

ISSN-0976-0245 (Print) • ISSN-0976-5506 (Electronic)

Volume 11

Number 03

March 2020



Indian Journal of Public Health Research & Development

An International Journal

Website:

www.ijphrd.com

Indian Journal of Public Health Research & Development

EXECUTIVE EDITOR

Prof. Vidya Surwade

Deptt. of Community Medicine, Dr Baba Saheb Ambedkar, Medical College & Hospital, Rohini, Delhi

INTERNATIONAL EDITORIAL ADVISORY BOARD

1. **Dr. Abdul Rashid Khan B. Md Jagar Din** (*Associate Professor*)
Department of Public Health Medicine, Penang Medical College, Penang, Malaysia
2. **Dr. V Kumar** (*Consulting Physician*)
Mount View Hospital, Las Vegas, USA
3. **Basheer A. Al-Sum**,
Botany and Microbiology Deptt, College of Science, King Saud University,
Riyadh, Saudi Arabia
4. **Dr. Ch Vijay Kumar** (*Associate Professor*)
Public Health and Community Medicine, University of Buraimi, Oman
5. **Dr. VMC Ramaswamy** (*Senior Lecturer*)
Department of Pathology, International Medical University, Bukit Jalil, Kuala Lumpur
6. **Kartavya J. Vyas** (*Clinical Researcher*)
Department of Deployment Health Research,
Naval Health Research Center, San Diego, CA (USA)
7. **Prof. PK Pokharel** (*Community Medicine*)
BP Koirala Institute of Health Sciences, Nepal

NATIONAL SCIENTIFIC COMMITTEE

1. **Dr. Anju D Ade** (*Professor*)
Community Medicine Department, SVIMS, Sri Padamavati Medical College, Tirupati,
Andhra Pradesh.
2. **Dr. E. Venkata Rao** (*Associate Professor*) Community Medicine,
Institute of Medical Sciences & SUM Hospital, Bhubaneswar, Orissa.
3. **Dr. Amit K. Singh** (*Associate Professor*) Community Medicine,
VCSG Govt. Medical College, Srinagar – Garhwal, Uttarakhand
4. **Dr. R G Viveki** (*Associate Professor*) Community Medicine,
Belgaum Institute of Medical Sciences, Belgaum, Karnataka
5. **Dr. Santosh Kumar Mulage** (*Assistant Professor*)
Anatomy, Raichur Institute of Medical Sciences Raichur(RIMS), Karnataka
6. **Dr. Gouri Ku. Padhy** (*Associate Professor*) Community and Family
Medicine, All India Institute of Medical Sciences, Raipur
7. **Dr. Ritu Goyal** (*Associate Professor*)
Anaesthesia, Sarswathi Institute of Medical Sciences, Panchsheel Nagar
8. **Dr. Anand Kalaskar** (*Associate Professor*)
Microbiology, Prathima Institute of Medical Sciences, AP
9. **Dr. Md. Amirul Hassan** (*Associate Professor*)
Community Medicine, Government Medical College, Ambedkar Nagar, UP
10. **Dr. N. Girish** (*Associate Professor*) Microbiology, VIMS&RC, Bangalore
11. **Dr. BR Hungund** (*Associate Professor*) Pathology, JNMC, Belgaum.
12. **Dr Sartaj Ahmad**, PhD Medical Sociology, *Associate Professor*,
Swami Vivekananda Subharti University Meerut UP India
13. **Dr Sumeeta Soni** (*Associate Professor*)
Microbiology Department, B.J. Medical College, Ahmedabad, Gujarat, India

NATIONAL EDITORIAL ADVISORY BOARD

1. **Prof. Sushanta Kumar Mishra** (*Community Medicine*)
GSL Medical College – Rajahmundry, Karnataka
2. **Prof. D.K. Srivastava** (*Medical Biochemistry*)
Jamia Hamdard Medical College, New Delhi
3. **Prof. M Sriharibabu** (*General Medicine*) GSL Medical College, Rajahmundry,
Andhra Pradesh
4. **Prof. Pankaj Datta** (*Principal & Prosthodontist*)
Indraprastha Dental College, Ghaziabad

NATIONAL EDITORIAL ADVISORY BOARD

5. **Prof. Samarendra Mahapatro** (*Pediatrician*)
Hi-Tech Medical College, Bhubaneswar, Orissa
6. **Dr. Abhiruchi Galhotra** (*Additional Professor*) Community and Family
Medicine, All India Institute of Medical Sciences, Raipur
7. **Prof. Deepti Pruthvi** (*Pathologist*) SS Institute of Medical Sciences &
Research Center, Davangere, Karnataka
8. **Prof. G S Meena** (*Director Professor*)
Maulana Azad Medical College, New Delhi
9. **Prof. Pradeep Khanna** (*Community Medicine*)
Post Graduate Institute of Medical Sciences, Rohtak, Haryana
10. **Dr. Sunil Mehra** (*Paediatrician & Executive Director*)
MAMTA Health Institute of Mother & Child, New Delhi
11. **Dr Shailendra Handu**, *Associate Professor*, Phrma, DM (Pharma, PGI
Chandigarh)
12. **Dr. A.C. Dhariwal**: *Directorate* of National Vector Borne Disease
Control Programme, Dte. DGHS, Ministry of Health Services, Govt. of
India, Delhi

Print-ISSN: 0976-0245-**Electronic-ISSN:** 0976-5506, **Frequency:** Quarterly
(Four issues per volume)

Indian Journal of Public Health Research & Development is a double blind peer reviewed international journal. It deals with all aspects of Public Health including Community Medicine, Public Health, Epidemiology, Occupational Health, Environmental Hazards, Clinical Research, and Public Health Laws and covers all medical specialties concerned with research and development for the masses. The journal strongly encourages reports of research carried out within Indian continent and South East Asia.

