



1 of 1

[Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Add to List](#) [More...](#)[Indian Journal of Forensic Medicine and Toxicology](#) • [Open Access](#) • Volume 15, Issue 1, Pages 995 - 998 • January-March 2021**Document type**Article • [Hybrid Gold Open Access](#)**Source type**

Journal

**ISSN**

09739122

**DOI**

10.37506/ijfmt.v15i1.13545

[View more](#)

# Constitutional right to vote for people with mental disorders (PMWD) with case study in Yogyakarta, Indonesia

[Ramadhan, Diastama Anggita](#)[Save all to author list](#)<sup>a</sup> Faculty of Law, Diponegoro University, Semarang, Indonesia

27

Views count [?](#)[View all metrics](#)[View PDF](#) [Full text options](#) [Export](#)**Abstract**

Author keywords

Indexed keywords

SciVal Topics

Metrics

Funding details

**Abstract**

The right to vote as one of the constitutional rights is certainly in favor of all Indonesian citizens, including those who suffer mental disorders. The Constitutional Court through the Constitutional Court Verdict Number 135/PUU-XIII/2015 has stated people with mental disorders, as long as their condition is not permanent, they can vote. However, this verdict has the potential to violate the constitutional rights of the citizen. This research location will be carried out in the Special Region of Yogyakarta where it is one of the provinces with the largest mental disorder communities in Indonesia. This research uses a normative juridical method and focusing on literature studies as its main sources. This research will conclude about the method used by people with mental disorders to access their right to vote. Furthermore, it will also explain the extent to which the Constitutional Court's decision has an impact on patients with psychiatric disorders in the Special Province of Yogyakarta. © 2021, Institute of Medico-Legal Publications. All rights reserved.

**Author keywords**

Constitutional rights; People with mental disorder; Right to vote

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert](#)**Related documents**

The limitation of voting rights for people with permanent mental disabilities in Indonesia: a debate between reasonable and unreasonable rights

Ramadhan, D.A.  
(2021) *Cogent Social Sciences*

The concept of a joint criminal enterprise and domestic modes of liability for parties to a crime

Hamdorf, K.  
(2007) *Journal of International Criminal Justice*

Case Study: Health Workers' Perspective on Treatment of People with Post-Pasung Mental Disorder

Sari, F.S., Daulima, N.H.C., Wardani, I.Y.  
(2021) *Journal of International Dental and Medical Research*[View all related documents based on references](#)

Find more related documents in Scopus based on:

[Author](#) [Keywords](#)



# Indian Journal of Forensic Medicine & Toxicology

Website: [www.ijfmt.com](http://www.ijfmt.com)



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

# Indian Journal of Forensic Medicine & Toxicology

## EDITOR in Chief

**Prof. R K Sharma**

Formerly at All India Institute of Medical Sciences, New Delhi, E-mail: editor.ijfmt@gmail.com

## EDITOR

**Prof. Dr. Adarsh Kumar**

Forensic Medicine & Toxicology, AIIMS, New Delhi

## INTERNATIONAL EDITORIAL ADVISORY BOARD

1. **Prof Mete Gulmen** Cukurova University, TURKEY
2. **Prof. Leandro Duarte De Carvalho**, Minas Gerais, Belo Horizonte, Brazil
3. **Prof. Donata Favretto** (Full Professor) Forensic Toxicology at University of Padova, Italy
4. **Prof. Babak Mostafazadeh** Department of Forensic Medicine & Toxicology, Shahid Beheshti University of Medical Sciences, Tehran-Iran
5. **Prof Halis Dokgoz**, Mersin University, TURKEY
6. **Prof Jozef Sidlo**, Comenius University, Bratislava, SLOVAKIA
7. **Dr. Rahul Pathak** (Lecturer) Forensic Science, Dept of Life Sciences Anglia Ruskin University, Cambridge, United Kingdom
8. **Dr. Hareesh** (Professor & Head) Forensic Medicine, Ayder Referral Hospital, College of Health Sciences, Mekelle University, Mekelle Ethiopia East Africa
9. **Dr. Mokhtar Ahmed Alhrani** (Specialist) Forensic Medicine & Clinical Toxicology, Director of Forensic Medicine Unit, Attorney General's Office, Sana'a, Yemen
10. **Dr. Sarathchandra** Kodikara (Senior Lecturer) Forensic Medicine, Department of Forensic Medicine, Faculty of Medicine, University of Peradeniya, Sri Lanka
11. **Dr Noha A. Magdie El Rafie**, Forensic Toxicology, Ain Shams University, Cairo, EGYPT

## SCIENTIFIC COMMITTEE

1. **Prof Udai Pratap Singh**, Department of Anthropology Lucknow University Lucknow
2. **Dr Anil Rahule** (Associate Professor) Dept of Anatomy, Govt Medical College Nagpur
3. **Dr Shankar Bakkanwar** (Associate Professor) Forensic Medicine, Kasturba Medical College, Manipal, Karnatakad
4. **Dr K. Ravikumar** Raksha Shakti University, Ahmedabad, Gujrat.
5. **Dr. Pragnesh Parmar** (Associate Professor) Forensic Medicine, Valsad, Gujrat
6. **Dr Vandana Mudda** (Awati) (Associate Prof) Dept of FMT, M.R. Medical College, Gulbarga, Karnataka,
7. **Dr. Asha Srivastava** (Senior Scientific Officer) Forensic Psychology, Central Forensic Science Laboratory, CBI, Delhi
8. **Dr. Lav Kesharwani** (Asst.Prof.) School of Forensic Science, Sam Higginbottom Institute of Agriculture Technology & Sciences, Allahabad U.P,
9. **Dr. Anu Sharma** (Associate Prof) Dept of Anatomy, DMCH, Ludhiana (PB)
10. **Dr. Shalini Gupta** ( Prof ) Oral Pathology and Microbiology, Dental Sciences King George Medical University, Lucknow, UP
11. **Dr Rituja Sharma**, Associate Prof, Law Banasthali Vidyapeeth Jaipur

"Indian Journal of Forensic Medicine & Toxicology" is peer reviewed quarterly journal. It deals with Forensic Medicine, Forensic Science, Toxicology, DNA fingerprinting, sexual medicine and environment medicine. It has been assigned International standard serial No. p-0973-9122 and e- 0973-9130. The Journal has been assigned RNI No. DELENG/2008/21789. The journal is indexed with Index Copernicus (Poland) and is covered by EMBASE (Excerpta Medica Database). The journal is also abstracted in Chemical Abstracts (CAS) database (USA). The journal is also covered by EBSCO (USA) database. The Journal is now part of UGC, DST and CSIR Consortia. It is now official publication of Indian Association of Medico-Legal Experts (Regd.).

## NATIONAL EDITORIAL ADVISORY BOARD

### Chairman

**Prof Sudhir K Gupta** - Head, Department of Forensic Medicine  
All India Institute of Medical Sciences, New Delhi

### Members

1. **Prof. SK Dhatarwal**, Forensic Medicine, PGIMS, Rohtak, Haryana
2. **Prof. N K Aggrawal** Forensic Medicine, UCMS, Delhi
3. **Prof Ajay Ghangale** Forensic Medicine Dr DY Patil Medical College, Pune, Maharashtra
4. **Dr. Amar Jyoti** Patwory Professor, Forensic Medicine NEIGRIHMS, Shillong
5. **Dr S. Venkata Raghava** Professor, Forensic Medicine, Bangalore Medical College, Bengaluru
6. **Prof Praveen Arora**, Professor Department of Forensic Medicine & Toxicology, SAIMS, Indore
7. **Dr. Pankaj Datta** (Principal & Head) Department of Prosthodontics, Indraprastha Dental College & Hospital, Ghaziabad
8. **Dr. Mahindra Nagar** (Head) Department of Anatomy, UCMS & GTB Hospital, Delhi
9. **Dr. Virender Kumar Chhoker** Professor Forensic Medicine and Toxicology, Santosh Medical College, Ghaziabad, UP
10. **Dr. Dayanand G Gannur** (Professor) Department of Forensic Medicine & Toxicology, Shri BM Patil Medical College, Hospital & Research centre, Bijapur, Karnataka
11. **Dr. Alok Kumar** Professor Department of Forensic Medicine & Toxicology, UP Rural Institute of Medical Sciences and Research, Saifai, Etawah, U.P.

Print-ISSN:0973-9122 Electronic - ISSN: 0973-9130

Frequency: Quarterly, © All Rights reserved The views and opinions expressed are of the authors and not of the Indian Journal of Forensic Medicine & Toxicology. Indian Journal of Forensic Medicine & Toxicology does not guarantee directly or indirectly the quality or efficacy of any products or service featured in the advertisement in the journal, which are purely commercial.

Website: [www.ijfmt.com](http://www.ijfmt.com)

### Editor

**Dr. R.K. Sharma**  
Institute of Medico-legal Publications  
Logix Office Tower, Unit No. 1704, Logix City Centre Mall, Sector- 32, Noida  
- 201 301 (Uttar Pradesh)

### Printed, published and owned by

**Dr. R.K. Sharma**  
Institute of Medico-legal Publications  
Logix Office Tower, Unit No. 1704, Logix City Centre Mall, Sector- 32, Noida  
- 201 301 (Uttar Pradesh)

### Published at

**Institute of Medico-legal Publications**  
Logix Office Tower, Unit No. 1704, Logix City Centre Mall, Sector- 32, Noida  
- 201 301 (Uttar Pradesh)



1. Socio-Demographic Profile of Fatal Poisoning in a Tertiary Care Teaching Hospital of Coimbatore District-A Retrospective Study ..... 1  
*Angayarkanni S, Jeyasingh T*
2. Impact of Pilates Training versus Progressive Muscle Relaxation Technique on Quality of Life in Menopausal Women- A Comparative Study ..... 7  
*Anjali Bais, Pratik Phansopkar*
3. Comparison of Muscle Length in Dominant Versus Non-Dominant Lower Extremity in Young Asymptomatic Individuals- A Research Protocol..... 12  
*Anushree Pawar, Pratik Phansopkar, KiranKumar*
4. Isoniazid Mono Resistance: Changing Trends in Drug Resistant Pulmonary Tuberculosis. – A Case Series of 3 Patients ..... 17  
*Arti D. Shah, Anchal Jain, Apoorva, Kusum V. Shah, Yash Rana , Saket kumar*
5. Study on Effectiveness of Chakramarda (Cassia tora) Ghrith and Go-Ghrith in the Management of Parikartika (Fissure in Ano) ..... 20  
*Alok Kumar Diwedi, Kiran Khandare, Pooja Shrivastav*
6. Percutaneous Subclavian Artery Covered Stent Placement Following Inadvertent Subclavian Arterial Cannulation..... 26  
*Cinosh Mathew, R Calton*
7. Correlation of Vitamin D level with severity of Coronary Artery Disease(CAD) in patients of Acute Coronary Syndrome(ACS) in a Tertiary Care Centre in Western India ..... 31  
*Cinosh Mathew, Nishant Saxena, Ashish Sharma, Jayesh Rawal*
8. A Questionnaire-Based Study to Evaluate the Basic Understanding of Pharmacovigilance of the Under Graduate Medical Students of a Rural Teaching Hospital..... 38  
*Ervilla E. Dass, Maulin Mehta, Jayant Patharkar*
9. Assessing Fear-Avoidance Belief Questionnaire and Quality of Life in Housewives with Knee Osteoarthritis : A Research Protocol..... 44  
*Dhanashri R Ghordadekar, Angela Kapoor*
10. Screening for Upper Cross Syndrome in Asymptomatic Individuals..... 50  
*Heena Pathan, Pratik Phansopkar, Waqar M. Naqvi*
11. A Novel Research Protocol to Evaluate Psychological Perception Using Brain Gym Exercises in Physiotherapy Students ..... 55  
*Vaishnavi V. Siroya, Angela Kapoor*

## II

12. Gaming addiction to Massively Multiplayer Online Games (MMOGs) and Quality of Life..... 61  
*Divya Thakur, Kamalpreet Shergill, Gurpreet Kaur, Shindbir Kaur, Devakshi Abrol, Harjot Singh, Ashwyn Gill*
13. Knowledge, Attitude, and Practice about Informed Consent amongst Resident Doctors at Rural Medical Institute of Central India ..... 68  
*Shashank Gotarkar, Prakash Mohite, Kumar Bijyendra Sourabh, Alka Rawekar*
14. Total Elbow Arthroplasty in a Rare Case of Giant Cell Tumour of Humerus: A Case Report ..... 74  
*Gajanan Pisulkar, Kiran Saoji, Ulhas Dudhekar, Sridhar Reddy, Shivshankar Jadhav, Mohit Dadlani, Pratik Phansopkar*
15. Relationship between Working Tenure and Working Posture with Musculoskeletal Grievance in Batik Madura Workers ..... 79  
*Galuh Sistha Prabarukmi, Noeroel Widajati*
16. Effectiveness of Transport Guidelines on Intra Hospital Transport Practices of Nurses and Occurrence of Mishaps among Critically ill Patients ..... 87  
*Gautam Sakshi, Sembian N, Kumari Vinay*
17. Knowledge of Women about the Early Detection Methods of Cervical Cancer in Baghdad City ..... 95  
*Iman A Jaber*
18. Causative Microorganisms and Antibiotics Susceptibility in Neonatal Sepsis at Neonatal Intensive Care Unit: A Longitudinal Study from Diyala Governorate in Iraq ..... 101  
*Issam Tariq Abdul Wahaab, Sura Qais Mahmood Almaroof, Zaid Taha Yaseen*
19. A Study Evaluating Correlation between Umbilical Cord Attachment on Placenta in Normotensive and Hypertensive Pregnant Females and its Effects on Fetus..... 111  
*K M Parmar, Kinjal Jethva, Priyanka Sharma, Nirali Chavda, Hetal Vaisnani*
20. A Cross Sectional Discriptive Study of Analysis of Lambdoid And Squamous Sutures Closure by Ct Scan for Age Estimation..... 118  
*Kalpesh M Zanzrukiya, Lavlesh Kumar, Ashish A Bhalodiya*
21. Effectiveness of Laughter Therapy on Reduction of Stress among Nursing Students ..... 126  
*Kanika Guleria, Pushplata Manta*
22. Current Trends of Poisoning in Tertiary Care Hospitals Located in a Rural Area of Salem, Tamil Nadu, India..... 133  
*Koteswara Rao. Vipparla, Vijaya Kumari*
23. Epidemiological Profile of Burn Cases among autopsies Conducted in Dept. of FMT, RIMS, Ranchi ..... 139  
*Kumar Shubhendu, Lishu Chaure, Sanjay Kumar, Tulsi Mahto, Ajit Kumar Chaudhary*
24. Systemic Sclerosis and Pulmonary Tuberculosis Associated with Interstitial Lung Disease: A Case Report ..... 147  
*Laksmi Wulandari, Sisilia Yolanda Wijaya*

