Marginal Fit of CAD/ CAM crowns pre and post-cementation

Sara AbdulBasit Turkey AL-Bayat BSc¹, Amal Abudl Latif MSc¹, Abdulla M.W. Al-Shamma²

2432-2436

 Pdf

Evaluation Inhibin B, FSH, and LH in Male with Thalassemia

Fatimah Kadhim Ibrahim AL- Mahdawi¹, Zaid Nabeel Elia², Hayder Abdulhafedh Kurji³

2437-2440

 Pdf

Anti-phosphoryl Choline and hs - CRP in Serum of Atherosclerosis Cardiovascular Patient with Chronic Periodontitis

Reham Adnan Radhi¹ Alaa Omran Ali ALmosawi¹

2441-2447

 Pdf

The Diagnostic Test in Lumbosacral Vertebrae Image towards Magnetic Resonance Imaging in Radicular Low Back Pain

Dhimas Hantoko¹, Isti Suharjanti¹, Sri Andreani Utomo²

2448-2453

 Pdf

Study of Gastroesophageal Reflex Disease in adult Type II Diabetes Mellitus Patients with Upper Gastrointestinal Symptoms

Maysam Riyadh Mohammed Hussein Alaasam¹, Sadiq Jabar Almohana², Hayder Nadhum Muhsen³, Jalal Jasim ALbdairi⁴
2454-2459

 Pdf

The Effect of Health Information Technology on Time and Cost Saving in Remote areas of Iran

Mahdie Shojaei Baghini¹, Massume Mir Nejad², Sedisghe Shojaei Baghini³
2460-2464

 Pdf

Iron Overload Complication in Thalassemia Patients

Khdsayer T. Rotha
2465-2469

 Pdf

Relationship between Diet Quality and Obesity in Tikrit Secondary Schools Students

Athraa Essa Ahmed¹; Shaimaa Essa Ahmed²
2470-2475

 Pdf

Relation of Epstein Barr virus with interleukin-10 Level among men with Prostate Cancer in Ramadi City

Arkan Abdullah Abbas¹, Israa Hashim Saadon¹
2476-2480

 Pdf

A Histological Study of the Renal Corpuscle Nephron Distribution in Iraqi Camels (Camelus dromedaries)

Ali Fayadh Bargooth¹, Ahmed Saad Al-Aaraji², Masarat Swadi Medake¹
2481-2484

 Pdf

Correlated between Sera Levels of Interleukins (IL-6, IL-17 and IL-23) with Virulence Genes Detected in Carbapenem Resistant E.coli

Mehsen A. Mohammed Al-Warmezary¹, Suzan Saadi Hussain¹, Nihad Khalawe Tektook²
2485-2491

 Pdf

Evaluation of KV Reduction on image quality in OPG X-Ray

Mohammed Abdul Sattar¹, Sajid Hamza Aluaan², Wael Abdul Alrazzaq¹
2492-2499

 Pdf

Population Prevalence of Asthma in Aljiza District

Khalil Altaif¹, Nahla Aqel¹, Ghazi Al Jabal¹, Mohamed J Saadh¹
2500-2504

 Pdf

Rituximab in the Treatment of Refractory Myasthenia Gravis: Studying the Outcomes Using MMT Score And Need for Plasmapheresis in Baghdad Teaching Hospital

Abeer Abdulhadi Rashid¹, Sarmad Abdulrasool Almashta², Rana Ali Hussein³, Ahmed khaleel Mashaallah⁴
2505-2510

 Pdf

Evaluating the Antifungal Efficacy of Incorporating KappaCarrageenan Powder Into “Heat-Cured, Acrylic-Based Soft Denture Lining Material

Hiba A. Salih¹, Faiza M. Abdul-Ameer¹
2511-2517

 Pdf

Age Related Changes of Mandible and Maxilla In Human (Morphometric Study)

Noor Ghazi Saab¹; Abdul-Jabbar Jameel ²
2518-2525

 Pdf

Study of the Course of the Inferior Dental Canal in the Iraqis Population Using Cone Beam Computed Tomography

Omar Basheer Taha AL-Tekreeti¹, Noor Sabah Irhayyim²
2526-2531

 Pdf

Correlation of Urine Leukocytes and Urine Bacteria Using Current Sitometry Using Urine in Patients of Children Channel Infection