The journal has been assigned International Standards Serial Number (ISSN) and is indexed with Index Copernicus (Poland). It is also brought to notice that the journal is being covered by many international databases. The journal is covered by EBSCO (USA), Embase, EMCare & Scopus database. The journal is now part of DST, CSIR, and UGC consortia.

Website : www.ijphrd.com

©All right reserved. The views and opinions expressed are of the authors and not of the Indian Journal of Public Health Research & Development. The journal does not guarantee directly or indirectly the quality or efficacy of any product or service featured in the advertisement in the journal, which are purely commercial.

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)



Indian Journal of Public Health Research & Development

www.ijphrd.com

Contents

Volume 11, March 03

March 2020

1. Development and Validation of a Questionnaire on Eating Behaviour for School Children and its Correlation with Nutritional Status.....1
A. Ayesha Fathima, T.H. Hema, A.J. Hemamalini
2. Occupational Varicella outbreak at a Tertiary Care Hospital: An Insight.....7
Abhisek Mishra, C.M. Singh, Binod Ku Pati, Barkha Rani Beck, Hari Krishnan Ashokan
3. An Exploratory Study To Identify Factors Affecting Non Compliance To Dots Therapy Among Tb Patients At Selected Dots Centre Vadodara 13
Akash S. Patel, Miss. Varsha Hun, Mr. Adithya S.
4. Assessment of Cognitive Impairment among Elderly in the Selected Rural Community, Kancheepuram District, Tamil Nadu 19
Akila K., Divya R., Preethianushya M., Aravindhan B., Rogina J.S. Savarimuthu
5. Safety and Tolerability of Two Different Formulations of Mycophenolate (Mycophenolate Mofetil and Mycophenolate Sodium) among Patient with Connective Tissue Disease Associated Interstitial Lung Disease (CTD-ILD) in a Tertiary Care Hospital.....22
Amrut Kumar Mohapatra, Pratima Singh
6. Assessment of Awareness of Parents on Importance of Dental Care in Pediatric Patients in Ethnic Tamil Population27
Anandhi D., R. Bharanidharan, Lekshmy Jayan, Ramya R., K. Rajkumar, R. Hemalatha
7. Study of Total Time Taken for OPD Billing Process in a Multi-Specialty Hospital32
Anil Pandit, Savita Prashar
8. Sleep Quality and Glycemic Control among Patients with Type II Diabetes Mellitus41
Anju Babu, Sabitha V Janardhanan, Sreevidhya R., Sruthy K.S.
9. A Comprehensive Break Even Analysis of MRI and CT Unit of a Tertiary Care Hospital in Sikkim.....47
Ankit Singh, Priya Ravi, Soniya Joseph
10. A Descriptive Survey on the Consumption of Sweetened Beverages and Contributing Factors among Adolescents in Selected PU Colleges at Mangaluru53
Anu Joseph, Anuja Susan Varughese, Archana P.S., Ashigha Anil Kumar E., Aswathi P., Athira Anto, Anju Ullas

II

11. Effect of Smoking and Tobacco Chewing on Superoxide Dismutase Activity.....57
Utkarsh Yadav, Junaid Ahmed, Nandita Shenoy, Nanditha Sujir, Ceena Denny
12. A Study of Young Adults' Intention towards Genetically Modified Foods: Mediating Effect of Health Belief63
Avinash Rana, Vishal Soodan
13. Assessment Of Stress Among Who Take Care Of Elderly Individuals At Home In Selected Rural Community At Kanchipuram Distrect, Tamil Nadu, India.69
B. Indra, K. Gowri Lakshmi, S. Saritha, G. Jayashree, M. Yagajeyanthi
14. Empowerment among Type 2 Diabetes Mellitus Patients.....73
Bency Bhasy, Linda Varghese, Sreekutty C.S., Sreepadma P.K.
15. Life beyond the Diagnosis of Breast Cancer: A Qualitative Study on the Lived Experiences of Breast Cancer Survivors78
Binsha Pappachan C., Fatima D'Silva, Safeekh A.T.
16. A Study of Prevalence of Type 2 Diabetes Mellitus among Adults in an Urban Population of Eluru: POT2DIE Study.....83
Chandrasekhar Vallepalli , Chandra Sekhar Kalevaru, Balaraju Ratna, U. Vijaya Kumar, Ch. Rama Mohan, P.G. Deotale
17. A Comparative Study to Assess the Academic Performance and Factors Affecting it among Higher Secondary School Students in Both Rural and Urban Areas of Vadodara.....89
Chetana Patel, Rajesh Joseph, Nirmal Raj
18. Applications of Chitosan in Dentistry94
Chitharanjan Shetty, Aditya Shetty, Shishir Shetty, Gurmeen Kaur, Mithra N. Hegde, Lakshmi Nidhi
19. Health, Sanitation and Hygienic Problems among Women Travellers in Nepal101
Devika S., Sreenath Muraleedharan K.
20. A Study to Assess the Level of Knowledge on Home Management of Diarrhea among Mothers105
Divya R., Nandhini T., Pradeep Raj, Subbulakshmi S.
21. Autonomic Function Tests in Chronic Obstructive Pulmonary Disease (COPD) and their Correlation with Disease Severity109
Ganesan R., Gaur G.S., Karthik S., Vishnukanth
22. A Cross Sectional Study on Smartphone Addiction among Students in Ayapakkam, Thiruvallur District, Tamil Nadu, 2018115
Gideon J.I., Mosoniro Kriina, Athira Venugopal, Minu Maria Mathew, Boopathi K., Vasna Joshua
23. A Study to Assess the Effectiveness of Health Teaching Programme on Knowledge Regarding Stem Cell Collection, Preservation & its Benefits among Student Nurses of Selected Nursing Colleges of Vadodara.....121
Ishita P. Shah, Vruti Patel, Robby Solanki