25. A Study Protocol for a Randomized Trial on Effect of Safe Patient Handling (SPH) program on Rehabilitation Outcomes and on Safety of Physical Therapists in Rural Hospital..... 154  
*Poulami Bhandakkar, Deepali Patil, Angela Kapoor*
26. Patient's Knowledge and Satisfaction Regarding Nursing services and Physical Infrastructure of a Tertiary Care Hospital Situated in Rural area of Northern India (Haryana)..... 159  
*Manisha Rani, Jyoti Phougat*
27. Medicolegal cases : A Potential Source of Coronavirus (SARS-CoV-2) Infection in Indian Police Personnel..... 167  
*Mayank Gupta, Amit Kumar Nayak, Praveen Kumar Tiwari, Taneesha Gupta, Surendra Kumar Pandey*
28. Lunar Cycle and its Correlation with Unnatural Death in Different Age Group..... 173  
*Mayank Gupta, Amit Kumar Nayak, Praveen Kumar Tiwari*
29. Role of High Technology Medical Devices and Its Uses in Patient Care ..... 181  
*Mrideema Yadav, Shailesh Kr. Singh, Amit Kumar Pandey, Aseervatham Achary, Sandeep Tiwari*
30. Online Classes during COVID-19 Pandemic: Anxiety, Stress & Depression among University Students..... 186  
*Mridul, Bandana Bisht, Dhariti Sharma, Navdeep Kaur*
31. Reflection of Stress in the Oral Cavity..... 190  
*Mutum Sangeeta Devi, Manju J, Takhellambam Dhanapati Devi, Binita Sorokhaibam, Ravi Ranjan*
32. Parental Perception on the Effect of Various Factors in a Dental Clinic Affecting Child's Behaviour 195  
*Neethu Ann Preethy, Deepa Gurunathan*
33. Effectiveness of Video Assisted Teaching Programme on Knowledge and Expressed Practices Regarding the First Aid Management of Epilepsy among Patient's Family Members in Selected Hospitals of Ambala, Haryana ..... 201  
*Neha Singh, Uma J. Deaver, Manpreet Sharma, Manish Bathla, Jyoti Sarin*
34. Variation in the Shapes of Coronoid Process of Dry Human Mandible of Gujarat Region ..... 206  
*Nirali Chavda, Priyanka Sharma, Kinjal Jethva, Kantilal Parmar, Hetal Vaishanani , A.R.Gandotra, G.V.Shah*
35. Development of Physical and Mental Abilities in Fulfilling Children's Rights in the Program of 'Kampung Anak Negeri' in Surabaya..... 213  
*Novira Maharani Sukma, Irawati*
36. Awareness of Medico Legal Aspects of Clinical Practise and Common Medico Legal Issues among Medical Graduates..... 217  
*Padmakumar.K , Ajith Paleakkara*
37. Effectiveness of Education and Information Technology on Menopausal Syndrome among Rural and Urban Premenopausal Women..... 223  
*Parimala.L, Kaviya.S*

## IV

38. Clinical Study of Combined Endoscopic And Percutaneous Management of a Late Complication Following Tension-free Vaginal Tape (TVT) Anchored Stone for Female Stress Urinary Incontinence ..... 228  
*Patel Mikir, Nahar Gaurav, Pavan Kumar Tungala, Patel Harsh*
39. Medicolegal Evaluation of Burn Injuries- An Autopsy Based Study ..... 232  
*Pradeep Kumar Nayak, Bibhuti Bhusana Panda, Sudhansu Sekhar Sethi*
40. Eating Attitudes Test Students Using EAT-26 Questionnaire among Physiotherapy Undergraduate Students ..... 240  
*Prasad B. Risaldar, Akshata Raut, Arti Sahu, Waqar M. Naqvi*
41. Effectiveness of Active Release Technique verses Conventional Physiotherapy in Management of Upper Cross Syndrome ..... 246  
*Prasad Risaldar, Pratik Phansopkar, Waqar M. Naqvi*
42. Significance of Measuring Dimensions of Lumbar Lamina and Spinal Canal – A Cadaveric Study ... 251  
*Priyanka N. Sharma, Manoj Kulkarni, A. R. Gandotra*
43. Screening for Lower Cross Syndrome in Asymptomatic Individuals- A Study Protocol ..... 257  
*Priyanka Sahu, Pratik Phansopkar, Kiran Kumar*
44. Unnatural Deaths in the Paediatric Age Group in a Tertiary Hospital at Bangalore: An Autopsy Study ..... 262  
*R K Varma, P Shruthi, S R Jagannath*
45. Estimation of Time Since Death from Na<sup>+</sup> Ion Concentration in CSF..... 268  
*Rajesh S. Chintalwar, Anurag Kesarwani, Shailendra G. Dhawane*
46. Effect of Vachadi Ointment in the Management of Scabies - A Case Report ..... 272  
*Rakesh Khatana, Renu Rathi*
47. Effectiveness of Vachadi Ointment in the management of Pama Kushta (Scabies): A Novel Research Protocol Using Science of Ayurveda..... 277  
*Rakesh Khatana, Renu Rathi*
48. Palmar Dermatoglyphics and Idiopathic Epilepsy – A Systematic Review ..... 282  
*Rashmi C Goshi*
49. Comparison of the Serum Concentrations of Micronutrients Zinc and Iron in Epileptic Children before and after Administration of Valproic ACID ..... 289  
*Ratih Dwi Andini, Darto Saharso, Roedi Irawan, Prastiya Indra Gunawan*
50. Palaskhshar ointment in the management of Abhyantar Gudarsh – An Ayurvedic Management Protocol ..... 295  
*Ravikumar S Suryawanshi, Kiran Khandare*
51. Response Evaluation on Single Common and Uncommon EGFR Mutation on First-Generation EGFR-TKI Therapy in NSCLC Patients..... 302  
*Rena Arusita Maranatha, Laksmi Wulandari, Gatot Soegiarto*

52. Histopathological Assessment of Autopsied Salivary Gland Tissue to Estimate the Post Mortem Interval – A Cross Sectional Observational Study..... 309  
*S.Rajkumari, R.Mensudar, N. Naveen, B.Thayumanavan*
53. Influence of Melatonin in the Treatment of Experimental Enterobius Vermicularis Infection ..... 314  
*Shaimaa A. Shlash, Noor M. Hasnawi, Hussein A. Kadhum*
54. The Observational Study of Reduction in Inflammatory Markers and Simultaneous Reduction in Joint Inflammation in Patients of Rheumatoid Arthritis Treated by Leech Therapy ..... 318  
*Sheetal Asutkar, Kiran Khandare*
55. Comparative Study of Palashgudavarti and Diclofenac Sodium Suppository in the Management of Acute Fissure in Ano (Parikartika)-An Ayurvedic Management Protocol ..... 326  
*Shubham Golokkumar Biswas, Devyani Dasar*
56. Review on Annavaahasrotodushti with Respect to Arsha Vyadhi..... 330  
*Shubham Golokkumar Biswas, Devyani Dasar, Alok Kumar Diwedi*
57. Association of Poor Sleep with Low Back Pain among Symptomatic and Asymptomatic Population: A Research Protocol ..... 335  
*Sneha Nemade, Pratik Phansopkar, Waqar M. Naqvi*
58. Effectiveness of Pippalyadi and Suranadi ointment in management of Arsha (Haemorrhoids) ..... 341  
*Suraj Rathod, Kiran Khandare, Pooja Shrivastava*
59. Management of Phenylketonuria: Current and Future Perspectives..... 347  
*Tejas J. Shah, Dipika Baria, Shruti Brahmhatt, DVSS Ramavataram*
60. Correlation Between Knowledge, Attitudes, and Behavior with Blood Cadmium Levels in the Population of Industrial Area ..... 353  
*Teuku Heriansyah, Kumboyono Kumboyono, Fibe Yulinda Cesa, Titin Andri Wihastuti, Shila Wisnasari*
61. Coronavirus :- An Emerging Pathogen ..... 359  
*Alankrita*
62. Role of Ayurveda in the Era of COVID-19 ..... 368  
*Anukriti Awasthi, Swarupa Chakole*
63. Engaging School Going Children During Covid-19 Lockdown..... 375  
*Deepali Ghungrud, Seema Singh, Ranjana Sharma, Savita Pohekar*
64. The Unseen Positive Effects of Lockdown Due to Covid-19 Pandemic: Air pollution, Sound Pollution, Water Pollution, Sanitation and Hygiene, Behavioral Change, Global Warming, Road Traffic Accidents..... 382  
*Deepali Ghungrud, Ranjana Sharma, Vaishali Tembhare, Samruddhi Gujar*
65. A Critical Appraisal of Bioethical Inclusions in Aetcom Module for Competency Based Undergraduate Medical Education as Prescribed by Medical Council of India ..... 391  
*Gaurav Mishra, Sudhir Ninave, Abhilasha Dass, Ashish Anjankar*



## VI

66. Awareness of Physiotherapy among Higher Secondary Students- A Survey ..... 397  
*K. Jothi Prasanna Ayesha Farvin Z*
67. Use of Social Web and Perceptions of Professional Behaviours Regarding Social Web Postings among Physiotherapy Students ..... 402  
*K. Jothi prasanna Priyanka B*
68. Dry eye Disease During COVID-19 : Need for Investment Into Research to Develop Solutions?..... 409  
*Komal Shah, Deepika Singhal, Ashka Patel, Binita Gadhavi, Jay Karan, Abhay Gaidhane, Deepak B Saxena*
69. Covid 19 and Ophthalmic Morbidity among College Students Attending Online Teaching ..... 413  
*Krishna Shah, Smeet Desai, Hasti Lo, Binita Gadhavi, Vaishali Prajapati, Priya Bhavsar, Deepika Singhal*
70. E-learning- A New Trend of Learning in 21<sup>st</sup> Century During Covid-19 Pandemic ..... 422  
*Lata Kanyal Butola*
71. Herd Immunity: A Major Advantage or A Major Challenge to Achieve for the COVID-19 Pandemic 427  
*Parisha Subhash Walinjkar*
72. Adult Vaccination: The Current Scenario ..... 432  
*Parth Pramod Godhiwala, Sunil Kumar, Sourya Acharya*
73. Correlation between Gestational Age and Abdominal Circumference in Second Trimester ..... 440  
*Patond Swapnil, Chimurkar Vilas, Pande Varsha*
74. Nursing Perspectives in Diabetic Ketoacidosis..... 445  
*Pratiksha Thakare, Ruchira Ankar*
75. Knowledge, Attitude, and Practice Regarding Child Abuse and Neglect among Dental Practitioners 450  
*Rachana . P. B, Supriya H, Seema M, Vijaya Lakshmi G, Meghashree Kerpala, Charisma Thimmaiah*
76. Indoor Activities for Physical Fitness During Lockdown..... 456  
*Sakshi Manoj Khatri, Manoj Patil*
77. Knowledge and Preventive Measures Adopted by Allied Health Care Professional Students to Control Transmission of COVID-19 Pandemic Infection During Lockdown ..... 464  
*Sarika Dakhode, Swapnil Patond, Alka Rawekar, Ajay Chaware*
78. To Assess the Knowledge Regarding HIV/AIDS among New Entrant of the Nursing Institute in Wardha District ..... 472  
*Savita Pohekar, Samruddhi Gujar, Arti Raut, Sonali Tadas*
79. Impact of COVID-19 on Women, Pregnancy and Psychologically ..... 479  
*Sharleen Khan*
80. Assess the Prevalence of Hypercalcemia among Immobilized Patients ..... 485  
*Sheetal Sakharkar, Mayuri Age Ruchira Ankar*

81.	High Risk Population For COVID 19 .....	492
	<i>Sheetal Sakharkar, Arati Raut, Samrudhi Gujar, Savita Pohekar</i>	
82.	Efficacy of Manual and Digital Contact tracing of COVID-19 .....	499
	<i>Shradha Agrawal</i>	
83.	Survey on Parental Attitude Towards Ethical Considerations of Involving their Children in Physiotherapy Care .....	505
	<i>Sivasankari.A, Malarvizhi.D</i>	
84.	A Rare Case Series of Prosthetic Rehabilitation of Auricular Defect Category: Case Series .....	511
	<i>Sweta Gajanan Pisulkar, Rohit Ashok Mistry, Hetal Satish Purohit, Chinmayee Dahihandekar</i>	
85.	Prosthetic Rehabilitation of a Patient with Symptoms of Iron Deficiency Anaemia in association with Fraser’s Syndrome – A Case Report.....	518
	<i>Sweta Kale Pisulkar, Chinmayee Dahihandekar, Seema Sathe, Surekha Godbole, Gajanan Pisulkar</i>	
86.	Increased Demand of Emergency Medical Services in Covid-19 .....	523
	<i>Vaibhav Vikas Bisne</i>	
87.	Effect of Fluoride Contaminated Groundwater on Human Health in Fluorosis Endemic Areas.....	529
	<i>Abhyuday D Meghe, Deepak B. Malpe, Dhananjay C. Meshram</i>	
88.	Quality, Health, and Safety Assurance of Fish Produce based on the Republic of Indonesia’s Governmental Decree No. 57 of 2015 on the Quality, Health, and Safety Assurance of Fish Produce and the Increase of Fish Produce Value: A Sociosphere Analysis in North Maluku .....	535
	<i>Absori Absori, Muhammad Amin Hanafi, Khudzaifah Dimiyati, Natangsa Surbakti, Siti Barora, Suryani, Dewi Permatasari</i>	
89.	Nursing Intervention for Caregivers of Post Autologous Bone Marrow Transplantation Patients at Home .....	540
	<i>Asmaa Farouk Mohamed<sup>1</sup>, Nawal Soliman<sup>2</sup>, Hemat Abd-El-Moneem El-Sayied<sup>3</sup>, Asmaa Talaat</i>	
90.	Chronic Kidney Disease: A Case Report .....	548
	<i>Sonal Dhobe, Vaishali Tembhare, Ruchira Ankar, Savita Pohekar, Samruddhi Gujar</i>	
91.	Physiotherapy Students Willingness To Report Misconduct To Protect The Patient’s Interests In Chennai .....	551
	<i>Malarvizhi, Bhagya Lakshmi K, Hariharan S</i>	
92.	Cognitive Impairment and Its Impact on Quality of Life in Rural Indian Female after Stroke: A Cross Sectional Study Protocol.....	556
	<i>Nikita S. Deshmukh, Ashish Bele</i>	
93.	Knowledge, Awareness and Attitude about Breast Lump among Females Attending Mahatma Gandhi Ayurved Hospital .....	561
	<i>Ishwari Gaikwad, Pradnya Dandekar</i>	
94.	Ethical Issues at the Interface of Physiotherapy Care and Research Practice in Pediatric Oncology- Descriptive Study .....	564
	<i>Malarvizhi D, Metha K S</i>	