Adriyani Amin¹, IGAA Putri Sri Rejeki¹, Ninik Soemyarso Asmaningsih¹
2532-2537

 Pdf

Visum Et Repertum and Forensic Examination of a Rape Case as a Sexual Crime Towards an Indonesian Migrant Worker in Taiwan

Rizka Rizka¹, Wafda Vivid Izziyana², Arief Budiono², Heru Santoso Wahito Nugroho³, Sofyan Wimbo Agung Pradnyawan⁴, Rika Maya Sari²
2538-2542

 Pdf

Forensic and Toxicological Tests for Protecting the Patients of Esthetic Beauty Clinic as the Constitutional Right in Indonesia

I Gusti Ayu Ketut Rachmi Handayani¹, Pujiyono², Siska Diana Sari³
2543-2547

 Pdf

Principal Fairness and Equity within Healthcare Services based on BPJS Kesehatan

Sulardi¹, Yusufa Ibnu Sina Setiawan²
2548-2553

 Pdf

Forensic Examination and Restorative Justice for Drug Abusers: An Alternative in Handling Drug Cases in Indonesia

Warsino Warsino¹, Supanto Supanto², Widodo Tresno Novianto³
2554-2559

 Pdf

The Hegemony of The Exxonmobil and Freeport Contract in Investing in Indonesia and Also The Abandonment of The Local People's Health Rights

Yuli Tri Cahyono¹, Khudzaifah Dimiyati², Harun Harun², Bambang Setiaji³
2560-2564

 Pdf

Stage III-B Cervical-cancer of Young Age in Medical, Bioethics and Clinical Ethics Perspectives

Nasrudin Andi Mappaware^{1,4}, Septian Sima², Erlin Syahril³, Shulhana Mokhtar⁴, Ida Royani⁴, Muhammad Mursyid⁴
2565-2570

 Pdf

Malaria Prevention and Eradication Program Towards Malaria-Elimination in West-Seram

Sahrir Sillehu,¹ Wiwi Rumaolat¹, Sunik Cahyawati¹, Tri Niswati Utami,² Dewi Kartika³, Wa Rina⁴, Suparji⁵
2571-2575

 Pdf

Factors Related to Nurses' Work Stress in the Toto Kabila Hospital

Suwarly Mobilu¹, Ratnawati², Lisdiyanti Usman², Lusiane Adam², Fatmawati Mohamad², Fifi Ishak³, Dewi Kartika⁴
2576-2580

 Pdf

microRNA as Potential Biomarker for Pediatric Tuberculosis?

Ayling Sanjaya¹, Dwi Yuni Nur Hidayati², Susanthi Djajalaksana³, HMS Chandra Kusuma⁴
2581-2585

 Pdf

The Effect of Acceptance and Commitment Therapy on The Quality of Life of Post Stroke Patients in Aloe Saboe Hospital

Fatmawati Mohamad¹, Wenny Ino Ischak¹, Heni Panai¹, Hafni Van Gobel¹, Yusrin Aswad¹, Rini Fahriani Zees¹, Dewi Kartika²
2586-2591

 Pdf

Determinant Factors on Active and Latent Tuberculosis among Children in Surabaya

Ayling Sanjaya¹, Dwi Yuni Nur Hidayati², Susanthi Djajalaksana³, HMS Chandra Kusuma⁴
2592-2597

 Pdf

Musculoskeletal Disorders Complaints by Part Body Fishermen Village Labuang Namrole South Buru District

Masudin Sangaji¹, Kuswandi Saalu², Sahrir Sillehu², M. Taufan Umasugi², Johanis Hursepuny², Tri Niswati Utami³, Suparji⁴
2598-2602

 Pdf

Factors Related to Hearing Disorder on Traditional Fishermen in Namrole Sub-District South Buru Regency

asudin Sangaji¹, Sahrir Sillehu², M.Taufan Umasugi², Ira Sandi Tunny², Rapih Sarfa Marasabessy³, Wa Rina⁴, Irhamdi Achmad⁴
2603-2608

 Pdf

Open Court Principle in the Implementation of Courtroom Television in Indonesia and the Psychological Mind of Defendant

Suprapti¹, Hartiwiningsih², Widodo Trisno Novianto³
2609-2613

 Pdf

The Criminal Liability of Doctors in the Case of Malpractice in Indonesia

Tongat¹
2614-2618

 Pdf

Comparison of 2006 WHO Child Growth Standards and 2005 Growth Diagrams of Indonesian Children: Impact on Burden of Malnutrition