24. A Study to Assess the Level of Nomophobia among Students at Sumandeep Nursing College, Vadodara with a View to Develop an Information Booklet.....126
Ismail P.A., Darshni Patel, Harika Patel, Feni Patel, Drashti Patel
25. A Study on Drug Utilization in Hypertension in Medical Care Hospital.....130
Jalpa Suthar, Priyal Shah, Krupali Patel, Pankti Pathak
26. A Retrospective Study to Compute the Prevalence of Pneumonia and its Associated Risk Factors among Children in Selected Tertiary Care Hospital, Kelambakkam, Kancheepuram, Tamilnadu, India.....136
Jegin P., Dinesh Kumar M. , Dayana J., Elakiya E., Subbulakshmi S.
27. A Comparative Study to Evaluate Early Postoperative Complications and Short-Term Quality of Life Assessment Between Stripping and Endovenous Laser Therapy in the Treatment of Chronic Venous Insufficiency Patients: A Study From North India139
Jitendra Kumar Kushwaha, Ankit Gupta, Pranav Yadav, Abhinav Arun Sonkar
28. Risk Assessment of Catheter Associated Urinary Tract Infection among Catheterised Patients at Selected Hospital at Mangaluru146
Jomol Johny, Joseymol Joy, Jositta Reji, Juby Kurian, Keerthana K.R., Indumathi
29. Classification of Caesarian Data Using Machine Learning Models150
K. Butchi Raju, Chinta Someswara Rao
30. Effectiveness of Myotherapy on Stress among Patients Subjected to Major Orthopaedic Surgery at a Tertiary Care Hospital, South India.....157
K. Sathiya, Vijayasamudeeswari, Mohan kumar
31. Impact of Cranial Electrical Stimulation on Statistical Indices of Time Domain Parameters of Heart Rate Variability in Hypertensive Individuals162
Khyatee, Aparna Sarkar, Rajeev Aggarwal, Inder singh
32. Role of Hip Complex Re-Training Exercises on Patients with Chronic Low Back Pain169
Krishna Kumar Singh, Swapnil Ramteke, Subrat Samal
33. Assessment of the Prevalence of Febrile Seizure and Associated Factors among Children: A Retrospective Study174
L. Jisha, P. Jayaprabha, S. Gnanawel, K. Gowtham Kumar, P. Kogila
34. Effectiveness Practice-intervention Based Project on Knowledge, Attitude and Practice Compliance to Infection Control Measures and Factors Predicting Non-compliance among Nurses Working in Tertiary Care Hospital, Mangalore, India.....177
Larissa Martha Sams, Shalini Lidwin Fernandes, Diana Lobo, Amitha P. Marla
35. Awareness of Oral Complications of Diabetes Mellitus in Diabetes Patients: A Questionnaire Study.....184
Lekshmy Jayan, A. Ramesh Kumar, R. Ramya, Monika Srivastav
36. Effectiveness of Nursing Intervention on Knowledge of Family Caregivers of Patients with Paraplegia.....189
Liny Joseph, C. Kanniammal

IV

37. Effect of Video Assisted Teaching on Usage of Plastics and its Impact on Environment among Adolescent in a Selected School, Kanchipuram District, Tamil Nadu..... 194
M. Saranbharathi, T. Sowmiya, D. Moses Rathnakumar, M. Pradheepa J., Shenbagapra N.
38. Assessment of Risk of Fall among Elderly 197
M. Vijay, S. Mohanapriya, V. Vinodhini, R. Divya, Sathiyapriya V.
39. Recharging Ground Water Using Age– Old Traditional Mechanisms..... 201
Manbeer Kaur, Mona Prashar
40. A Study on Work Life Balance and Stress of Female Employees in IT Sector: A Study with Special Reference to Employees in Chennai..... 207
Mary Sudharshini Fernando, M. Kavitha
41. Comparison of the Masticatory Efficiency and Biting Force between Conventional Complete Dentures and Implant Retained Over Dentures with Different Types of Attachments 212
Mohammed Abid, Nagesh Bhat, Seema Abdul Gani, Nagarajappa R.
42. Concept Mapping as a Clinical Learning Strategy on the Competency Scores of Nursing Students 219
Jasmine Joseph, Hemalatha R.
43. A Study on Nutritional Value and Sensory Evaluation of Wheat Gateaux by Addition of Jaggery..... 224
John Williams, H.M. Moyeenudin, Manivel K., Mark Keith Faraday
44. Thyroid Disease Classification Using Decision Tree and SVM..... 229
K. Dharmarajan, K. Balasree, A.S. Arunachalam, K. Abirmai
45. An Empirical Study on Impact of Traffic Pollution on Health of Roadside Vendors and its Effects on Their Business 235
Lavanya A., Kiruthikasri S., Aishwarya H.S., Surendarnath K., Shashank S., G. Devakumar
46. A Study to Analyse the Reliability and Validity of the Smartphone Goniometer Application (G-PRO) by Measuring the Elbow Joint Range of Motion..... 240
Maheshkumar P.G., Harihara Subramanyan, Swapna N., J. Jannet Merlin
47. Water Quality Assessment of Kanchipuram Temple Pond by Using Statistical Method and Water Quality Index 246
Meenakshi Perumal, Sriram Gopalsamy
48. Awareness of Ceramic Implants among Dentists in Tamilnadu 253
Mohamed Thamemul Ansari K.A., Dhanraj M.
49. Problems of Nosocomial Infection in Newly Upgraded and Newly Opened Government Health Institutions and their Management 258
Naresh Vashist, Raveen Chauhan, Kumari Kamlesh
50. A Study on Brand Awareness and Customer Engagement 263
P. Vanitha, S. Subramanian