## VIII

95. Age Estimation from Fusion of Manubrium & Xiphoid Process with Sternal Body: A Radiological Study in Living Individuals from Central India..... 567  
*Ninad Nagrale, Swapnil Patond, Prakash Mohite*
96. Assessment of Knowledge and attitude about Medicolegal Aspect of Organ Donation amongst Medical Students..... 572  
*Pande Varsha, Nagrale Ninad, Patond Swapnil*
97. Prevalence of Associated Factors of Depressive Symptoms among School Going Children's ..... 576  
*Sonal B. Dhobe, Samruddhi Gujar*
98. Bibliometric Analysis of Publications on Dental Caries and Dental Fluorosis from India ..... 581  
*Rutuj Waghmare, Roshan Umate, Shobha Joshi, Manoj Patil*
99. Effect of Finger and Hand Exercises among Amateur Pianist..... 591  
*S.F. Mariyam Farzana, Ashish Mathew A*
100. Analysis of Posture Using Posture Screening Mobile Application among Collegiates..... 597  
*S.F. Mariyam Farzana, Pooja,*
101. Cognizance Amongphysiotherapy Clinicians and Students in Pelvic Girdle Dysfunction- Qualitative Analysis ..... 603  
*S.F.Mariyam Farzana, M.S.PawanKumar, D.Malarvizhi*
102. Patient Safety Program in a Hospital with Reference to Costs Associated with Patient Falls ..... 611  
*Renu Mirchandani, P. Naveen Kumar, Vikram Palimar*
103. Physical Therapy Rehabilitation and Care in Post Operative Trans-Tibial Amputation Patient..... 618  
*Renuka Dhole, Simran Jaiswal, Waqar M. Naqvi, Arti Sahu*
104. Impact of Workstation Exercise and Ergonomic Exercise on Nursing Population – A Randomized Clinical Trial Research Protocol ..... 622  
*Renuka Dhole, Deepali Patil, Angela Kapoor*
105. Correlation of Matrix Metalloproteinase-2 and p21 Expressions with Capsular Invasion of Thymoma AB ..... 628  
*Santi Maulina, ETTY Hary Kusumastuti, Nila Kurniasari*
106. Effect of Graded Theraband Exercise on Myofascial Dysfunctions in Breast Cancer Survivors ..... 634  
*Sapana Namadev Jare, Mandar Malawade*
107. Morphometric study of Macewan's Triangle in Relation to Depth of the Sigmoid Sinus Plate ..... 640  
*Senthil Kumar. B*
108. A Comparative study on Prevalence of Diastasis Recti in Primipara and Multipara Undergone Full Term Normal Delivery - A Research Protocol..... 646  
*Simran Jaiswal, Shalaka Dhankar*
109. Does Dermatoglyphics An Essential Tool for Predicting Dental Caries? - A Systematic Review ..... 650  
*Suganya P, Lubna Fathima, Prabu D, Raj Mohan, Bharathwaj, M.R. Prashanth*

110. Study on the Effectiveness of Abhaya Sunthi Churna and Snehana Swedana in Tamaka Shwasa ..... 661  
*Suraj Sankh, Jyothy Kothanath.Bhaskaran*
111. A Study Protocol for Checking Efficacy of Leap Motion Device on Gross Hand Dexterity in Sub-Acute Stroke Patients ..... 668  
*Vaidehi kannao, Waqar Naqvi*
112. A Novel Research Protocol to Evaluate Psychological Perception Using Brain Gym Exercises in Physiotherapy Students ..... 672  
*Vaishnavi K. Siroya, Angela Kapoor*
113. Socio-demographic Profile of Deaths due to Poisoning at a Tertiary Care Hospital in Bangalore ..... 678  
*Vidusha Vijay, Pradeep Kumar M.P*
114. Assess the Effectiveness of “First Aid Training Program” in Terms of Knowledge and Skills Among School Teachers of Selected Schools of Ambala, Haryana”: A Quasi Experimental Study .... 684  
*Vijayata, Yogesh Kumar, Jyoti Sarin*
115. Oral Hygiene as a Risk Factor in Periodontitis ..... 690  
*Abdul Majeed Wadi*
116. Incidence of Hydatidosis in Slaughtered Animals and their Relation to Public Health at Baghdad Province ..... 694  
*Abdulkareem Thamer Mohammed*
117. Inheritance Pattern of Lip Prints and Blood Group among Parents and their Offspring in Javanese Population, Indonesia for Assisting Forensic Identification ..... 699  
*Agung Sosiawan, Cahyo Pulunggono, Arofi Kurniawan, Haryono Utomo, Maria Istiqomah Marini, Beta Novia Rizky, Mieke Sylvia Margaretha Amiatun Ruth*
118. Human Age Estimation Through DNA Metilation Analysis Method from Bite Mark Samples in Forensic Identification ..... 706  
*Ahmad Yudianto, Mieke Sylvia Margaretha AR, Fery Setiawan, Ma'rifatul Ula*
119. Evaluation of Cusp Deflection in Teeth Restored with Various Manipulation Techniques and Types of Composite Restorations ..... 714  
*Ahmed A. Alquzweeni, Mustafa Basim Al-Talqani, Marwah Safaa Ali*
120. The Role of Health Education in Promotion of Health Care Waste Management in Khartoum North Teaching Hospital ..... 719  
*Ahmed Abu-Rayyan, Waed Alahmad, Fatima Fadul ALI Osman, Kamal Elbssir M Ali*
121. Effect of Serotonin Concentration and Some Variables in the Sera 6 hours before and after Dialysis on Chronic Kidney Patients with Different Ages in Iraqi Population ..... 727  
*Ahmed Chyad Abbas, Ahmed Zuhair Alwaeli, Ebtihal Chiad Abass*
122. Estimation of the Biological Activity of Some Commercial Bleaching Solutions (Hypochlorites) on Pathogenic Bacteria ..... 731  
*Ahmed Salih Lateef, Ismail K. AL-Hitti, Atheer A .Khashan*

## X

123. Detection of the Some Dominant Aerobic Microorganisms in Burn Injury and Testing their Susceptibility for Different Antibiotics in Najaf..... 737  
*Ahmed Zuhair Alwaeli*
124. Effect of Dentifrices with Different Abrasives on the Surface Roughness of a Nano Composite Resins materials ..... 744  
*Alaa Jawad Kadhim, Linz Ali Shalan*
125. Coenzyme Q10 in the Follicular Fluid and Its Relation to Oocyte Maturity, Fertilization Rate, Embryo Grading, and Pregnancy Rate..... 753  
*Alaa Abdulateef Mohammed, Zainab Hassan Al-Khafajy. Ass. Prof Dr. Wasan Adnan Abdullhameed*
126. Effects of VEGF Gene Polymorphisms on BEV Responsiveness in a Sample of Iraqi Colorectal Cancers Using HRM - PCR ..... 761  
*Alaa Tariq, Wiaam Ahmed Al-Amili, Ahmed Zuhair Abdullhameed Alsammarraie, Waleed Jassim Mohammed Alserartee, Sarah Mohssen Mohammed*
127. Development of Quick Reference Manual for the Management of Drug Overdose and Poisoning..... 768  
*Alan Tom, Mohammed Salih, N Venkateswaramurthy, R Sambathkumar*
128. Evaluation of immunoglobulins IgG, IgM, IgA and Complement Components C3 and C4 Levels in Iraqi full term Neonates with Severe Hyperbilirubinemia..... 773  
*Ali Abdulateef Hassan Al-bayati , Khitam Abdul-Wahhab Ali, Shaimaa Hamid Kareem Aljanabi*
129. Aetiology and Findings of Recurrent Chronic Rhino Sinusitis with Nasal Polyposis after Functional Endoscopic Sinus Surgery ..... 782  
*Ali Aziz Abed, Ragheed Turkey Miteab, Ali Majid*
130. Review: Cancer Cells Resistance Strategies ..... 791  
*Ali Faris Hassan, Nada Najji Al-Shawi , Mahmood Kahtan Salih, Pharmacsit Rusul Mohammed Hassan Ali , Biologist Omar Faris Hasan*
131. Efficacy of Hyaluronic Acid in Patients with Osteoarthritis of The Knee..... 798  
*Ali Hasanain Alhamadani*
132. Changes in Interleukins and Follicle Stimulating Hormone in Toxoplasmosis Male Patients..... 803  
*Alia Salim Altemeemi , Noor Kareem Kadhim , Ghufraan Saad Nsaif*
133. Evaluation of the Acute Flaccid Paralysis Surveillance System of Polio Free in East Java, Indonesia, 2019 ..... 808  
*Alya Hanifa Rasyidi, Anik Suroiyah, Laura Navika Yamani*
134. E-Cigarette Vaping and Periodontium: A Systematic Review ..... 816  
*Ameer A. Altabatabaie, Ahmed A. Alquzweeni, Hussein A. Alnajar, Raya Ali Dalol*
135. Relationship Between Spermatid Specific Thioredoxin-3 Protein and Antisperm Antibody in Patients with Varicocele Compared with a Control Group..... 821  
*Ameer Ali Imarah, Waleed A.H.*

136. Tuberculosis Arthritis: A Case Report .....	826
<i>Anak Agung Gede Ocha Rama Kharisma Putra, Ni Wayan Candrawati, Ida Bagus Ngurah Rai</i>	
137. Peritoneal Tuberculosis as a Final Result of Diagnostic Conundrum: A Case Report.....	830
<i>Ananda Febriani Aulia, Azizman Saad, Zarfiardy Aksa Fauzi, Ari Hidayat, Yenni Oktavia, Wiwit Ade Fidiawati</i>	
138. The Relation between Exercise Duration and Intensity on Phosphocreatine (PCr) Level: an Article Review .....	836
<i>Aprilia Durotun Nasikhah, Roy Januardi Irawan, Trias Mahmudiono</i>	
139. The Effect of Mixed Liquor Administration on The Johnsen's Score and The Number of Sertoli Cells and Leydig Cells on The Wistar Strain White Rats ( <i>Rattus norvegicus</i> ).....	840
<i>Aqidah Khariri, Anny Setijo Rahajuw, Arifa Mustika</i>	
140. Biological Activity Investigation of Phytocomponents in Mangosteen ( <i>Garcinia mangostana</i> L.): In Silico Study.....	847
<i>Arif Nur Muhammad Ansori, Raden Joko Kuncoroningrat Susilo, Suhailah Hayaza</i>	
141. A Mini-Review of the Medicinal Properties of Okra ( <i>Abelmoschus esculentus</i> L.) and Potential Benefit against SARS-CoV-2 .....	852
<i>Arif Nur Muhammad Ansori</i>	
142. Identify Population Attitude Towards Osteoporosis and Pharmacists Involvement in Community Education in Makkah, Saudi Arabia: A Cross-Sectional Study.....	857
<i>Arwa Fairaq, Byader Sulimani, Ghada AlAhmadi, Nouf Adnan Hijii, Rahma AlEsa, Sara AlHarthi and Yosra Alhindi</i>	
143. The Possible Relation between Pityriasis Alba and Intestinal Parasitic Infestation Among Children in Tikrit City, A Case Control Study .....	864
<i>Asaf Kamal Asaad Taha, Mazin Hamid Ayyash</i>	
144. Investigate the Therapeutic effect of Autologous Adipose-Derived Stem Cells (ADSCs) on Ischemic Renal Failure in Dogs. ....	871
<i>Bassim K .Khashjoori, M. S. Ghaji, Omar Tariq Hammoodi, Majid A. Alkhalani, Ali. A. Ajeel , Lubna Muslim Abdulkareem, Abdullah Qassim Mohammad</i>	
145. Correlation of PTEN Losses by Immunohistochemistry and Fish in Prostate Adenocarcinoma .....	879
<i>Batool Jameel Jubair, Sazan Abdulwahab Mirza Al-Atroshi</i>	
146. Impact of Diastasis Recti Abdominis and Low Back Pain on Quality of Life in Post-Partum Female	887
<i>Bhavna Gandhi, Shalaka Dhankar</i>	
147. The Influence of Interpersonal Communication on the Prevention Action of Dengue Hemorrhagic Fever (DHF) in Meo-Meo Public Health Center of Baubau City .....	890
<i>Budi Utama, Andi Zulkifli, Hasnawati Amqam, Wahiduddin, A. Arsunan Arsin, Lalu Muhammad Saleh</i>	
148. The Coronal Pulp Cavity Index an aid in age determination -A Cone Beam Computed Tomography Study .....	896
<i>Ceena Denny E, Bastian TS, Srikant Natarajan, Nithin Thilak, Almas Binnal</i>	