Wigit Kristianto¹, Irwanto¹, Kharisma Nindya Hapsara¹

2619-2624

 Pdf

New Record of the Species *Synthesiomyia Nudiseta* (van der Wulp, 1883) (Diptera, Muscidae) with Forensic Study from Kerbala City, Iraq

Naeem Al-Ashbal¹, Rafid Abbas Al-Essa¹, Hanaa H. Al-Saffar²

2625-2629

 Pdf

Effects of Laparoscopic Ovarian Drilling on Restoration of Menstrual Cycles, Hormonal Profiles and Pregnancy Rate in Women with Polycystic Ovary Syndrome

Shelan Omar Jaafar¹, Ghada Saadulla Alsakkal²

2080-2086

 Pdf

Association between Breast Feeding And Breast Cancer: A Case Control Study in Erbil

Sherwan Aziz¹, Abdulqadir Zangana²

2087-2093

 Pdf

Anthropometric Study of Nose Parameters in Iraqi Arabic and Kurdish Subjects (Possible Personal Identification Tool)

Sinan S. Farhan¹, Watheq M Al-Jewari¹, Aiman Q. Afar², Aiman Al-Qtaitat²

2094-2100

 Pdf

Deleted

Soudabeh Aloustani¹, Karvan Bekmaz², Adeleh Sadeghloo³, Hamid Hojjati⁴

2101-2105

 Pdf

Burning Mouth Syndrome and Salivary Brain Derived Neurotrophic Factor Level in Type 2 Diabetes Mellitus Patients on Metformin Monotherapy and on Combination of Metformin and Glibenclamide (A Comparative Study)

Suhair A. Hussain¹, Enas F. Kadhim²

2106-2112

 Pdf

Efficacy of Chitosan Immune Response Against *Listeria Monocytogenes* Infection in Mice

Sura Ayed Radam¹, Inam Badr Faleh¹; Osama Faid Allah Atshan², Mustafa Salah Hasan³

2113-2116

 Pdf

Fatal Drowning in Delta State, Nigeria: A Retrospective Study of Cases in this Region

Uchendu O J,1 Ijomone E A,2 Nwachokor F N3

2117-2121

 Pdf

Measurement of Effective Dose Detox for Workers Exposed to Benzene Toxins in Sidoarjo Paint Industry

Vivi Budiarti1, Charles Kimura1, Ayu Prima Kartika1, Achmat Kuncoro1, Abdul Rohim Tualeka1

2122-2128

 Pdf

Salivary Zinc level and Taste Detection Thresholds in Hypertensive Patients on Amlodipine and on Losartan (A Comparative Study)

Yosor M. Akram1, Taghreed F. Zaidan2, Zaid M Akram3, Omar A. Abed Alsattar4

2129-2135

 Pdf

Analysis of Relationship between Work Attitudes and Repetitive Activities with Subjective Complaints on Musculoskeletal Disorder in Circular Loom Division workers PT. Kerta Rajasa Raya Sidoarjo Indonesia

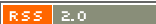
Yuly Eka Saputri1, Y. Denny Ardyanto W2

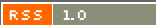
2136-2140

 Pdf

Current Issue

 ATOM 1.0

 RSS 2.0

 RSS 1.0

[Make a Submission](#)

Browse

Information

[For Readers](#)

[For Authors](#)

[For Librarians](#)

Platform &
workflow by
OJS / PKP

The Increase Level of Muscle Adductor in Idiopathic Vocal Cord Adductor Paralysis Post Biofeedback Vocal Therapy

Rani Maharyati¹, Irwan Kristyono¹, Muhtarum Yusuf¹

The Department of Otolaryngology, Faculty of Medicine, Universitas Airlangga, General Hospital of Dr. Soetomo Teaching Hospital, Surabaya, 60285, Indonesia

Abstract

Background: The Idiopathic Vocal Cord Adductor Paralysis (KAKVI) is the inability of muscle that moves the vocalist notochord to medial in phonation time with the idiopathic. This condition might has impact to the emerge of hoarse voice and other lamentations which are related to the voice production. The conventional voice therapy still show the number of the recovery of low dysphonia.