51.	Linezolid Resistant clinically Significant Isolates of Coagulase Negative Staphylococci: An Emerging Therapeutic Concern.....	268
	<i>Priyanka Chaturvedi, Anita Pandey</i>	
52.	Quality Characteristics and Antioxidant Properties of Bread Supplemented with Iron Rich Black Strap Molasses.....	274
	<i>R. Balakrishnaraja, P. Pavithra, C. Sivapriya, K. Saranya, T. Vishnu, J. Bindhu</i>	
53.	Personal Health Record Using Cloud computing Technology.....	280
	<i>R. Sumithra, V. Jayalakshmi, R. Priya</i>	
54.	Knowledge, Coverage and Usage Patterns of Health Insurance in Rural South India.....	287
	<i>Rahul Hegde, Karthamada Ganapathy Kiran, Nanjesh Kumar S.</i>	
55.	An Assessment of Improvement in Child Health Care Practices through Counselling of Mothers by ASHA Workers in Rural Communities of Rajasthan.....	292
	<i>Rajat Khanna, Nirupama Prakash, Alka Sharma</i>	
56.	Role of Intrinsic Motivation in Eating Habits and Physical Activity in Adults with Primary Hypertension	298
	<i>Rajkumar Eslavath, Madhavaram T. Kishore, P. Madhira</i>	
57.	The Combination of Transcranial Direct Current Stimulation (tDCS) and TENS - Its Effectiveness on Pain and Functional Outcomes in Knee OA Patients: A Pilot Study	306
	<i>Rekha Chaturvedi, Sivachidambaram Kulandaivelan</i>	
58.	A Study on Epidemiology and Its Models.....	310
	<i>S. Balambigai, S. Siva Shankar, Gayatri Parasa, M. Mary Sujatha</i>	
59.	Ideal Self-Concept Factors influencing on Emotional Intelligence among School Teachers and Nurses.....	316
	<i>S. Antonysamy, J.M. Asgarali Patel, A. Velayudhan</i>	
60.	A Study to Assess Prevalence of Cysts and Tumours in the Oral Cavity: A Retrospective Study.....	322
	<i>S. Bhuvaneshwari, Silpiranjan Mishra</i>	
61.	Neural Network Based Implementation of Corner Detection for Biomedical Application in Computer Vision.....	325
	<i>Santosh M. Herur, S.S. Kerur, Kalmeshwar N. Hosur</i>	
62.	Effectiveness of Ultrasound Therapy on Oral Submucosal Fibrosis.....	331
	<i>Senthilkumar S., Chitra S., Vijayaraghavan R., V. Hemaashree, Subhavani P.</i>	
63.	Clinic microbiological Profile of Gram Negative Bacterial Infections in Adult ICU's of a Tertiary Care Centre	337
	<i>Shalini Shenoy Mulki, Sevitha Bhat, Pooja Rao</i>	
64.	Comparative Evaluation of pH and Calcium Ion Release in Newer Calcium Silicate Based Root Canal Sealers.....	343
	<i>Sunpreet Kaur, Navneet Kukreja, Abhishek Bansal, Anamika Thakur, Ankita Sharma, Aayush Malhotra</i>	
65.	Tobacco Prevalence and Usage Pattern in the Urban Slum of Visakhapatnam	348
	<i>Surada Chandrika, Chepuru Rajyalakshmi</i>	

VI

66. Psychological Health in Respect of Self Esteem among Rural, Urban and Semi Urban College Students of Different Genders of East Midnapore District: A Cross Sectional Study354
Susmi Biswas, Sourav Gangopadhyay, Jayeeta Majumder
67. Anthropometric Profile of Mentally Challenged Children359
Syed Tariq Murtaza, Ashish Kumar Katiyar, Farkhunda Jabin
68. Pattern of Spending Leisure Time among the School Going Adolescents and Its Effects on their Mental Health365
Uttam Mana, Pranab Barman
69. Utility of High Fidelity Simulation Training in Improving Adherence to Critical Actions During Cardiopulmonary Arrest372
Parag Rishipathak, Monesh Bhandari, Anand Hinduja
70. Effectiveness of Video Assisted Teaching on Knowledge Regarding Home Care Management among Patients Diagnosed with Acute Coronary Syndrome376
Parvathy Chandran, Binutha V.P.
71. Assess the Prevalence of Type 2 Diabetes Mellitus among Adults at Selected Areas in Kanchipuram District, Tamilnadu, India.....382
Pavithra M., Kavitha S., Chindiya J., Yogalakshmi R., Steffepriessill A.A., Haripriya R., Shenbagaprabha N.
72. Assessment of Self Esteem and Peer Pressure among Adolescents in Selected College of Kanchipuram District, Tamil Nadu384
Pema Drema Gyamo, P. Nivetha, P. Pavithra, S. Nandhini, Metha J.
73. A Modified Technique for Establishing the Occlusal Plane in Complete Denture Prosthesis.....388
Pradeep S.
74. Quality of Life among Survivors of a Disaster in Kodagu District, India.....391
Prakash B., Jose Jom Thomas, Praveen Kulkarni, Narayana Murthy M.R.
75. Surgical Approaches to Infra Orbital RIM Fractures: A Review Literature397
Prakash Dhanavelu, Senthilnathan, Vijay Aravind R.
76. Caffeine: Benefits, Risks and Effects-A Review401
Praveen Kumar Gupta, Himashankari B., Anwesha Sinha, Kandi Arvind Reddy, Priyadharsini V., Lingayya Hiremath, Ajeet Kumar Srivastava
77. Internet Addiction among Medical Postgraduate Students: A Cross- Sectional Study.....407
Ishan Pathak, Preet P. Khona
78. Sickness Absenteeism and Associated Factors among Foundry Workers in Belagavi, Karnataka: A Cross Sectional Study412
Preet P. Khona, Sulakshana Baliga
79. The Burden Leprosy Diseases in India: A Study with Special Reference to Tamilnadu and their Districts .417
Dr. R. Hariharan