## XII

149. A Cross-sectional Radiological Study of Ossification at Lower End of Ulna and Tip of Olecranon among Children and Adolescents coming to Forensic Medicine Department, Medical College, Kolkata, for Age Estimation ..... 902  
*Chandan Bandyopadhyay , Anamica Chakraborty*
150. Determinant of Incompliance Medication People with Tuberculosis Disease ..... 909  
*Chilyatiz Zahroh, Nur Ainiyah, Nurus Saadah, Novita Nur Aini, I Ketut Sudiana, Ah. Yusuf*
151. COVID-19 – Current Status and Trends: A Comprehensive Review..... 915  
*Cinosh Mathew, Jayesh Rawal, Nishant Saxena, Ashish Sharma, Rahul Jain*
152. Tubo-ovarian Abscess and Uterine Leiomyoma in a 35-year-old woman with 8 years of infertility: A Case Report ..... 924  
*Cipta Pramana, Kartika Budi Peranawengrum , Jennifer Nanda Dewi, Charity Harlim, Victor Sepriyadi Wohangara, Dina Nihayati*
153. Prevalence of Drug abuse among ante Partum Females, Obstetric Department, Beni Suef University Hospital, Egypt ..... 928  
*Dalia Abd Elwhab Hassan, Manar .A Ahmad, Salwa Mahmoud Ali, Mohamed A Hussien, Doaa M. Khalil, Inas Abd El Rahim Ali, Mostafa Abdallah Abdel Alim*
154. Overview of the Content of Bisphenol A in the Amniotic Fluid of Pregnant Women And Its Adverse Health Outcomes..... 936  
*Dardan Dreshaj, Flaka Pasha*
155. Study of Students' Perception Regarding Open Book Assessment and Closed Book Exams..... 946  
*Dayananda R, Mahantesh Patil, Manjunath S N, Rajapur Parshuram, Vijay Kautilya*
156. Mandibulectomy in Desmoplastic Ameloblastoma: Physiotherapeutic Approach in a Sporadic Oral Surgery Case ..... 950  
*Deepali Patil, Waqar M. Naqvi, Pratik Phansopkar*
157. Pattern of Alleged Homicidal Deaths in and Around Cooch Behar Region..... 954  
*Deepmalya Sengupta , Pranabesh Bharatee , Saikat Saha , Rajib Prasad*
158. Evaluation of Posture and Quality of Life in Females Undergone Modified Radical Mastectomy: A Research Protocol..... 963  
*Aachal Birelliwari, Shalaka Dhankar*
159. Retraction in Orthodontics – A Short Review ..... 966  
*R. Vighnesh, Ashith M.V, Siddarth Shetty, Supriya Nambiar, Nidhin Philip Jose, Shravan Shetty, Asavari Desai*
160. Study of Replantation and Revascularization of Limb and Its Parts ..... 975  
*Aditya Damani, Priyank K.Katwala, Vinayak Lokare*
161. Reliability of Different RBC Indices and Formulas in the Discrimination of  $\beta$ -Thalassemia Minor and Iron Deficiency Anemia in Surabaya, Indonesia..... 984  
*Yulia Nadar Indrasari, Yetti Hernaningsih, Munawaroh Fitriah, Arifoel Hajat, I Dewa Gede Ugrasena, Narazah Mohd Yusoff*

162. The Effect of Interleukin-10 And Its Relationship with The Level of White Blood Cells in Women Spontaneous Miscarriage Undergoing Intracytoplasmic Sperm Injection (ICSI) technique..... 990  
*Dhirgam F. Hassan Al-Shimerty; Alaauldeen S. M. AL-Sallami*
163. Constitutional Right to Vote for People with Mental Disorders (PMWD) with Case Study in Yogyakarta, Indonesia ..... 995  
*Diastama Anggita Ramadhan*
164. Purified Pyocyanin from Clinical Isolates of Pseudomonas aeruginosa Enhances Antibiotic Sensitivity Against Some Pathogenic Bacteria..... 999  
*Duaa Ghazi, Hasan Faisal Kahya*
165. Efficacy of Plyometric Training on the Agility in Police Cadets ..... 1008  
*Dushyant Bawiskar, Pratik Phansopkar*
166. Correlation between CD4 T lymphocyte and Candida Species Counts In Oral Candidiasis Patients with HIV / AIDS ..... 1013  
*Dwi Murtiastutik, Cita Rosita Sigit Prakoswa, Indah Setyawati Tantular , Evy Ervianti, Afif Nurul Hidayati, Muhammad Yulianto Listiawan*
167. Epigallocatechingallate (EGCG) Antifungal Properties for Candida Isolates from HIV/AIDS Patients with Oral Candidiasis in Compare with Fluconazole ..... 1021  
*Dwi Murtiastutik, Cita Rosita Sigit Prakoswa, Indah Setyawati Tantular, Yusuf Wibisono, Afif Nurul Hidayati, Sawitri, Muhammad Yulianto Listiawan*
168. The Significance of CD4 to the Number of Grown Candida Colonies in Oral Candidiasis Patients with HIV / AIDS ..... 1027  
*Dwi Murtiastutik, Cita Rosita Sigit Prakoeswa, Indah Setyawati Tantular*
169. The Significance of CD4 to the Number of Grown Candida Colonies in Oral Candidiasis Patients with HIV / AIDS ..... 1030  
*Dwi Murtiastutik, Cita Rosita Sigit Prakoeswa, Indah Setyawati Tantular*
170. Impact of Bone Marrow Mesenchymal Stem Cells on Different Body Organs of Albino Rats Exposed To Cadmium Chloride Toxicity: A Systematic Review ..... 1038  
*Elham H. Ahmed, Mohammed E. Grawish, Mohamed Abdulrahman, Menatalla M. Elhindawy, Mohamad E. Helal*
171. Diagnostic Accuracy of Recto-Sigmoid Index Evaluation on Barium Enema in Hirschsprung's Disease ..... 1045  
*Emma Ratna Fury, Andy Darma, Alpha Fardah Athiyyah*
172. Edible Oils Consumption and the Fatty Acids Profile of the Most Common Consumed Brands in Shiraz, Iran ..... 1052  
*Erfaneh Aalipanah , Enayat Berizi, Anoush Khamoushi , Morteza Zare, Zahra Sohrabi*
173. Mitigation of the Biofilm Using Nanoparticles By Enhanced by D-alanine and D-proline ..... 1062  
*Fakhri Alajeeli*



## XIV

174. Detection the Serogroups of Escherichia coli isolates from Urine sample of UTI patients ..... 1068  
*Fakhri S.Ahmed Ph.D*
175. Management of Non-Vital Teeth Discoloration with the Internal Bleaching : A Case Report ..... 1072  
*Dewi Fitria Anugrahati, Rizky Ernawati, Windi Irsya, Yulianti Kartini Sumur, Sukaton, Kun Ismiyatin*
176. The Relationship between Antithyroid Antibody and Pregnancy Outcome in Invitro Fertilization and Embryo Transfer..... 1077  
*Fawz Alaa alikhan, Azhar Mousa AL-Turiah, Asceel Hassan Bader*
177. The Effect of Conventional Method on the Length of Treatment Days for Children Underwent Circumcision at Poniran Khitan Centre Bengkulu ..... 1087  
*Ferasinta, Andri Kusuma Wijaya, Desri Suryani*
178. Neutrophil Lymphocyte Ratio and Acid-Fast Bacilli in Tuberculosis ..... 1091  
*Haerani Harun, Muhammad Nasir, Sumarni, Rosa Dwi Wahyuni, Dita aridhatamy, Nur Aulia Pratiwi*
179. The Extent of the Need for Teaching Forensic Sciences for Law Students in Jordanian Universities 1097  
*Hamzeh Abu Issa, Ma'en Juwaihah*
180. Does Husband/Partner Matter in Reduce Women's Risk of Worries?: Study of Psychosocial Burden of COVID-19 in Indonesia ..... 1101  
*\*Hario Megatsari, Agung Dwi Laksono, Yeni Tri Herwanto, Kinanty Putri Sarweni, Rachmad Ardiansyah Pua Geno, Estiningtyas Nugraheni, Mursyidul Ibad*
181. Effectiveness of Playing Origami Intervention on Improvement of Fine Motor Development Pre School Children ..... 1107  
*Harsismanto J, Larra Fredrika, Novia Wati, Padila, Desri Suryani, Yandrizar*
182. The ITGA2B gene Polymorphism Associated with Glanzmannthrombasthenia in Sample of Iraqi Patients..... 1113  
*Hayderkareemkataa AL-Aidy, EhabDawood Salman, Zaid Jamal Mahmood*
183. Isotherms, Kinetics and Thermodynamic Studies for Removal the Valium from Stomach and Intestine Fluids via Adsorption on Egg Shells Powder..... 1121  
*Hayfaa. J. Sinbah, Majida. H. Khazaal, Nadia. S. Majeed*
184. Housing for Elderly in Nursing Home on the Level of Satisfaction in the work Area of Social Service of Surabaya..... 1130  
*Hidayatus Sya'diyah, Sukma Ayu Candra Kirana, Diyan Mutyah, Ayu Citra Mayasari*
185. The Correlation of DSD Teeth Outline Ratios to Q-Sort Smile Assessment and Smile Mesh Analysis..... 1137  
*Hussein A. Alnajar, Ameer A. Altabatabaie, Ahmed A. Alquzweeni, Tholfqar majed*
186. Pulmonary Artery Hypertension in Acyanotic Congenital Heart Disease Underwent Transcatheter Closure at Dr. Soetomo Hospital ..... 1143  
*I Ketut Alit Utamayasa, Mahrus A Rahman, Taufiq Hidayat, Teddy Ontoseno*

187. Correlation between Elevated Serum Progesterone in the Day of Hcg Injection, Metaphase II Oocytes and Their Impact on The Success of ICSI ..... 1148  
*Ibrahim Badr, Hesham Sayed, Yahia Mohammed, Ahmed Mohamed, Mohammed Shehata*
188. Nutritional Status, Dust Exposure and Risk Factors for Acute Respiratory Infections for Workers in Industrial Estates ..... 1156  
*Ichayuen Avianty, Fakhrurradhi Luthfi, Suharto, Nanda Novziransyah, Kipa Jundapri, Rubi Ginanjar, Ade Saputra Nasution*
189. Expression of FOXP1 and p53 in Reactive Lymphoid Lesion and B-cell Non-Hodgkin Lymphoma, Large Cell Type ..... 1161  
*Ita Ellyana, Nila Kurniasari*
190. The Correlation between Body Mass Index and Lifting Frequency with Low Back Pain Complaints on Rice Transport Workers in Warehouse of Perum BULOG Subdivre Pematangsiantar..... 1168  
*Ita Riyana Limbong, Noeroel Widajati*
191. Analysis of Genetic Variations And Specific Locus of Banjar Hulu Tribe Through Short Tandem Repeat (STR) Locus Combine Dna Index System (Codis) in Nuclear DNA ..... 1175  
*Iwan Aflanie, Roselina Panghiyangan, Pandji Winata Nurikhwan, Ahmad Yudianto, Toetik Koesbardiati*
192. The Changes in Some Hematological Parameters among University Students Due to Stressful Conditions During and after Examinations Period ..... 1181  
*Jehad F. Alhmoud, Husni S. Farah, Talal Al-Qaisi, Walaa Hamdan, Ghaleb A. Oriquat, Ali Atoom, Khalid M. Al-Qaisi*
193. Nurse Educator-Led an Educational Intervention on Critical Care Nurses' Knowledge Regarding Endotracheal Suctioning ..... 1187  
*Jihad Jawad Kadhim, Fakhria Gaber Mhabes*
194. Relationship of Low Maternal Vitamin D3 Level and Adverse Early Neonatal Outcomes ..... 1197  
*Kawakib Hussein Noamam, Thikra Najim Abdulla*
195. Caries Risk Assessment in Children Aged 6-12 years based on Parental Knowledge and Its Relationship with BMI and DMFT in Ahvaz ..... 1205  
*Leila Basir, Targol Amini, Shabnam Rasti*
196. Perianal Care Proven to Reduce the Incidence of Diaper Dermatitis ..... 1212  
*Lina Mahayaty, Nani Nurhaeni, Dessie Wanda, Fitriah*
197. LIP Prints Patterns: A Study among the Aryan and Dravidian Ethnic Population in India- A Cross Sectional Study ..... 1218  
*Lubna Fathima, Suganya P, Sunayana Manipal, Prabu D, Bharathwaj, Raj Mohan*
198. Detection of Endometrial TB in Patients with AUB using PCR Method of Assessment of Menstrual Blood Flow of Iraqi Females ..... 1224  
*Maad Mehdi Shallal, Farah AbdulHussein Salih Al-Asadi, Mohammad Ibrahim Mizaal*

## XVI

199. Nasal Polyps :An Etiological Analysis ..... 1231  
*Magda Abd El-latif, Sayed Kadah, Ahmed Yehia*
200. A study of Thyroid Function test and Lipid Profile in Pregnancy ..... 1238  
*Mahantesh Patil, Arpitha M R, Dayananda R, Meera S*
201. Characteristics, Diagnosis, Management and Output of Persistent Pulmonary Hypertension of the Newborn at Dr. Soetomo Hospital ..... 1243  
*Mardiyana Aprianto, Mahrus A Rahman, Martono Tri Utomo*
202. Factors that affect on the Event of Lung TB in Jati Kudus Health Center ..... 1254  
*Maria Ulfa, Windhu Purnomo, Rachmah Indawati*
203. Study the Role of Ph in Curli Biogenesis Gene Expression in Enterobacter Cloacae Local Isolates.. 1260  
*Marrif N. Rasheed, Basima Qasim Hasan Al-Saadi, Osama Mohammed Hasan, Noor Yahy Salman, Sara Faisal*
204. Neonatal Death Incidence in Healthcare Facility in Indonesia: Does Antenatal Care Matter? ..... 1265  
*Masruroh, Ah Yusuf, Nikmatur Rohmah, Irfansyah Baharudin Pakki, Anita Dewi Prahastuti Prasajo, Qurnia Andayani, \*Agung Dwi Laksono*
205. Relationship between sexual desire and premenstrual syndrome in young women in Iraq ..... 1272  
*Miaad Jasim Mohammed, Ali A. Al-Fahham, Shukriyia Shadhan Al- Ogaili*
206. Efficiency of Determination of Elemental Composition of Metals and their Topography in Objects of Biological Origin Using Spectrometers ..... 1278  
*Mikhailenko O.V., Roshchin H.H., Dyadik O.O., Irkin I.V., Malisheva T.A., Kostenko Ye.Ya., Gunas V.I., Hel A.P.*
207. Association of Pure Tone Audiometry with DPOAE in Students after Shooting Practice at East Java State Police Academy, Mojokerto, Indonesia ..... 1285  
*Mochammad Ridwan Indiyana, H.M.S. Wiyadi, Artono, Nyilo Purnami*
208. Pharmaceutical Mini-Tablets Overview ..... 1291  
*Mohammad F. Bayan, Hala M. Sbaih and Mohamed J. Saadh*
209. Relationship Between High Sensitivity TNF- $\alpha$  WITH clinical outcome During Admission In Acute Ischemic Stroke ..... 1305  
*Mohammad Saiful Ardhi, Mohammad Saiful Islam*
2010. Study the effect of purified alginate from Pseudomonas aeruginosa on Hep G2 and A549 cell lines. .... 1309  
*Mohammed S. Ismaieel, Muthanna Hamid Hassan*
2011. Efficacy and Safety of Sacral Neuromodulation in Treatment of Refractory Overactive Bladder..... 1315  
*Mohammed Bassil Ismail, Wameedh Qays Abdullhussein*
2012. Retinoic Acid Treatment of Human Hematological Malignancies Induces Caspase Dependent and Independent Apoptotic Cell Death ..... 1322  
*Mohammed S. Mohammed, Maha Fakhry Altaee, Ahmed Majeed Al-Shammari*