Method: The diagnosis of KAKVI is based on the anamnesis, physical check up, thorax photograph and laryngoscopy fiberoptic and is conducted the measurement of vocalist cord adductor muscular construction strength before the BF voice therapy with equipments. Then, the BF voice therapy is conducted twice a week for four weeks. The voice exercise is continued in home once a day by patients themselves. The measurement of the strength of vocalist cord adductor muscle contraction is conducted after the BF voice therapy.

Results: The result of the study revealed that there were KAKVI. The result of adductor muscular contraction strength with statistic examination in a short test is $p = 0,044$. - The result of statistic examination of long a is $p=0,000$. - The result of statistic test of count test is $p=0,000$. Therefore, the change of adductor muscular contraction strength on KAKVI after the BF voice therapy is found a significant increase ($p < 0,05$).

Conclusion: This study revealed that there are an increase of adductor muscular contraction strength in KAKVI after the BF voice therapy.

Keywords: *The strength of adductor muscle contraction, idiopathic vocalist cord adductor paralysis, voice therapy, Biofeedback.*

Introduction

The paralysis of idiopathic vocalist cord adductor (KAKVI) is a muscular inability to move the vocal cord to medial on phonation time with an idiopathic cause which is the cause is undetected or the pat physiology. This condition can lead the emerge of hoarse voice and other lamentations related with the voice production¹⁻⁵.

The KAKVI therapy consists of the nonsurgical therapy and surgical therapy. The nonsurgical therapy is the conventional voice therapy, then if it fails or there is particular indication, it can be taken into consideration with the surgical therapy¹⁻³. At the Otolaryngology. Out-

patient Unit in Dr. Soetomo hospital, the conventional voice therapy on dysphonic still show low recovery number. This low recovery number might be caused by the low self-motivation of the patients to practice and control routinely^{4,5}. The dysphonia research used other therapy methods which is expected to be more effective is the Biofeedback (BF) voice therapy. Biofeedback is the equipment to assist the patients to control voluntarily the strength of muscular contraction that is joined the vocal cord adduction process. However, the increase of adductor muscular contraction strength in KAKVI after the BF voice therapy is still unclear⁶⁻¹⁰.

The KAKVI patients at the Otolaryngology Out-patient Unit of Dr. Soetomo hospital is 176 (62,4%) of 282 patients (year 1995-1999) and 73 (54,07%) form 135 patients (year 2006-2010). The KAKVI therapy at Otolaryngology Out-patient Unit of Dr. Soetomo

Correspondence:

Muhtarum Yusuf

E-mail: yusufmuhtarum@gmail.com

hospital is the conventional voice therapy, with the low recovery number of 19,6% and 25,56%^{4,5}.

The BF voice therapy requires the electronic equipments which is the *laryngeal electromyography* (LEMG) through the electrode that is put in the surface, so it is called *surface laryngeal electromyography* (sLEMG) that shows the strength of larynx muscular contraction. The patients are asked to see the computer monitor to receive information about what happened in the their skins. The patients are asked to do the various kinds of practices under the voice therapist guidance while seeing the monitor (the feedback is visual signal) or listen to the beep voice (the feedback is auditory signal)^{7,11,12}.

The BF voice therapy is started to be reported in the literature with a good result, that is the improvement of vocal cord deviation. According to the previous study, it was reported that 21 normal persons and 7 patients with vocal nodule who underwent the BF therapy session shows that there are a significant difference in EMG score, and the decrease level of muscle tension¹³. It revealed that there were positive correlation between the EMG result with the voice quality assessment.

Another study reported that the use of sLEMG thyroarytenoid muscle in 25 patient, is an efficient and objective test to provide the prediction of the recovery after facing a vocal cord paralysis. In this study, wants to prove the increase point of adductor muscle

contraction on KAKVI after the BF voice therapy.

Material and Method

This study was conducted on June until August 2015 at the Otolaryngology Out-patient Unit and Medical Rehabilitation Instalation of Dr. Soetomo hospital, Surabaya. The study is about the change of the adductor muscle contraction strength in the idiopathic vocal cord adductor paralysis (KAKVI) after the BF voice therapy. The inclusion criteria of subject of study is KAKVI patients who diagnosed under the fiber optic laryngoscopy, attained the age of 20-60, understand the guidance and able to answer questions well, have the ability to control voluntarily, have self-movitation to coordinate well, willing to join the study, and sign the agreement letter in joining the study.