80.	Post Endodontic Treatment in Diabetic Patients and Correlation with their Glycemic Status: A Study	423
	<i>R. Jagadish Rajkumaar, Gheena S.</i>	
81.	A Descriptive Study to Assess the Knowledge, Practice and Attitude on Iron Deficiency Anemia among Adolescent Girls at Selected Private School, Kanchipuram Dt, Tamilnadu, India	428
	<i>R. Renuga, S. Sivaranjani, S. Jeevitha, S. Ashwin Kumar, Subbulakshmi S.</i>	
82.	Effectiveness of Structured Teaching Programme Regarding Weaning Practices among Primipara Mothers in a Selected Area at Kanchipuram District, Tamilnadu, India.....	433
	<i>R. Vinothini, M. Deepan Babu, S. Vasuki, T. Nandhini, J. Nancy Victoria</i>	
83.	The Relationship of Low Birth Weight Babies with Stunting in Toddlers Aged 12-36 Months in Bogor Regency, 2019	437
	<i>Ari Wijayanti, Ratna Djuwita</i>	
84.	Bio-monitoring of Atmospheric Heavy Metals Deposited on Selected Tree Leaves in Kanchipuram, Tamilnadu	443
	<i>Sumathi Ramesh, Sriram Gopalsamy</i>	
85.	Unmet Need of Objective Monitor to Evaluate Performance Status in Lung Cancer Patients	449
	<i>Reema Shyamsunder Shukla, Yogender Aggarwal, Shreeniwas S. Raut, Rakesh Kumar Sinha</i>	
86.	The Drug Compliance and Factors Influencing Therapeutic Regimen among Senior Citizen	454
	<i>Regina Antony, Shali Mol U.S, Revathy R. Nair, Rintu Thomas</i>	
87.	Competency on Breast Feeding among Mothers of High Risk Babies and Practice of Nurses in Assisting the Mothers with a View to Develop A Protocol	459
	<i>Sanaya Suresh, Anila. K.P., Rafia Islam</i>	
88.	Nutritional Status of Adolescent Girls Residing in the Urban Field Practice Area of S.N. Medical College, Bagalkot	465
	<i>Vasundara S. Gayakwad, Gowri Shankar</i>	
89.	A Comparitive Study on Road Traffic Accident in Kerala and Tamil Nadu: A Secondary Data Analysis ...	470
	<i>N. Venkata Abinaya, Saravanan Govindaraj</i>	
90.	Evaluation of Effective Dose and Associated Radiation Risks in Common Computed Tomography Procedures	477
	<i>Abdul Kayyum, Nitika C. Panakkal, Arathy Mary John</i>	
91.	A Correlative Study to Assess the Knowledge and Practice of Housewives Regarding Householdwaste Management in Selected Rural Community at Mangalore with a View to Provide an Information Pamphlet	483
	<i>Abin Baby, Shycil Mathew</i>	
92.	Role of the Internet in the Health-Seeking Behaviour of Parents of Children Under-Five During Fever	488
	<i>Abinaya Sivakumar, Padmasani Venkatramanan, Sarala Premkumar</i>	
93.	Poverty and Access to Medicine: A Medico Legal Study	491
	<i>Ajay Kant Chaturvedi, R.L. Koul</i>	