213. Non-Hodgkin's Lymphoma in the Parotid Gland Similar to Benign Lymphoepithelial Lesion: A Case Indonesian Male ..... 1334  
*Muhammad Arif Sudioanto Utama, Widodo Ario Kentjono*
214. The Influence of the GETAR Spiritual Approach on Smoking Behavior of Junior High School Students in Palu City, Indonesia ..... 1340  
*Muhammad Ryman Napirah, Ridwan Amiruddin, Sukri Palutturi, Stang, Aminuddin Syam, Darmawansyah, Rosmala Nur*
215. Teaching-Learning Styles & Aids Student's Preferences among first Year Undergraduate Medical Students in the College of Medicine, University of Missan, Iraq ..... 1346  
*Mustafa M. Al-Yassiry, Farah K. Aloraibi, Haider Saadoon Qasim Alhilfi*
216. The Exposure of Gap Competence causes in Stunting Children Ages 0-12 Months in Makassar Indonesia: Cross-Sectional Study ..... 1354  
*Mustamin, Sirajuddin, Mahmud*
217. The Interleukin-6 (rs1800797) Variant in Healthy Individuals at Medan City, North Sumatera Province ..... 1361  
*Mutiara Indah Sari\*, Siti Syarifah, Milahayati Daulay, Zaimah Z Tala*
218. Effect of *Malus sylvestris* Extract on Histopathological Features of Hypercholesterolemic Wistar Rat (*Rattus norvegicus*) Fatty Liver ..... 1367  
*Nadhifa Tanesha Aufazhafarin, Alphania Rahniayu, Ema Qurnianingsih, Arifa Mustika*
219. Hyperglycemia in Childhood Acute Lymphoblastic Leukemia During Induction Chemotherapy ..... 1373  
*Nengcy Erlina Tasik Rerung, Andi Cahyadi, Nur Rochmah, Maria Christina Shanty Larasati, Mia Ratwita Andarsini, Muhammad Faizi*
220. Correlation of Hot Work Climate with Dehydration on Bricks Workers ..... 1379  
*Nesya Shera Putri Iksani, Endang Dwiyanti*
221. Equality of Suffrage for People with Mental Disorders in Malang City ..... 1387  
*Nofti Sri Utami, Nanik Prasetyoningsih, Kuswanto Kuswanto*
222. Determining the Exposure of Benzene, Toluene, Xylene (in Condensate ) in a Chemical Laboratory of Natural Gas Company by Chemical Health Risk Assessment (CHRA) ..... 1392  
*Nora Putri Sabilla, Noeroel Widajati*
223. A questionnaire-based Study of Knowledge and Attitude in Healthcare Professionals about Child Sexual Abuse related to POCSO (Protection of Children from Sexual Offences) Act: A Cross-sectional Study ..... 1398  
*Nowsheen Goni, Mukesh Kumar Goyal, Chahat Shikarwar, Chahat Jangir*
224. Level of Knowledge and Family Support toward Medication Adherence among Patient with Diabetes Mellitus in Malang, Indonesia ..... 1406  
*Nur Lailatul Masruroh, Alifia Fatehana Pangastuti, Nur Melizza, Anggraini Dwi Kurnia*

## XVIII

225. Influence of Exercise Classics on the Development the Volume of Attention of Schoolchildren Aged 8-9..... 1414  
*Polevoy G. G.*
226. The Possibility of Healing Deep Wounds in Rats Using Helium Neon Laser..... 1419  
*Rabab Hajwal Al-Zamily*
227. The Role of Legal Sociology in Terms of Covid-19: Large-Scale Social Restrictions (PSBB) in Indonesia ..... 1425  
*Rahayu Hartini, Yusufa Ibnu Sina Setiawan*
228. Factors affecting The Occurrence of Tuberculosis Destroyed Lung ..... 1432  
*Retno Ariza Soeprihatini Soemarwoto, Anse Diana Mesah, Hetti Rusmini, Muhammad Arlek*
229. Health Rights for Indonesian Migrant Workers in Malaysia: A Legal Perspective ..... 1438  
*Rizka Rizka, Heru Santoso Wahito Nugroho, Arief Budiono, Wafda Vivid Izziyana, Ayesha Hendriana Ngestingrum*
230. Comparison of Clinical Characteristics and Neuroimaging of Cerebral Palsy with and without Epilepsy in Children..... 1442  
*Rizka Yulianti, Prastiya Indra Gunawan, Darto Saharso*
231. Association of rs865429 C/T polymorphism in SOST gene with Coronary Heart Disease in Iraqi Type 2 Diabetes Mellitus Patients..... 1451  
*Ruaa Ali Mohammed Ali, Rasha Shaker Nima*
232. Knowledge of HIV Transmission and Factors Related to the Incidence of HIV/AIDS in Adolescents in Indonesia..... 1459  
*Ruri Kharisma Fitriani, Lutfi Agus Salim*
233. Molecular& Antifungal Suceptibility Identification of Candida albicans Isolated from Samples of GIT Children with Diarrhea in Diyala Province Iraq..... 1465  
*Sabah M.Ali, Sarah A. Dawood, Luma T. Ahmed*
234. Markers of Bone Turnover in the Evaluation of Diagnosis and Prognosis of Multiple Myeloma in a Sample of Iraqi Patients ..... 1472  
*Sadik A. Abdullah, Waseem F. Al-Tameemi, Ghassan A.A. Al-Shamma*
235. Histological Effect of Androgenic Anabolic Steroids on Liver ..... 1480  
*Sahar Dakhil Yonis, Asaad Abd Al-Hussain Mohammad Al-Shouk, Alaa S. Hachem*
236. Teachers' Attitude Toward Children with Attention-Deficit Hyperactivity Disorder (ADHD) at Primary Schools in Al- Nasiriyah City, Iraq..... 1488  
*Saja Mahdi, Ali Kareem Al-Juboori*
237. Guidelines for Maintaining Physical Fitness During COVID-19 Pandemic ..... 1495  
*Sakina S. Saifee, Angela Kapoor*
238. Effect of Hemodialysis on Some Biochemical Parameters in Diabetic Nephropathy Patients ..... 1499  
*Salahaldin M. Fahad, Rashied M. Rashied, Waleed N. Jaffal*

239. Submaximal Exercise Task Post Clinical Balance in COPD Patients and its Correlation with Quadriceps Girth, Body Mass Index and Disease Severity ..... 1505  
*Samana Sayed, Waqar M. Naqvi, Pratik Phansopkar*
240. Evaluation the Effect of Disclusion time Reduction (DTR) in Management Myofacial Pain Syndrome in Iraqi Patients Using the Digital Occlusal Analysis (T-scan)..... 1513  
*Sanaa Abdul Hameed Hussein, Jamal N. Ahmed*
241. Estimation of Selenium and Toxic Metals (Mercury, Lead) in Some Type of Canned and Fresh (Meat and Fish) ..... 1522  
*Sanaa K. Shanan, Nadhum A. Awad, Bassam A.B.Alabdul Aziz*
242. Profile of Contralateral Patent Processus Vaginali in Pediatric Patients with Unilateral Inguinal Hernia ..... 1527  
*Sapta Prihartono Rachman, Kustiyo Gunawan, I.G.B. Adria Hariastawa*
243. Medicolegal Analysis of Sodomy Cases at Beni-Suef Governorate From January 2011 to December 2015 – A Retrospective Study ..... 1532  
*Sarah A. Khater, Sherien Salah Ghaleb, Lamiaa Ewis Abd Alfatah, Manar .A Ahmad*
244. Genetic Modification of Mitochondrial DNA in Cancer Cells ..... 1538  
*Shaimaa A. Al-Oubaidy, Asmaa Mohammed Mekkey, Ahmed Zuhair Alwaeli*
245. Influence of Melatonin in the Treatment of Experimental Enterobius Vermicularis Infection ..... 1548  
*Shaimaa A. Shlash, Noor M. Hasnawi , Hussein A. Kadhum, Ali A. Al-fahham*
246. Dynamic Changes in Salivary Cortisol and Protein among Dental Students ..... 1552  
*Shaimaa Hamid Mudher, Elham Hazeim Abdulkareem , Hanaa Abdul Jabbar Saleh*
247. Prevalence of Smoking among Iraqi Female Medical Providers in Baghdad ..... 1557  
*Shawq K. Alashab, Alkhudhairi Jamal Mahmoud, Hamsa J. Mahdi*
248. Retrospective Study of Acute Pediatric Intoxication Cases by Household Products Presented to the Poison Control Center of Ain-Shams University Hospitals..... 1563  
*Sherien Salah Ghaleb, Lamiaa Ewis Abd Alfatah, Hoda Sayed Mahmoud*
249. Maternal Comorbidities Associated with Preterm Deliveries in Comparison with Full Term Delivery in Al-Zahraa Teaching Hospital in Al Najaf City ..... 1567  
*Shymaa Nema Hamed Alsaltani, Samer Nema Yassen Alkewawy*
250. Factors Cause of Switching Shorter Regimen to Longer Regimen in Multidrug-Resistant/ Rifampicin-Resistant Tuberculosis Treated Patients in Dr. Soetomo Hospital Surabaya, Indonesia.. 1576  
*Soedarsono Soedarsono, Tutik Kusmiati, Prastuti Asta Wulaningrum, Ariani Permatasari, Dwi Wahyu Indrawanto*
251. Novel Combination of Andrographis paniculata and Phyllanthus niruri to Improve Performance of Laying Hens Infected with Escherichia coli ..... 1583  
*Sri Hidanah, Emy Koestanti Sabdoningrum, Sri Chusniati, M. Bagus Kurniawan Saputra*

**XX**

252. Antibacterial Activity of Extract Ethanol Bidara Leaves (*Ziziphus spina-Christi* L) on Enteropathogenic coli ..... 1589  
*Sri Mulyani, Merryana Adriani, Bambang Wirjatmadi*
253. The Chemical and Physical Parameters as Indicator of Office Air Quality at PT X Coal Mining Company ..... 1596  
*Tiara Nurhafizhah, Indri Hapsari Susilowati, Bonardo Prayogo Hasiholan Abdul Rohim Tulaeka*
254. The Relation between Exercise Duration and Intensity on Phosphocreatine (PCr) Level: an Article Review ..... 1600  
*Trias Mahmudiono, Aprilia Durotun Nasikhah, Roy Januardi Irawan*
255. Factors that Contribute to the QTc Interval Prolongation in DR-TB Patients on STR Regimen ..... 1605  
*Tutik Kusmiati, Ni Made Mertaniasih, Johannes Nugroho Eko Putranto, Budi Suprapti, Desak Putu Agung Krisdanti, Yulia Devina Suci Kusumastrini, Soedarsono*
256. Discordance between Genexpert, Line Probe Assay and Drug Susceptibility Test in Assessing Drug-Resistant Tuberculosis ..... 1613  
*Tutik Kusmiati, Kristin Purnama Dewi, Yulia Devina Suci, Soedarsono*
257. Complex Post Traumatic Stress Disorder (CPTSD) for University Students..... 1621  
*Natik Fahal Al-Kubaisy, Uday Khalid Abdul Jabbar Al Qaisy*
258. Revealing Potency of Bioactive Compounds as Inhibitor of Dengue Virus (DENV) NS2B/NS3 Protease from Sweet Potato (*Ipomoea batatas* L.) Leaves ..... 1627  
*Viol Dhea Kharisma, Rasyadan Taufiq Probojati, Ahmad Affan Ali Murtadlo, Arif Nur Muhammad Ansori, Yulanda Antonius, Muhammad Badrut Tamam*
259. The Role of EMMPRIN in Perirenal Fat Invasion Clear Cell Renal Cell Carcinoma ..... 1633  
*Vira Yasmina Ramadhani, Anny Setijo Rahaju, Nila Kurniasari*
260. Measuring the Health Impact of Drinking Water Sources in El-Fashir, Sudan..... 1640  
*Waed Alahmad, Ahmed Abu-Rayyan, Najm Eldinn Elsser Elhassan, Mohammed Ismail Humaida*
261. Incidence of *Toxoplasma Gondii* and Relationship with Some Inflammatory Factors in Babylon Province ..... 1647  
*Widad Hashim Yahya Almuhana, Ahmed Khudhair Al-hamairy*
262. Phylogenetic Analysis of TTV (TorqueTeno Virus) in Iraqi Woman Suffering of Failure Kidney Disease ..... 1659  
*Yasameen Hasan Ali, Tariq M Quasim, DBEL Wahab R. Alshaikly*
263. Comparison of Different Diagnostic Techniques for the Identification of Pulmonary Tuberculosis and Using Serum Tnf-A Levels as a Biomarker for Evaluating the Severity of Tuberculosis..... 1665  
*Yaser Jasem, Al-khatony, Halah Abdulkhaliq Awadh Alhadethy, Mahmood Abduljabar Altobjy*
264. Effect of Resveratrol in Expression of Caspase-7 and Retinal Ganglion Cells in a Rat Model With Traumatic Optic Neuropathy ..... 1673  
*Yunita Budu, Andi Muhammad Ichsan, Habibah S Muhiddin,*