During the study period, it was obtained nine KAKVI patients who got the BF voice therapy twice a week in four weeks. The consecutive sampling is applied in this study¹⁴. The type of the study is pre experimental with the pre post design without control group. The measurement of adductor muscle contraction strength is conducted pre and post the BF voice therapy. In the BF voice therapy, the patients is asked to breathe in first, then say a long a in one breath, then do a count test in 1,2, 3, etc. in one breath with saying a loudly (short a) as long as the patients is capable.

Results

Table 1. Age Distribution

Age (year)	Quantity	%
31-40	2	22,22
41-50	5	55,56
51-60	2	22,22
Total	9	100

Table 2. Gender Distribution

Gender	Quantity	%
Male	2	22,22
Female	7	77,78
Total	9	100

Table 3. Job Distribution

Job	Quantity	%
Seller	4	44,45
Sailor	1	11,11
Operator	2	22,22
Teacher	2	22,22
Total	9	100

The core data of the study included the ages, gender, jobs, and the clinic characteristic of the KAKVI patients who obtained the BF voice therapy. The most age group that was 41- 50 years was five-patients (55,56%). The youngest age was 31 years old, and the oldest one is 59 years old (table 1). The most gender is female which was seven patients (77,78%). The comparison between male and female is 1:3,5 (table 2). The most jobs is seller that are four patients (44,45%) (table 3). The vocal cord that were mostly encountered paresis is the right vocal cord that were five patients (55,55%) (table 4).

The measurement of the adductor muscle contraction strength in KAKVI pre and post the BF voice therapy. The strength of adductor muscle is measured by electromiograph which was completed by BF. The adductor muscle contraction strength is measured when the patients did the short a test, while the adductor muscle contraction endurance is measured when the patients did the long a test and count test. The strength of adductor muscle contraction when the patients did the short a test can be seen in table 5. The minimal average of the adductor muscle contraction strength is when the patients did the short a test before the BF voice therapy is 23,44 μ volt and post therapy is 17,66 μ volt. The maximal average of the contraction strength pre therapy is 43,44 μ volt and post therapy is 55,33 μ volt. The delta average or the gap between the maximal contraction strength and minimal contraction strength is 21,11 μ volt and post therapy is 37,66 μ volt. The statistic examination with the t pairing sample test is obtained $p=0,044$. It means that there is a meaningful difference between the minimal contraction strength and the maximal adductor muscle pre and post BF voice therapy ($p<0,05$).

The endurance of adductor muscle contraction can be seen in the long a test and count test. The endurance

of adductor muscle contraction in a long a test is shown in table 6. The minimum average endurance of the adductor muscle contraction when the long a test is conducted based on seconds pre BF voice therapy is 6,22 seconds and post therapy is 18,55 seconds. The statistic examination with the t pairing sample is obtained $p=0,000$. It means that there is a meaningful difference between the minimal contraction endurance period and the maximal adductor muscle in the long a pre and post the BF voice therapy. The minimum average of the adductor muscle contraction endurance when the count test is conducted based on seconds the pre BF voice therapy is 7,33 seconds and post therapy is 23,77 seconds. The statistic examination with the t pairing sample examination is obtained $p=0,000$. It means that there is a meaningful difference between the minimal contraction endurance period and maximal adductor muscle in pre and post BF voice therapy count test ($p<0,05$).

Discussion

Many literatures stated that the vocal cord paralysis often encounter in the left side because the left vocal cord journey is much longer than the right side so it is easier to be affected by lesions. This condition is often caused by idiopathic, not because of inflammation, tumor, trauma, or neurological nuisance. This study revealed the number of KAKVI varied, 60% of the patients encountered the left vocal cord adductor paralysis and 40% of the patients encountered the right vocal cord adductor paralysis which cannot be known the causes¹⁵.

A meaningful difference or change is better between the pre and post BF therapy; it is because the high level of the patients² self-motivation in producing a sound when seeing the practice result in the monitor. The repeated practice or muscle re-education aims to obtain the

feedback that will control the neuromuscular; increase the muscle ability or muscle ability to tense, restore the agonist action/antagonist of normal muscle, and train the postural control. The patients used to produce a sound with the better muscle strength^{10,15,16}.