VIII

94. To Assess Cases of Trigeminal Neuralgia.....496
Alankrita Chaudhary, Kuldeep Dhanker, Sachin Chand, Pallavi Sharma, Priyanka Bhushan
95. Early Postoperative Pain Intensity after Laparoscopic Cholecystectomy and Associated Risk Factors.....500
Amrita Panda, Jagadish Chandra Mishra, Ansuman Panigrahi, Sowyma Kandregula, Riddhika Majumder
96. Determination of Efficacy of Different Apex Locators.....505
Anu Vashisht, Ekta Choudhary, Sagar Chaudhary, Ritu Sharma, Rukhsar Anjum, Aashima Kulshreshtha
97. The Volatile Analogy of Premenstrual Disorders and Neglected Mental Health Care of Women: A Descriptive Study508
Arsha Subbi, Balakrishnan Kalamullathil
98. Correlation of Cancer Antigen 125 Levels with Adnexal Masses514
Atmajit Singh Dhillon, Neha Vashishat, Bimal K. Agrawal
99. Dependence of Demographic Indicators upon Government Expenditure on Health: A Study of the Indian States519
Bandita Deka
100. Correlation of Total Serum Calcium and Ionic Calcium Levels with Severity of Birth Asphyxia.....526
Kusum Mahajan, Bharat Bhushan Singh, Charu Chandwani, Vikramjot Singh
101. Growing Body Disrelish among Teenage Girls: A Serious Health Issue: Cross-sectional Study Based on College Girls of Ernakulam District.....532
Bincy Mole Baby, Balakrishnan Kalamullathil
102. Usage of Complementary Alternative Medicine among the Patients Attending Tertiary Care Hospital.....537
Bodhi Sri Vidya Vennam, Srinivasa Reddy. Pulusu, N.G. Nagamani, R.V. Manasa
103. Adoption of Health Management Information System (HMIS) among ESIC Healthcare Professionals in Southern Districts of Tamil Nadu: An Integrated Model.....542
C. Sriram, V. Mohanasuundaram
104. Malpositioning of Central Venous Catheter from Right Internal Jugular Vein into Ipsilateral Vertebral Vein: A Rare Phenomenon547
Chashamjot Bawa, Laveena Dabla, Jyoti Raina, Himank Chadha
105. Prevalence of Nomophobia and its Association with Loneliness, Self Happiness and Self Esteem among Undergraduate Medical Students of a Medical College in Coastal Karnataka.....551
Chethana K., Maria Nelliyanil, Manjula Anil
106. Silver Diamine Fluoride in Arresting Dentinal Caries in School Children.....558
Shivani Daga, Vabitha Shetty, Amitha Hegde
107. Study of Effects of Formalin Exposure in Dissection Hall on Pulmonary Function Tests of Medical Students564
Shrirang N. Patil, Milind Thorat

108. Effectiveness of an Animation Video on Behavioral Response to Pain among Toddlers During Immunization in a Selected PHC at Mangalore India570
Bijimol N.J., Shycil Mathew
109. Marsupialization for the Management of Unicystic Ameloblastoma-Retrospective Study576
Srikar M.V., Sangamesh N.C., Vidya K.C. Rao, Jugajyothi Pathi
110. Sepsis Unfolding a Very Large Pheochromocytoma in an Elderly Patient: A Case Report581
Subhash Chandra Dash, Naba Kishore Sundaray, Debabrata Kumar Sabat, Urvashi Ghosh, Promod Kumar Tudu, Sohail
111. Assessment of the Level of Awareness on Negative Impact on Playing Mobile Games among High School Students in Selected Higher Secondary School, Kanchipuram District, Tamilnadu.....586
Rebetha S., Vaishnavi R., Robin Jayaraj C., Divakar Rao G., T.R. Manjula
112. The Cut that Scars: Exploring Female Genital Mutilation in Somalia with Reference to Select Texts.....590
Reshma Sarah Easo, Sreenath Muraleedharan
113. Development of Rapid, Sensitive and in-expensive Point of Care Diagnostic Method for Brucellosis in Dairy Cattle at Resource-Limited Areas594
Revathi Poonati, Prudhvi Chand Mallepaddi, Rudrama Devi Punati, Soumendra Nath Maity, Krishna Satya Alapati, Kavi Kishor B. Polavarapu, Rathnagiri Polavarapu
114. Effect of Recreational Therapy on Attention and Depression in School Children with Learning Difficulties601
Rutuja Amit Lalingkar, Trupti Saurabh Yadav, Sayali Shreenivas Gijare
115. Human Papilloma Virus Infection Status and Oral Cancer Incidence in South India–Lack of Evidence and its Current Impacts607
S. Karthika Nagarajan, Usha Subbiah
116. Assessment of Knowledge, Attitude and Practice on Immunization among Primi Mothers of Children611
S. Aswini, S. Tharaniya, R.J. Joey Persul, B. Avinash Lingam, P. Kogila
117. Fluorosis: An Endemic Health Disease616
Sakshi Chaturvedi, Chakrapani Chaturvedi, Ashutosh Dadhich
118. Incidence and Recurrence of Dental Caries after Repeated Application of Topical Fluoride Gel on Permanent Dentition of School Children of a School-based Dental Program in Nerul: A Retrospective Study619
Shatakshi Srivastava, Shrirang Sevekar, Sabita M. Ram, Mihir Jha, Laresh Mistry, Vaibhav P. Thakkar, Sujata Hirve
119. Evaluation of Balance Control and Pattern of Muscle Activation from Functional Perspectives Across the Ages– An Observational Study Protocol623
Singh Sonia, Kaur Ravinder, Sharma Sorabh, Multani Kaur Narinder, Sonia Singh
120. Dental Stem Cells Beyond Dentistry628
Sona Baburathinam, Vidyarani Shyamsundar, Aravindh Babu N., Masthan K.M.K.