265. The Effect of Ascorbic Acid and Selenium intake on serum Cortisol in rats Under Restraint Stress 1681  
*Zahraa Abdel Al-Jawad, Ali A. Al-Fahham*
266. Gene Expression and Serum IL-23 in Asthmatic Iraqi Children ..... 1686  
*Zahraa Tahsen Abdulkareem, Basima Q. Hasan AL-Saadi*
267. A Comparative Study to Evaluate the Effect of Ultrasonic Agitation on Push - Out Bond Strength of Three Root-End Filling Materials: An In Vitro Study..... 1694  
*Zainab M. Abdul- Ameer, Samar Abdul Hamed, Rasha H. Jehad*
268. The Effect of Drinking Water Quality on Some Hematological Parameters In Female Laboratory Mice ..... 1702  
*Zaman Subhi Madlool · Sara Omran Issa*
269. Assessment of Nurses' Knowledge Concerning Early Detection for Hypothyroidism/ Hyperthyroidism in Baghdad Teaching Hospitals ..... 1708  
*Ahmed F. Hassan, Sabah A. Ahmed*
270. Assessment of Employees' Knowledge Concerning Contributing Factors and Early Detection for Prostate Cancer in Baghdad University Colleges in bab-Almudam ..... 1712  
*Haider M. Majeed, Hussein Hadi Atiyah*
271. A Study Protocol for Checking Validity of Evaluation of Temporal Parameters of Gait Using Microsoft Kinect Azure in Normal Healthy Population ..... 1718  
*Jasraj Kaur Bhamra, Waqar Naqvi*
272. Morphometry and Morphology of Acromian Process of Scapula ..... 1722  
*Kinjal Jethva, Priyanka Sharma, Nirali Chavda, Hetal Vaishnani, K.M.Parmar, A.R.Gandotra*
273. A Study Protocol for Checking Efficacy of Microsoft Kinect Azure for Evaluation of Spatial Parameters of Gait in Normal Healthy Population ..... 1728  
*Manpreet Kaur Bhamra, Waqar Naqvi*
274. Estimation of Interleukin-4 (IL-4) and Interleukin-6 (IL-6) Levels in Sera From Patients with Type 2 Diabetes Mellitus ..... 1732  
*Mazin Maky Thamer, Chee Fah Wong, Zafir Hassan Ghali*
275. Glial Fibrillary Acidic Protein (GFAP) and Cleaved Tau Protein (CTP) Biomarkers as a Forensic Tool for Detection and Assesment of Traumatic Brain Injury ..... 1740  
*Mohamed Kamel Mohamed, Mervat Hamdy Abd Elsalam, Eman Abd Elfattah mohammed Elzohairy, Dina Sabry Abd Elfattah, Ehab Abd Elhalim Abd Elsalam*
276. Cognitive Impairment and Its Impact on Quality of Life in Rural Indian Female after Stroke: A Cross Sectional Study Protocol..... 1749  
*Nikita S. Deshmukh, Ashish Bele*
277. The Accuracy of Intrinsic Compression Ultrasound Elastography (E-Thyroid) in Differentiating Benign From Malignant Thyroid Nodule ..... 1754  
*Najlala Hanoon*



## XXII

278. Comparison of Success Rate of Estrus and Pregnancy between Laser Puncture and Intra Vaginal Progesterone Sponge in Bali Cattle..... 1760  
*R. Tatang Santanu Adikara, Herry Agoes Hermadi, Warsito Sunaryo Hadi, Lita Rakhma Yustinasari*
279. ACO-based Type 2 Diabetes Detection using Artificial Neural Networks..... 1765  
*Aliakbar Tajari Siahmarzkooh*
280. A Study for Assessment of Perception and Attitude of Medical Students about Medical Ethics, Consumer Protection Act (CPA) and its Influence on Violence against Doctors..... 1772  
*Ankita Kakkar, Sushil Kumar, Archana Verma, Alok Kumar, Raj Kumar*
281. To Study the Intervention of Bell's Palsy by Video Self Modelling through Kinect Azure : A Research Protocol..... 1777  
*Madhura R. Darware, Divya Jethwani*
282. Impact of Bedaquiline on Multidrug-Resistant Tuberculosis Treatment to Mother and Baby: An Incidental Case ..... 1783  
*Tutik Kusmiati, Faradila Nur Aini*
283. Migraine Headache and Gender Differences of Bagdad City Population/ Iraq..... 1787  
*Wael Waleed Mustafa, Samer Shukur Mohammed, Zainab Ali Naser*
284. Orofacial Tuberculosis: An Uncommon Manifestation of A Common Disease- A Narrative Review..... 1793  
*Padma Charan Patra I, Priyadarshini Choudhury, Shamimul Hasan, Shazina Saeed*
285. Role of Vitamin D For Oral Health and Overall Health ..... 1806  
*K.Sheela, Dhanasekhar Kesavelu*
286. Knowledge, Attitude and Practice Towards Management of Trauma to Anterior Teeth among Faculty Members and Undergraduate Students in Dental and Medical Institute in South India..... 1812  
*Vignesh Kamath, Harsha Hegde, Vijay Namdevrao Yannawar, Ganesh Ramesh Kotalwar, Amol Sangewar, Swapna Bettanapalya Venkatesh, Smitha Sammith Shetty*
287. Effect of Sweet Potato Anthocyanin (Ipomoea Batatas L.) on Levels of Follicle Stimulating Hormone and Folliculogenesis in Rattus Norvegicus Exposed to Cigarette Smoke ..... 1820  
*Astika Gita Ningrum, Retty Ratnawati, Sri Andarini*
288. Correlation between the Expression of E6 HPV with p53 and p16INK4A at Cervical Adenocarcinoma and Cervical Normal ..... 1827  
*Gondo Mastutik, Alphania Rahniayu, Nila Kurniasari, Anny Setijo Rahaju, Rahmi Alia*
289. Correlation of Physical Activity with Fear of Fall in Patients with Total Knee Replacement - A Research Protocol..... 1835  
*Nupur Thombare Shalaka Dhankar*
290. The Risks of Femoral Nailing in the Positioning of Hemilithotomy on Traction Table Getting A Contralateral Well-Legdrop-Foot..... 1840  
*Jasraj Kaur Bhamra, Manpreet Kaur Bhamra, Waqar M. Naqvi*
291. Correlation between Workload and Work Environment with Work Stress..... 1846  
*Shabrina Firsta Aulia, Putri Ayuni Alayyannur, Endang Dwiyantri, Tri Martiana, Shintia Yunita Arini*

292. The Role of Ultrasonography in The Diagnosis of Oral and Maxillofacial Disease ..... 1853  
*Ni Putu Mira Sumarta, David Buntoro Kamdjaja, Roberto Manahan Yantie Simandjuntak*
293. Association of Gamma-GT Serum and Nerve Conduction Velocity of Nervus Peroneus Motor Vehicles on Diabetic Polyneuropathy Patients ..... 1859  
*Januar, Mudjiani Basuki*
294. In situ Molecular Hybridization of Kaposi's Sarcoma Associated Virus (Human Herpes Virus 8) in Nasopharyngeal Carcinoma Tissues ..... 1865  
*Zainab A. Hamid, Zahraa Ali Abdullah, Isra'a Mahdi Al-Sudani, Saad Hasan Mohammed Ali, Shakir H. Mohammed Al-Alwany, Khalil Ismail A. Mohammed*
295. Smoke Exposure at Home to the Incidence of Pneumonia in Children Under 5 Years Old..... 1872  
*Eny Dwimawati, Galuh Pradian Yanuaringsih, Resmi Pangaribuan, Nina Olivia, Fitriani Pramita Gurning, Muchti Yuda Pratama*
296. Factors Affecting Romantic Relationship Satisfaction of University Students ..... 1879  
*Kyu Eun Lee, Hae Kyung Chang*
297. Video Self Modelling - An Intervention to Study Bell's Palsy through Kinect Azure: A Research Protocol ..... 1886  
*Madhura R. Darware, Divya Jethwani*
298. The Association between Teeth Loss and Oral Health Problems ..... 1892  
*Aesa Alzaroug Jaber, Alshame M.J. Alshame, Khaled Owidat Abdalla, Prabhu Manickam Natarajan*
299. Relationship between Inflammatory Response and Pathology of *Listeria monocytogenes* ..... 1903  
*Ali Anok Njum, Jabbar Afate ALwan, Yasir Faisal Abbas*
300. Epidemiological Study of Burn Deaths at a Tertiary Care Centre in Mumbai ..... 1907  
*Babaso Kalel, Pawan Sabale, Shailesh Mohite*
301. Assessment of Occupational Stress in Medical Doctors Working in Tertiary Care Hospital ..... 1913  
*Dipika Baria, Tejas J. Shah, Shruti Brahmhatt, Mahavir Rajput*
302. Pre-Analytical Errors in Clinical Diagnostic Laboratory: A Crucial Step to Look for Accuracy and Reliability ..... 1919  
*Tejas J. Shah, Roshni Sadaria, Smita Vasava*
303. Primary Prevention of COVID 19 ..... 1925  
*Preksha Luthra*
304. A Critical Appraisal of Inclusions of "Bioethics in Laboratory Medicine" into the Existing Postgraduate Curriculum of Pathology, Microbiology and Biochemistry ..... 1933  
*Anjankar Ashish P, Ninave Sudhir, Mishra Gaurav V*
305. Personal Hygiene Practices and Morbidity Pattern among A Tribal Primary School Children Of Maharashtra ..... 1939  
*Ashish Wasudeo Khobragade, Ninad Nagrale, Mohd. Junaid*

## XXIV

306. Diabetes in COVID-19: Management..... 1944  
*Shruti Brahmhatt, Vihang Brahmhatt, Maulin Mehta, Tejas Shah*
307. The Effect of Communication Ability of Care Workers in Charge of Visiting Care in Elderly at-Home Welfare Centers on Quality of Service: with Empathy as Mediator ..... 1948  
*Hee Kyung Kim*
308. Assessing the Training Needs Regarding ‘Breaking Bad News’ amongst Emergency Medical Services (EMS) Professionals in Pune India..... 1954  
*Parag Rishipathak, Shrimathy Vijayaraghavan, Dr. Anand Hinduja*
309. Assessment of Awareness and Preparedness regarding Management of Major Traumatic Haemorrhage in Prehospital Settings amongst EMS Professionals, Pune, India..... 1960  
*Parag Rishipathak, Navnita Sengupta, Anand Hinduja*
310. To Assess Awareness Regarding Child Abuse and Neglect , amongst Emergency Medical Professionals in Pune, India – A Pilot Sludy ..... 1965  
*Parag Rishipathak, Monesh Bhandari, Anand Hinduja*
311. To Assess Preparedness in Disaster Management among EMS Professionals in Pune, India ..... 1971  
*Parag Rishipathak, Monesh Bhandari, Anand Hinduja*
312. A Comparative Study Between Nineveh and Tikrit Medical School Teachers Perceptions regarding the Effectiveness of OSCE in Clinical Examination ..... 1976  
*Wafa Mahmood Jasim, Zahraa Ahmed Hassan*
313. Assessment of Nurses Knowledge about Alzheimer’s disease ..... 1984  
*Hussein A. Dabis, Amer A. Sachit, Fatima J. Shinjar*
314. Demographic and Clinicohistological Profiles of Women Diagnosed with Breast Cancer at Al-El Wiya Maternity Teaching Hospital / Baghdad: A Retrospective Study ..... 1991  
*Zaynab S. Abdulghany, Najim Al-Kalidy, Maeda H. Mohammad, Noor H. Ismail*
315. Knowledge about COVID-19 among Citizens in Thi-Qar Governorate/Iraq: an Online Survey ..... 1999  
*Fatima J. Shinjar., and Ali T. Hameed, Hussein A. Dabis*
316. Study of Prevalence of Placenta Previa and Circumstances among Pregnant Women in Fallujah Hospital ..... 2006  
*Eman Gadban Saleh, Yousra Abdulaziz Mohammed, Mahmood Nezar Mustafa, Zahraa Mohammed*
317. Assessment the effects of Mastic Gum Resin, Lawsonia Inermis and Quercus Brantii on Cutaneous Wound Healing in BALB/c Mice ..... 2012  
*Kwestan Najm Ali , Hardi Fattah Marif, Hana Sherzad Raoof, Snur M. A. Hassan, Dereen Omer Ramzi*
318. Clinical and Histopathological study of black and Red Grape Seed extracts (Vitis Vinifera) effects on the Albino Mice ..... 2024  
*Snur M. A. Hassan, Shno N. Hassan, Nian N.N.Maarof*
319. Detection of Pork in Canned Meat Products by using DNA-based Methods ..... 2033  
*Alaa Tariq Abdulwahid*

320. Effects of Adding Dry Mulberry Leaves (*Morusalba*) in the Concentrate Diet on Digestibility and Some Blood Parameters in Female Goats ..... 2038  
*Jassim E. Q. Al-Musawi, Wathiq A.H. AL-Jbory*
321. In Vitro Production of Ovine Embryo in Non-Breeding Season ..... 2046  
*A. A. Omar, M. N. Ahmed, Audai Sabah Asker, A. F. Majeed, T.M. Faraj, S.J. Rejah*
322. Isolation and Identification of Lactic Acid Bacteria from Buffalo's Raw Milk in Basrah Province by Sequencing the 16S rRNA. .... 2054  
*Hiba A .Nasear, Samar S. Ghazi, Alaa T. Abdulwahid*
323. Evaluating the Efficacy of Some Disinfectants, Sterilizers and Detergents Against *Streptococcus Pyogenes* Isolates from Tonsillitis Patient in Kirkuk City ..... 2060  
*Aylan Arslan Ali, Shymaa Hassan Ali*
324. Study the Role of Selenium or Zinc as Organic form on some Antioxidant and Liver Enzymes of Rams ..... 2066  
*Mohannad. K. Aremmt, Saad Thabit Jassim Alrawi, T.R. Mohammed*
325. Cytotoxic activity of Green Zinc Selenide Nanoparticles Against Hep-G2 Cell Lines ..... 2072  
*Sabah N. Mazhir, Kadhim A. Aadim, Mohammad M. F. Al-Halbosi, Nisreen Kh. Abdalameer*
326. Cytotoxicity of lipopolysaccharide extracted from *Salmonella enterica* serovar Typhimurium on Breast Cancer Cell Line mcf-7 ..... 2079  
*Wissam Qadry Mutaab Alqaiissy, Aziz L.M., Abdul-Rahman Ibrahim A.*
327. Detection of Antiseptic Resistant Genes in Colistin- Resistant *Pseudomonas aeruginosa* and MDR *Klebsiella penumoniae* ..... 2092  
*Noor S. Hassan, Mohamed F. Al –marjani, Nadema H. Hussain*
328. Detection of HMA5, PCs and MT2 Genes Expression in *Vicia faba* Under Heavy Metal Stress Using Quantitative Real-Time PCR..... 2102  
*Khalid H. Alobaidi, Zaid N. Altememi, Dhafar N. Al-Ugaili, Jameel R. Al-Obaidi*
329. Detection of Tn916 Conferring Tetracycline Resistance in Clinical Isolates of *Streptococcus pyogenes* . 2109  
*Hameed M. Jasim, Abbas Aboud Farhan, Hanan Raheem Hassooni, Adil Hassan, Alhusseiny*
330. Effect of Soft Cheese in Reducing of Lipid Profile and Liver Enzymes for Rats with Fat Disorder .. 2114  
*Hiba Sabah Elttayef, Mohammed Ahmed Jassim*
331. Investigation of Lumpy Skin Disease Virus in Baghdad City ..... 2121  
*Rasha Basim Abdullatif, Aida Bara Allawe*
332. Laboratory Evaluation of the Entomopathogenic Fungi *Penicillium Marneffe* and *Verticillium lecanii* Against *Culex Pipeins Molestus*..... 2126  
*Rabah H Saady, Abdulrahman Jihad Mansoor*
333. Molecular Characterizations of a High Pathogenic Avian Influenza H5N8 in Iraq ..... 2134  
*Ahmed Neama Mahmood, Aida Bara Allawe*