In six patients with excessive laryngeal tension is conducted with giving 14 BF sessions in 30 minutes each session. At the end of every therapy, three of six patients encountered the reduction of laryngeal EMG level and their voice quality are getting better. Those mentioned improvement happened because the patients are suggested to see the contraction muscle in the monitor then the therapists facilitated the contraction with electric signal in the intended muscle so that the patients can practice well. The other two patients only encountered the change in the EMG level and there is no change in the voice quality. In these two patients, it is actually revealed that there are the heavy structure damage, so it is suggested that the BF therapy might be useful in the functional dysphonia patients only¹⁷.

To be normally voiced, not only the anatomy and cardiopulmonary are needed, but also the good physiological factor. In the KAKVI patients in this study, it is revealed that the adductor muscle that is unilateral, so that one of vocal cords cannot move to median and docked in a median line. The vocal cord paralysis is also affecting the vocal cord tension is lowered, so the vocal cord vibratio will also be disturbed¹⁸. The long a test is actually similar with the MPT test (maximum phonation time) that is often known in THT KL. *Maximum Phonation Time* is mostly related with the pulmonary condition while in this study, there is no deviation in lungs (idiopathic), so the long a test is mostly used to see the maximum vocal cord contraction¹⁶.

The other supported researches stated that 21 normal persons and seven patients with vocal nodule that undergo eight practice sessions with BF showed that there are a significant difference in LEMG score, and the reduction of muscle tension level. The reduction of muscle level happened because the chosen biofeedback for relaxation practice is high sensitivity setting, therefore that the small electricity activity is much easier to detect. When the relaxation is started to increase, the sensitivity setting is increased from low to high. This change caused the patients must relax more vocal cord muscles so that the relaxation is easier to reach. Moreover, there is a positive correlation between the LEMG result and the vocal quality assessment¹⁹.

In the long a test, the patients were asked to say a after breathing, until the they were out of breath, while there is a respite in count test when the patients said numbers until they were out of breath. The other researches that support showed that the use of LEMG in musculus tiroaritenoid in 25 vocal cord paralysis patients, use the efficient and objective equipment can predict about the recovery after suffering from vocal cord paralysis. This is said because the biofeedback practice can increase the comprehension of how the effort in producing sound and patients can handle the vocal cord muscle relaxation response. In the initial session with biofeedback, the patients can centralize their attention to the feedback and try to handle the sound or visual. When the patients paid attention to the relaxation, they will be able and succeed to handle the sound better²⁰. Other suitable researches conducted the BF combination with other types of BF with targeting not only in tension and larynx muscle but also the relaxation in general. The use of BF in other voice deviation is rarely obtained, such as ventricular fold dysphonia and paradoxical vocal fold motion, is reported to give the good result⁶.

The result of BF measurement can be observed, amplified, and transformed, so that it can give feedback about the condition of patients body in a form of visual signal, particularly in graphic and beep voice that can be understood. The signal is applied to be the guidance to manipulate the signal that appeared in the BF equipment. The patients can learn to control to handle their condition, and make changes, such as relaxation or strengthen the particular tonus muscle. *T h i s* technique requires the patient's willingness to conduct the signal change in order to reach their aims. The BF therapy is defined as particular therapy technique that gives the patients strengths to use their mind to control their body and practice to improve their health by using the signal form their own bodies. The mentioned improvement can be reached if the patients see the contraction muscle in a monitor, then the therapist facilitated contraction with electrical signal in the intended muscle, so that the patients can practice to tense the muscle well^{7,9-12,21}.

Conclusion

It can be concluded that there is an increase in adductor muscle contraction strength in the idiopathic vocal cord adductor paralysis (KAKVI) post biofeedback voice therapy.

Conflict of Interest: There is no conflict interest

Source of Funding: This study is self-funded

Ethical of Clearence: This study was approved by Ethical Commision of Health Research Faculty of Medicine University of Airlangga