X

121. Relationship between Maxillary Molar Root Tips and Maxillary Sinus Floor Using CBCT633
Suhas Manoharan, Jayanth Kumar V.
122. To Study the Effect of Rotator Cuff Exercises on Tennis Elbow 638
Swapnil Ramteke, Subrat Samal
123. Relationship between Occupational Stress and Resilience643
S. Vasantha, R. Santhi
124. Assessment of Practice and Attitude of Mothers in Using Over the Countermedication in a Selected Rural Area of Kanchipuram District, Tamil Nadu 649
Vishnu Priya S., Ashwin Garry Joshua I., Shakthivell N.S., Sandhiya B., Krupa Susan Koshy
125. A Study to Assess the Effectiveness of Nursing Directives on Knowledge Regarding Lifestyle Modification among Diabetes Mellitus Patient Admitted at Dhiraj General Hospital, Waghodia Vadodara 653
Ravindra H.N., Yogendra Rathod, Sonal Patel
126. Assessment of Mycobacterium Tuberculosis Sensitive Antibiotics from the Isolation of LJ Media659
Zafar Nowshad Wani, Pushpa Yadav, Garima Jaiswal, Mridul Malakar
127. Level of Stress and Coping Strategies among Institutionalised and Non-Institutionalised Elderly..... 665
Soumya Raj K., Anagha Raj M., Amulya N.
128. Quality of Sleep among Diabetes and Non–Diabetes–Pilot Study..... 671
Neenu Merin, Regina Antony
129. Competency Based Core Infusion Curriculum in Indian Setup-An Imperative Need676
Anand L., Gandhimathi M., Unmona Borgain
130. Patanjali Yoga Practice and its Effect on Mental Health and Moral Judgment Amongst Juvenile Delinquents681
Dayal Sandhu, Amit Kumar, Monika Agarwal
131. Quality of Life of Wives of Alcoholics686
Shiji P.J., Neetha Kamath
132. A Study on Knowledge, Attitude and Practice on Mosquito Borne Diseases in Thirumazhisai, Thiruvallur District, Tamilnadu.....691
B. Charumathi, D. Jayashri, R. Rajayamini, Gomathy Parasuraman, Ruma Dutta, Timsi Jain
133. Awareness, Attitude and Obstacles in Research among Dental Professionals in Chennai: An Institutional Based Survey697
Akila Ganesh, Janani Krishnamachari, Janani K., M. Rajkumar, B. Archana, S.K. Balaji
134. “Chewing Technique” Using Gums toward Mucositis Prevalence on Chemotherapeutic Cancer Patients...704
Hernita Frisnawati Purba, Laili Rahayuwati, Titis Kurniawan, Ikeu Nurhidayah, Kusman Ibrahim
135. Predicting Pollutant Removal with Abundance of Plants in the Interest of Health: An Evidence Based Study710
Rudraksh Gupta, Manju Rawat Ranjan, Usha Mina, Rajshree R Gupta,

136. A Trailer of Health Care Spending in Indian Scenario.....	716
<i>S. Chandrachud, S. Sudha, Telu Suvarna, S. Saravanan, E. Siva</i>	
137. Effect of Balance Training on Health Related Quality of Life in Patients with Chronic Obstructive Pulmonary Disease (COPD).....	720
<i>Suresh Babu Reddy A., Nataraj Madagondapalli Srinivasan, T. Anil Kumar, Vinod Babu K. Gopala Krishna Alaparathi, Kalyana Chakravarthy Bairapareddy</i>	
138. Factors Associated with Achieving Hematological Response in CML (Chronic Myeloid Leukemia) Patient.....	727
<i>Willy Anthony, Tutik Harjianti, A. Fachruddin B., Syakib Bakri, A. Makbul Aman, Hasyim Kasim, Arifin Seweng</i>	
139. ‘My Live is Meaningful and Adherence to Antiretroviral Therapy’ Men Who Have Sex with Men (MSM) Who Live with HIV/AIDS; Mixed Method	733
<i>Yafi Sabila Rosyad, Hema Malini, Rika Sarfika</i>	
140. The Development Model of Post Malaysia Sports School’s Athlete Alternative Career Pathway.....	738
<i>Zulakbal Abd Karim, Yusop Ahmad, Najib Razak</i>	
141. Organizational Schizophrenia in Indian Organizations: The Mitigating Role of Resonant Leadership	743
<i>Ashish Sinha, Deepansha Gautam</i>	
142. A Narrative Review of Literature of Health Information Seeking Behaviour	749
<i>T.R. Gopalakrishnan, Rachel Jacob</i>	
143. Empirical Investigation between Occupational Stress and its impact on Job Satisfaction among Medical Practitioners’ of Jawaharlal Nehru Medical College.....	754
<i>Yogendra Pal Bharadwaj, Aruna Dhamija, Somesh Dhamija</i>	
144. Validation of the World Health Organisation 5-Item Well-Being Index (WHO-5) among the Adult Population Living in a Chronically Arsenic Affected Area of Rural West Bengal in India	760
<i>Pallabi Pattnaik</i>	
145. Socio-economic Determinants in the Utilization of Maternal Health Care in India: Exploring National Level Data.....	766
<i>R. Vivekanandhan, A.K. Ravishankar, Nawaz Rasool</i>	
146. Catastrophic Health Care Expenditure on Maternal Health Care in India: Evidence from National Level Data.....	772
<i>R. Vivekanandhan, A.K. Ravishankar, Nawaz Rasool</i>	
147. Effectiveness of Planned Teaching Programme on Knowledge Regarding Child abuse among Mothers.....	777
<i>Rajashri B. Karale, Pradnya Malgi, Vaishali R. Mohite, Samir K. Choudhari</i>	
148. The Association between Cardiovascular Risk Factors and Dental Caries amongst Patients Visiting a Dental College in Greater Noida, U.P.	782
<i>Sahil Thakar, Shivalingesh KK, Bhuvandeep Gupta, Swati Sharma, Vatsul Sharma, Mansimranjit Kaur Uppal, Ahmad Jhurry Hadi</i>	