## XXVI

334. Novel Molecular Detection of BPV-10 and BPV-11 Genotypes in Al- Anbar, and Baghdad Provinces... 2141  
*Mohammed A. Hamad, Murtadha A. Al-Mudhafir, Ahmed Majeed Al-Shammari, Ahmed J. Neamah*
335. Stimulation of Staphylococcus aureus Ligase Enzyme by Magnesium Ion..... 2148  
*Arqam Mohamad Alomari, Aseel A. H. Al-Layla , Ibrahim Faris Ali*
336. Study of Bacterial Contaminants and some Chemical Elements of the Euphrates River and Al-Fallujah City Drainage ..... 2157  
*Shaimaa M. Dawd*
337. Study of some Immunological Variables Resulted from Balb/c Mice Injection with Hydatid cysts Protoscolex Antigens ..... 2163  
*A. O. Humide, Abbdalwahab Hussain, Ezeddin A. Albayyar*
338. Study of the Biochemical Markers of Liver and Renal Function in Moderate -To- Heavy Cigarette Smokers' Men in Mosul City ..... 2169  
*Enaam Ahmed Hamza Al-Dagestani*
339. The Effect of Dual-Species Biofilms, Monosaccharide and D-Amino Acids on Pseudomonal Biofilm ..... 2177  
*Al-Moghira Khairi Al-Qaysi; Safaa Abed Latef Al-Meani; Mushtak T.S. Al-Ouqaili*
340. Isolation and Analysis of Nucleotide Sequences of the 16S rRNA Gene of Pseudomonas aeruginosa Isolated from Clinical Samples..... 2193  
*Atheer Abdulameer Raheem , Hasanain Khaleel Shareef*
341. The Effects of Different Intensive Physical Performances by athletes on Selected Hematological Parameters..... 2199  
*Shumoos H Alwaid*
342. Role of CoQ10 and IGFBP-1 in Obese Male Patients with Diabetic Mellitus Type II ..... 2204  
*Dina A. M. Al-Khafajy, Maysaa J. Majeed, Omar F. Al-Azzawi; Ayad Ismael Khaleel*
343. Histological and Morphological Study of Carcinoma Breast of Women ..... 2210  
*Aaya Hamid Al-Hakeem, Marwa Ahmed Meri*
344. Isolation and Molecular Identification of proteus mirabilis isolated from hospitals in the capital Baghdad..... 2216  
*Mohammed Kaittan Abed, Hasanain Khaleel Shareef*
345. Diabetes and COVID-19 Pandemic: A Potential Mechanisms: A Review..... 2224  
*Hind Shakir Ahmed, Hiba Shakir Ahmed*
346. The Effect of Training with Rubber Ropes and Controlling the Resistance Arm on the Response Time and some Biomechanical Variables for the Skill of Sending for Wheelchair Tennis Players ... 2232  
*Maytham Hadi Mahdi*
347. Antioxidant Activity and Phytominerals Study of Some Asteraceae Species Growth in Western of Lraq..... 2239  
*Assistant prof., Lecturer, College of Education for women, University of Anbar, Iraq; Ashwaq Talib Hameed, Nbaa Mutea Abid Al-alh, Asmaa Wajeh Jumaa*

348. The Influence of Cement Spacer Thickness on Retentive Strength of Monolithic Zirconia Crowns Cemented with Different Luting Agents (A Comparative in-vitro Study) ..... 2246  
*Reyam H. Ali, Mohammed Kassim*
349. HIV/AIDS Status in Baghdad/ Iraq Over Ten Years (2010-2019)..... 2253  
*Jalil Ibrahim Saleh PhD, Haitham Numan, Nawar Sahib Khalil Ph.D.,*
350. Molecular Detection of nan, tly and dsA gene of Propionibacterium acnes Isolated from acne vulgaris in Babylon Province ..... 2260  
*Rabab J H AL-Hasseny, Lamees A. Abdul-Lateef, Hussein Abbas AL-Sultany*
351. Effect of Cinnamon Gargel on Healing of Aphthous..... 2266  
*Raida Noori Hamid, Rehab Faisal Ahmed, Wedad Farhan Jabber*
352. GC-Mass Spectrometry Analysis of Iraqi Moringa Oleifera Seeds Extract..... 2274  
*Fiham Jassim AL-Obaidi, Abid A. Thaker, Asmiet Ramizy*
353. Correlation Between Serum Ferritin And Liver Function in Thalassemia Patients..... 2279  
*Zainab Qasim Muhammad Al-Yasiri*
354. Histo-morphomertic, Histochemical Solidity Ruling of the Small Intestine in Hamsters and Rabbit According to Different Food ..... 2288  
*Raad Shaalan Ibrahim, Farah Jameel Alhnon, Sarah Shareif Akool, Najlaa Awaied Al-Mansour*
355. Awareness of Health Workers in Premature Units At Kirkuk City Hospitals Concerning Neonatal Jaundice..... 2295  
*Wijdan Abdullameer Kamel, Chateen Jihad Rauf*
356. Study of Some Immunity Characters Results of Injection antigenic Staphylococcus sp. in Local Rabbits 2303  
*Roua Jamal AbdulKhalig , Hiba M. AlKhateeb, Abdalwahab Bdewi Hussain, A. O. Humide*
357. Correlation between Women’s Attitudes and Abstain (Used/Unused) Contraceptive Methods at Primary Health Care Centers in Baghdad City ..... 2309  
*Maha Khaled Rida, Hawraa Hussein Ghafel*
358. Clinical and Histopathological Study of Diclofenac Sodium- Acetylsalicylic Acid Toxic Effect on Liver of Mice..... 2314  
*Rana Abdulla salih*
359. Dietary Habits of Iraqi Women with Breast Cancer at Oncology Hospitals in Baghdad City: Comparative Study..... 2322  
*Hadeel Mousa Mahalhal, Hawraa Hussein Ghafel*
360. Parents’ Knowledge Concerning School Phobia of their Children in Baghdad City, Iraq ..... 2329  
*Abdulahdi A. Hasan*
361. Maternal Anxiety Levels with Newborns in the Neonatal Intensive Care Unit at Hilla Maternity and Childbirth Hospital in AL-Hilla City ..... 2336  
*Abdulahdi A. Hasan*

## XXVIII

362. Pathological Study of Reproductive Tracts of Awassi Ewes in Fallujah, Iraq ..... 2342  
*Ahmed Sami Jarad, Abdul Sattar Faraj Majeed, Qusay Mohammed Aboud, Mustafa Salah Hasan, Waleed Hamid Farhan Ahmed Emad Aboud*
363. Incidence Rate and Risk Factors of Ectopic Pregnancy at Maternity Wards in Baghdad City's Hospitals for the Year 2019 ..... 2347  
*Heba Samir Naje, Hala Saadi Abdul Wahid, Ekhlas Ali Hussein*
364. Lip Thickness with Tongue Space Area Assessment By Cephalometric Analysis for Iraqi Adult Sample with Class II Dental and Skeletal Pattern..... 2354  
*Laith Hamood AL-Salmany, Zena Hekmat Altaee, Ahmed Jassam Al-Naqeeb*
365. Synthesis, Characterization and Anti-Inflammatory Study of New Heterocyclic Coumarin Derivatives ..... 2363  
*Muthanna S. Farhan, Maadh H. Ahmed*
366. The Sensitivity of some Types of Citrus Fruits, the role of the Propolis and the Color of Storage Bags in the Development of Green Mold Caused by Fungi *Penicillium Digitatum* ..... 2370  
*Hiba Hashim Younes, Wa'ad Hamoudi Awad, Theyab A. F. Al- Esawee*
367. The response of Brahimi apple's Cultivar to Foliar Application of Glycyrrhizin Extract (GLE) and Humic Acid (HA) ..... 2376  
*Duaa Flaih Hasan Al-Mehemdi, Ali Ammar Ismaeel Al-Ani*
368. A Comparative Study of Cognitive Achievement in Football Among Students who Have Different Learning Styles..... 2382  
*Mohammed Saad Jebur, Jasim Saleh Majon, Hayder Abdulhafidh Shehab*
369. Guggulsterone Suppresses Ovalbumin- Induced Inflammation in Rat Asthmatic Model ..... 2388  
*Zainab H. Ahmed, Munaf H. Zalzala, Manal A. Ibrahim*
370. Study the Role of Helicobacter Pylori Infection in a Group of Iraqi Patients with Colorectal Cancer..... 2396  
*Walaa Talal Abdul-Lateef, Essam Mohammed Abdullah, Jassim Mohsen Ghadhban*
371. A Reliable Quantification Method for Trimethoprim in Pharmaceutical Samples by HILIC-HPLC.. 2403  
*Zahraa Muhsen Hussein, Ashraf Saad Rasheed*
372. Assessment of Serum Concentration of Ghrelin and Obestatin in Giardia lamblia Infected Patients: A Case Control-Study..... 2410  
*Rana Talib Al-Nafakh, Hawraa Ameer Mubark, Raad Abdul-Ameer Al-Asady*
373. Evaluation of the Efficacy of Beauveria bassiana in Controlling the Periplaneta Americana in Iraq . 2416  
*Qutebh Ahmed Hajm, Hushm Naje Hmed*
374. The Effect of Biomarker (IL-8) on the Tissue of Colorectal Cancer Patients by using IHC Technique..... 2421  
*Zinah Saad Madhloom, Aqeel Shakir Mahmood, Alice Krikor Melconian*
375. Prevalence and Risk of Leukemia Reported Cases, Observational Descriptive Statistic from Iraqi Center for Hematology in Baghdad Province ..... 2428  
*Ruaa Hameed Abdulridha, Nada Kadum Jawad, Ahmed Tariq Numan*

376. Detection of Fungal Toxins Produced by Dermatophytes by using Thin Layer Chromatography ....2434  
*Abeer Mohammed Ali Al-garawyi, Adnan H. Al-Hamadani, Adnan waheed AL- Bederi*
377. Possible Protective Effects of high- versus low- dose of lutein in combination with irinotecan on Liver of Rats: Role of Oxidative Stress and Apoptosis .....2439  
*Alaa Radhi K, Nada N. Al-Shawi*
378. The Association between Severity of Dental Caries and Salivary Immunoglobulins in Asthmatic Adult Patients .....2446  
*Ahmed AbdulRazzaq Hammoodi Al-Anbari, Maha Adel Mahmmod AL-Ani<sup>3</sup>*
379. Phenotypic and Molecular Characteristics Of Biofilm and other Virulence Genes in E. coli and K. Pneumoniae Isolates from Healthy Dairy Cow, Human and Environmental Sources .....2452  
*Ali A. Kadhum, Mohammed H. Khudor*
380. The effect of Exercises By Pressing -Style to Developing A Man-to-Man Defense For Young Football Players .....2459  
*Qasim Muhammad Ali Hazim Ahmed Abdulameer Hamzah*
381. Assessment of Mothers' Knowledge about Febrile Convulsions of Children at Ibn- Albalady Hospital in Baghdad City .....2465  
*Ali Obaed Shneshil*
382. Is there an Impact of PAI-1 on the Thrombotic Episode in Iraqi Obese Patients with Corona Virus -19 .....2471  
*Elham Abed Mahdi*
383. Molecular, Biochemical, and Phenotypic Identification of Phenol and Cresol Degrading Acinetobacter baumannii Strain Selected from Al-Rumaila Oil Well .....2480  
*Noor Mohammad Ali, Aamal Ghazi Mahdi Al-Saadi*
384. Evaluating Growth Charts Use among Children Less Than Five Years of Age at Primary Health Care Centers in Al-Hillah City.....2490  
*Muna Abdulwahab Khaleel*
385. Complications of Kalazar among Children in Hilla-city .....2495  
*Ibtesam Khalid Kamil*
386. Assessment of Diabetes Patient Adherence to Dietary Recommendation in Diabetics Center in Al-Najaf city .....2500  
*Iman Qasim Kteo Al-hussein , Zahraa Abdull Abbass Taher Al- Khafajy , Haider Mohammed Haloob AL- Abedi , Athraa Abbas Al-Zeyadi*
387. Impact of Adolescents' Life Style and Reasons of Skipping Essential Meals upon their BMI at Secondary Schools in Baghdad City .....2507  
*Buthainah Basheer Saleh , Eqbal Ghanim Ma'ala*
388. Effectiveness of Some Relaxation Exercises Use by Nurse in Assessment of Vital Signs .....2515  
*Alaa Abraham Saeed , Sabah Abdullah Jaafar, Dergham Majeed Hameed*