Reference

1. Balasubramanian T. Vocal cord paralysis. 2006. p. http://www.drtbalu.co.in/vc_para.html.
2. Wadie M, Adam SI, Sasaki CT. Development, Anatomy, and Physiology of the Larynx. In: Principles of Deglutition. Springer; 2013. p. 175–97.
3. Johnson JT, Rosen CA. Bailey's Head and Neck Surgery-Otolaryngology Review. Lippincott Williams & Wilkins; 2014.
4. Kristyono IS. Kelompokan aduktor korda vokalis di SMF THT RSUD Dr. Soetomo Surabaya tahun 1995-1999. PIT Perhati-KL; 2001.
5. Mustikaningtyas E, Kristyono I. Kelompokan aduktor korda vokalis di URJ THT-KL RSUD Dr. Soetomo Surabaya tahun 2006-2010. PIN VIII Perhati-KL; 2012.
6. Warnes E, Allen KD. Biofeedback treatment of paradoxical vocal fold motion and respiratory distress in an adolescent girl. *J Appl Behav Anal.* 2005;38(4):529–32.
7. Basmajian J V. Biofeedback in rehabilitation: a review of principles and practices. *Arch Phys Med Rehabil.* 1981;62(10):469–75.
8. Maryn Y, De Bodt M, Van Cauwenberge P. Effects of biofeedback in phonatory disorders and phonatory performance: a systematic literature review. *Appl Psychophysiol Biofeedback.* 2006;31(1):65–83.
9. Allen KD. EMG biofeedback treatment of dysphonias and related voice disorders. *J Speech Lang Pathol Behav Anal.* 2007;2(2):149.
10. Dursun E. Biofeedback. In: (JH Stone, M. Blouin, eds). *International Encyclopedia of Rehabilitation*; 2013.
11. Fernando CK, Basmajian J V. Biofeedback in physical medicine and rehabilitation. *Biofeedback Self Regul.* 1978;3(4):435–55.
12. Cornwall MW. *Electrotherapy Explained: Principles and Practice*, ed 4. *Phys Ther.* 2007;87(8):1088.
13. Laswati H, Sugiarto D, Poerwandari D, Pangkahila JA, Kimura H. Low-intensity exercise with blood flow restriction increases muscle strength without altering hsCRP and fibrinogen levels in healthy subjects. *Chin J Physiol [Internet].* 2018;61(3):188–95. Available from: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049626660&doi=10.4077%2FCJP.2018.BAG567&partnerID=40&md5=7b287162584180590c76088529542ec3>
14. Rhatomy S, Tanzil H, Setyawan R, Amanda C, Phatama KY, Andrianus J, et al. Influence of anthropometric features on peroneus longus graft diameter in Anterior Cruciate Ligament reconstruction: A cohort study. *Ann Med Surg [Internet].* 2019;48:77–80. Available from: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074417989&doi=10.1016%2Fj.amsu.2019.10.023&partnerID=40&md5=837229348eed8d88321bd9110497248a>
15. Narajos N, Samejima Y, Kumai Y, Yumoto E. Postdeglutitive residue in idiopathic unilateral vocal fold paralysis: a quantitative videofluoroscopic study. *Laryngoscope.* 2013;123(11):2776–9.
16. Lima DCB de, Palmeira AC, Costa EC, Mesquita FO de S, Andrade FMD de, Júnior C, et al. Correlation between slow vital capacity and the maximum phonation time in healthy adults. *Rev CEFAC.* 2014;16(2):592–7.
17. Bartier S, Bodez D, Kharoubi M, Canouï-Poitrine F, Chatelin V, Henrion C, et al. Pharyngo-laryngeal involvement in systemic amyloidosis with cardiac involvement: a prospective observational study. *Amyloid [Internet].* 2019;26(4):216–24. Available from: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070311021&doi=10.1080%2F13506129.2019.1646639&partnerID=40&md5=98a24c3bedf40fb2046db7a2226958c4>
18. Divi V, Pou A, Quinn FB. Treatment of unilateral adductor vocal cord paralysis. *Gd Rounds Present Dep Otolaryngol Univ Texas Med Branch* [http://www.otohns.net/default, asp.](http://www.otohns.net/default.asp) 2000;
19. Stemple JC, Weiler E, Whitehead W, Komray R. Electromyographic biofeedback training with patients exhibiting a hyperfunctional voice disorder. *Laryngoscope.* 1980;90(3):471–6.

20. Canals PR, Villoslada CP, López FC, Peris JLB, Marco AP, Marco JA. Standard electromyography for the diagnosis and prognosis of laryngeal neuromuscular disorders. *Acta Otorrinolaringol Esp.* 1995;46(3):203–7.
21. Watson TS, Allen SJ, Allen KD. Ventricular fold dysphonia: Application of biofeedback technology to a rare voice disorder. *Behav Ther.* 1993;24(3):439–46.