389. Effect of Diabetes and Hypertension on Right Carotid Artery Intima Media Thickness and Variable Spectral Waveform Indices And Parameters in Relation To Age for Iraqi Patients ..... 2521  
*Samar I. Essa, Ahmed Abduljabar Al-Sabbagh, Satar M. Kadam*
390. The Effect of Using Competitive and Traditional Methods in Learning Some Basic Gymnastics Skills ..... 2526  
*Zaid Sami yasir , Daa Fadel Abbas , Hayder Naji Habash Alshawi*
391. Evaluation of Antioxidants Capacity of Non-Enzymatic Antioxidants and its Effect in Glucose Level in Diabetic Patients ..... 2532  
*Rana Fadhil Mousa*
392. Measurement of GSH, SOD and MDA some Antioxidant level after Excises Athletes ..... 2539  
*Harith Abdelelah Alshukri, Mazin Hadi Kzar , Aied Kareem Abdaun*
393. Health Consequence of Gas Filling on the Workers' Health of Two Cities in Iraq (Comparative Study) ..... 2547  
*Hussein Ali Mohammed, Wijdan Abdulameer Kamel , Abid Salih Kumait*
394. Non COVID Symptoms and its Impact on Quality of Life among the Professionals Residing at Pune City ..... 2556  
*Sharadha Ramesh, Poonam Yadav*
395. Impact of Years' Experience upon Nurses' Knowledge and Practice concerning Infection Control at Critical Care Units in Baghdad City ..... 2564  
*Wafaa Abd Ali Hattab, Alaa Jawad Kadhim, Musaab Majid Abdulwahhab*
396. Detection of Biochemical Causes the Diabetic Retinopathy in Diabetes (Type II) Patients in Al-Muthanna Province ..... 2569  
*Yusra Ali Hameed , Jawad Kadhum Muraih*
397. Evaluation of Marginal adaptation at Interfaces Using Composite Resin to Different Setting Amalgam Filling in Class II Cavity Preparation..... 2575  
*Mohammed Kassim Gholam , Biland MS Shukri , Haider Hasan Jasim*
398. Brain habits, Accuracy and Its Relationship to Self-Confidence for Handball Players..... 2581  
*Ali Hussein Ali, Muntadhar Saheb Mahdi, Ahmed Khudhair Abbas, Wissam Salah Abdul Hussein*
399. Chronic Myeloid Leukemia and Associated Oral Manifestations ..... 2587  
*Suha Abdulhussein Hindy, Ali M. H. Alyassiri, Ali Q.L. Lilo*
400. Legalizing speed Endurance Training According to Some Physiological Indicators for 800-Meter Runners for Youth..... 2592  
*Mohammed Amanah Kaissan, Emad Amanah Kaissan, Ahmed Abdulrazzaq Fadhil*
401. Salivary Changes with the Age and their Effect on Plaque Related Disease ..... 2604  
*Haider Adnan, Suha Abdulhussein Hindy, Ali Zaki Naji*
402. Evaluation of Morphological (Macroscopic and Microscopic) parameters of placentas in pregnancies complicated by Preeclampsia, Diabetes and Preeclampsia and Diabetes..... 2613  
*Malak A. Al-yawer, Nameer F. AL-Kalifa*

403. Parenting Styles and Children's Behaviors Difficulties.....2621  
*Ali Fadhil Obaid, Ali Ibrahim Rashid, Nuhad Mohammed Kassim*
404. Assessment of Children with Thumb Sucking Habit in Babylon City .....2627  
*Abdulahdi A. Hasan*
405. Stakeholders' Perspectives on Quality of Death Registration And Possibility of Introducing Verbal Autopsy Into Kurdistan Region of Iraq.....2631  
*Ahmed Mohammed Amin Ahmed, Tariq Salman Al-Hadithi*
406. The Effect of Ultrasonic Activation of Two Different Sealers on the Fracture Resistance of Obturated Root Canals .....2636  
*Hussain Khaleel Mohammed, Manal Hussain Abd-alla*
407. Hepato-nephroprotective Role of *Lepidium sativum* against Oxidative Stress Induced by Dexamethasone in Rats .....2643  
*Sawsan Agbashee Abraheem Alsadee*
408. An Updated Review on Some Neurotoxic Pharmacological Agents Along with their Neurotoxic Mechanisms .....2654  
*Muhammad Irfan Bashir, Nur Hidayah Kaz Abdul Aziz, Dzul Azri Mohamed Noor*
409. CT scan Findings of COVID-19 in Patients with Fatty Liver .....2660  
*Israa Mohammed Sadiq, Kermanj Ismail Bakr*
410. Studying the Relationship between the Lund Mackay Score and Response to Medical Treatment in Patients with Chronic Sinusitis .....2666  
*Gholam-Ali Dashti Khavidaki, Reza Gharibi*
411. Impact of Meningitis on Cognitive Skills and Development in Children.....2674  
*Seyedeh Mahsa Mahmoudinezhad Dezfouli, Shaqayeq Khosravi*
412. The Association between Subclinical Hypothyroidism and Diabetic Retinopathy in the Patient with Type 2 Diabetic.....2679  
*Alireza Hejrati, Maryam Hadad, Atousa Najmaldin*
413. A Survey of Knowledge Level about Pediatric oral/dental Health among Pediatricians .....2686  
*Masoud Haghighikian, Mohsen Khaleghian, Ali Saberi, Mohammad Nasiri*
414. Clinical Characteristics and Short-Term Outcomes of Patients with Severe COVID-19.....2691  
*Morteza Mousavi-Hasanzadeh, Alireza Kamali, Fatemeh Safi, Hossein Sarmadian, Amir Almasi-Hashiani*
415. Assessment of Diabetes Patient Adherence to Dietary Recommendation in Diabetics Center in Al-Najaf City.....2695  
*Iman Qasim Kteo Al-hussein, Zahraa Abdull Abbass Taher Al- Khafajy, Haider Mohammed Haloob AL- Abedi , Athraa Abbas Al-Zeyadi*
416. The Application of an Indigenous Polymer for the Plastination of Teaching Anatomical and Biological Specimens.....2702  
*Alaa A. Sawad*

## XXXII

417. Evaluations of Inflammatory Status in Chronic Renal Failure Patients Undergoing Hemodialysis and Conservative Treatment ..... 2707  
*Fatimah Kadhim Ibrahim AL- Mahdawi, Ali Shalash Sultan , Nabeel Khalid Mohamed Ali AL-Wandi, Mazin Razooqi Mohammed, Hayder Abdulhafdh Kurji*
418. Medical Induction of First Trimester abortion by Misoprostol or Misoprostol with Letrozole ..... 2712  
*Myasar Jasim Mohammed AL-taie, Enas Jaleel Alobaidy, Hayder Abdulhafedh Kurji*
419. Study Some Haematological And Biochemical Parameters in Patients with Renal Failure in Diyala Province ..... 2718  
*Alaa Mohammed Albayati, Eman Adnan Mazher, Marwan A.Ahmed*
420. Thyroid Carcinoma Patients Correlated with Cytomegalovirus by using Insitu Hybridization ..... 2726  
*Noor Al-Huda Ali A.H. Saeed , Ban Talib Elhaboby , Wasan A. Wahab Alsiadi*
421. Prevention and First Aid of Mechanical Airway Obstruction among Children: Supportive Stratiges for Mothers..... 2733  
*Nadia Abdel-Latif Ali, Huda Shawky Mahmud*
422. CT Scan Findings of COVID-19 in Patients with Fatty Liver..... 2741  
*Israa Mohammed Sadiq, Kermanj Ismail Bakr*
423. Impact of Work Environment upon Respiratory Tract Health Problems among Workers at Textile Industries in Baghdad City..... 2747  
*Wissam Jabbar Qassim, Rajaa Ibraheem Abed*
424. Effects of Addition of Melatonin and L-Arginine on Cooled Semen Parameter of Iraqi Local Breed Rams in Vitro..... 2752  
*A. A. Omar, M. N. Ahmed, Audai sabah Asker, A. F. Majeed, ResearcherR.M. Awad*
425. The Role of IL-25 and IL-35 in Amoebiasis..... 2760  
*Adnan S. Khalaf AL-Majid, Alyaa A.Hafez*
426. Appropriate Antibiotic Use for Community-Acquired Pneumonia in Inpatient Settings and Its Impact on 30-days Readmission and Mortality Rate ..... 2765  
*Rafida Sofi Kamila, Maftuchah Rochmanti, Arief Bakhtiar*
427. Assessment of Knowledge and Perceived Practice on Using Eco-Friendly Toys among Mothers of Under Five Children ..... 2773  
*Sharadha Ramesh, M.Vatchala Devi*
428. Canine-premolar Transposition, Family Pedigree and Related Dental Anomalies..... 2782  
*Mushriq Abid, Samher A. Al-Shaham, Zaynab MR. Al-Chalabi*
429. Potential of Chlorogenic Acid from Coffea canephora to Improving Innate Immunity System Components among BALB / c Mice ..... 2788  
*Christina Destri, Jusak Nugraha, Muhammad Amin, Djoko Agus Purwanto*

# Constitutional Right to Vote for People with Mental Disorders (PMWD) with Case Study in Yogyakarta, Indonesia

**Diastama Anggita Ramadhan**

*Lecturer at Faculty of Law, Diponegoro University, Semarang, Indonesia*

## Abstract

The right to vote as one of the constitutional rights is certainly in favor of all Indonesian citizens, including those who suffer mental disorders. The Constitutional Court through the Constitutional Court Verdict Number 135/PUU-XIII/2015 has stated people with mental disorders, as long as their condition is not permanent, they can vote. However, this verdict has the potential to violate the constitutional rights of the citizen. This research location will be carried out in the Special Region of Yogyakarta where it is one of the provinces with the largest mental disorder communities in Indonesia. This research uses a normative juridical method and focusing on literature studies as its main sources. This research will conclude about the method used by people with mental disorders to access their right to vote. Furthermore, it will also explain the extent to which the Constitutional Court's decision has an impact on patients with psychiatric disorders in the Special Province of Yogyakarta.

**Keyword:** *constitutional rights; right to vote; people with mental disorder*

## Introduction

Political rights contain the nature of universality and equality, which means that everyone has the same opportunity in the electoral process, arranges political access that is not limited by anything, and channels references that are owned by each person through voting mechanism.<sup>1</sup> This is in line with what has been mandated in Law Number 18 of 2014 concerning Mental Health, which in Article 2 letter h states that one of the principles implemented in the Law is the principle of non-discrimination. Article 3 of the same law also guarantees the rights of a citizen suffering from mental disorders. This article then aims to find out how persons with disabilities, especially persons with disabilities with the category of mental retardation, channel their right to vote through general elections. Especially considering that political rights (to vote and be elected) are under gable rights for everyone and without discrimination.<sup>2</sup>

Thus, it can be seen that every Indonesian citizen has the right to vote regardless of the condition of each person. In general, Indonesia's General Election Commission (KPU) has established special regulations that provide opportunities for persons with disabilities to be able to exercise their rights. The KPU has basically provided a means for persons with this type of mental retardation to be able to channel their constitutional rights. This is then an elaboration of the Constitutional Court Decision Number 135/PUU-XIII/2015 which in its decision states that as long as a person does not have a mental illness that can permanently affect a person's choice, then that person still has his constitutional right to vote. The problem here is that the Constitutional Court decision has the potential to injure the constitutional rights of citizens, especially someone suffering from mental disorders. The Court's decision has great potential to injure the constitutional rights of a person with a mental health disorder, especially their right to vote. It is possible for people with mental disorders to recover, although it requires strict assistance and a long process.<sup>3</sup> Yogyakarta Province based on Basic Health Research (Risksedas) is choose as research location as it has the number of people with psychiatric disorders that

---

### Corresponding author:

**Diastama Anggita Ramadhan,**

Lecturer at Faculty of Law, Diponegoro University,  
Semarang, Indonesia

# The Effect of Interleukin-10 and Its Relationship with The Level of White Blood Cells in Women Spontaneous Miscarriage Undergoing Intracytoplasmic Sperm Injection (ICSI) Technique

Dhirgam F. Hassan Al-Shimerty<sup>1</sup>, Alauldeen S. M. AL-Sallami<sup>2</sup>

<sup>1</sup>Research Scholar, Faculty of Pharmacy/ University of Kufa; <sup>2</sup>Professor , Biology Department/ Faculty of Science/ University of Kufa , Iraq

## Abstract

This study was conducted on 84 samples of women subject to the ICSI program . Blood sample was taken to measure WBC count , Interleukin-10 and  $\beta$ -hCG levels . Groups were divided based on the  $\beta$ -hCG level to two groups (Pregnant Women Group - Pregnancy Failure Group) and the total of pregnant women divided into (Pregnancy Group and spontaneous miscarriage) .

The results of the current research showed a significant increase in the level  $\beta$ -hCG and that the increase in the level of this hormone is evidence of the presence of high success rates for pregnancy in women who performed operations IVF, where the success rate at the beginning of the matter reached 61.9%, after which it decreased to 33.3% after the first three months due to the occurrence of spontaneous miscarriage of pregnant women due to various immunological and physiological reasons, as well as a positive correlation between the level of  $\beta$ -hCG and other parameters within the study (Interleukin-10 -WBC).

The results of the current research also showed a significant difference between the group (pregnancy failure) and the group (spontaneous miscarriage) compared with the control group (continued pregnancy) in relation to the level of Interleukin-10, Also, The results of the current research showed a significant difference between the group (pregnancy failure) and the group (spontaneous miscarriage) compared with the control group (continuation of pregnancy) in relation to the level of WBC, and the present study found a positive relationship between the level of Interleukin-10 and WBC.

**Keywords:** miscarriage , ICSI technique, Interleukin-10, white blood cells,

## Introduction

Infertility is a widespread disease worldwide and it means “the inability of the spouses to achieve pregnancy within one year of marriage” and the estimated rate of infertility in the world is around 15-20% <sup>(1)</sup> .

*In vitro* fertilization , intracytoplasmic sperm injection (ICSI) , and intrauterine insemination (IUI) be are the main methods of assisted reproductive technology (ART). Found several Various studies in recent years have indicated that occur risk factor for implantation failure of women after *In vitro* fertilization - ICSI which may be immunological parameters or biochemical parameters may be affected on *In vitro* fertilization - intracytoplasmic sperm injection results <sup>(15)</sup>.

White blood cells (WBCs) They are considered an important part of the immune system in the body ,It should be noted that the increase in the number of white

---

## Corresponding author

Dhirgam F;

Research Scholar, Faculty of Pharmacy/ University of Kufa; E-mail : dhurghamf.hassen@uokufa.edu.iq