XII

149. A Review of Glass Ionomer as ‘ART’ Sealant..... 788
Savil R Uchil, Baranya Shrikrishna Suprabha, Arathi Rao
150. Treatment Seeking Pattern of Relapse Cases of Substance Use Disorder in Bangladesh..... 793
Iqbal Masud, Mohammad Hayatun Nabi, Tasnuva Humaira, Amir Hussain, Farah Naz, Sanjana Zaman, Mohammad Delwer Hossain Hawlader
151. Predicting effect of Personality Traits and Age on Emotional Intelligence 798
Mahendra Kumar, Gayatri Jay Mishra, Sumanlata Saxena, Vandana Singh, Mahesh Kumar, Yanjana
152. Synthesis of Rosemary Oleoresin Mediated Silver Nanoparticles and its Characterisation Using UV-Vis Spectrophotometry and TEM..... 804
T. Ushanthika, Roy Anitha, S. Rajeshkumar, T. Lakshmi
153. Serum Cotinine Level as a Biomarker for Tobacco-Related Oral Cavity Malignancy..... 809
Vekariya Mayank, C.Z. Pardeshi
154. To Assess the Capacity to do Breast Self Examination among Non-Medical Female Employees of Tertiary Care Hospital from Western Maharashtra 816
Purnima M. Desai, Manisha C. Gholap, Samir K. Choudhari
155. TOMON (Tooth Monster Hunter): Educative Media for Teaching Toothbrushing to Children 821
Salikun, Supriyana, Suwarsono, Emma Kamelia
156. Infant Massage Promotes Growth in Full-term Infants 827
Rahma Dian Hanifarizani, Yulia Silvani, Mergy Gayatri,, Prasetya Ismail Permadi,
157. The Outcome of Myringoplasty with D without Cortical Mastoidectomy Comparative Study between Elastic Nail Versus Plates and Screws in the Treatment of Diaphyseal Both Bone Forearm Fracture in Children 834
Farhad Jalil Khayat, Laysaa Adil Rashid, Hayder A. Fawzi
158. Determinants of Unmet Need for Family Planning among Married Women Age 15-49 in Sumatera Utara Province (Analysis of 2017 RPJMN Data)..... 841
Erna Mutiara, Ancha Sitorus, Sri Rahayu Novita
159. Relationship between Effective Leadership and Decision Making on Patient Safety Culture..... 847
Endang Pertiwiwati, Jajar Martono
160. Colombian Users’ Experiences about Telemedicine in Health Services..... 851
Lucia Palacios-Moya, Lemy Bran-Piedrahita, Alejandro Valencia-Arias, Martha Benjumea-Arias
161. Analysis of Public Value in Governmental Institution Cardiac Center as an Example 856
Sulaman Almesned, Abdulrhman Almesned
162. The Effect of Metal Nanoparticle on LH, FSH and Testosterone in Male Rats..... 860
Dalya K. Naser, Kadhim A. Aadim, Ahmed K. Abbas and Salah M.M. AL-Chalabi
163. Innovation of Jemawut Cookies (Foxtail Millet)-Tuna On Nutrition Status and Zinc Value for Children Aged 6-24 Months With Less Nutrition Status In Regency of Pacitan–Indonesia 865
Fibria Dhian Ikawati, Diffah Hanim, Harsono Salimo

164. The Effectiveness of Local Dance Training of the Northeastern Thailand (Champa Sri) to Increase Glomerular Filtration Rate (GFR) in Elderly Women in Mahasarakham Province, Thailand..... 870
Nuanprang Duangsawang, Chulaporn Sota, Ampornpun Theeranut, Pongsawat Rattanasang, Earnporn Thongkrajai, Ampon Sriraksa
165. A 10-Year Follow-up of Rehabilitation of Severely Atrophied Edentulous Mandible with Implant Supported Over Denture: A Case Report 876
Ajay Jain, Chethan Hegde, Sridevi Ugrappa
166. Vascular Complications of Type 1 Diabetes among Indian Patients 880
Alma Baptist,, S. Salvi,, C.S. Yajnik
167. Mental Health Among Orphan and Non-Orphan Adolescents in Delhi-NCR 886
Ashu Kumari, Nudrat Jahan
168. A Study to Establish Correlation between Dermoscopic and Clinical Findings of Dermatophytosis 891
Asma Arif Hussain, Namita D. Narkhede
169. Normative Data of Trunk Muscle Endurance for Male Long-Distance Runners of Vadodara: An Observational Study 897
Bhura Paras A., Shah Sweety A., Bhura Camy P.
170. Spatial Cluster Analysis as a Sampling Approach in Public Health Research..... 902
H. Gladius Jennifer, M. Bagavan Das
171. Prevalence of Good Menstrual Hygiene Practices among Adolescent Girls in a Rural Area Kancheepuram District 909
M. Buvneshkumar, P. Kaveri, V. Ravivarman
172. Influence of Age and Gender on Mindfulness-Cognitive Science 916
M. Thirumaran, Manibalan Vijayaraman, Mohammed Irfan, S. Khaja Moinuddin, Nayab Shafaque
173. Effects of Intensive Short Term Speech Therapy During the Early Stages of Hospitalisation Following Ponto Medullary Stroke..... 921
Megha Mohan, Malavika Anakkathil Anil
174. Association of Internet Addiction with Social Support, Loneliness And Stress: A Cross Sectional Study among Female College Students 924
Nitasha Khehra
175. Effects of Dance and Movement Therapy (DMT) Versus Progressive Muscle Relaxation (PMR) on Quality of Life among Elderly Residing in Selected Old Age Homes of Haryana: A Quasi Experimental Study 930
Prakash Jha, Srinivasan P., Uma J Deaver, Jyoti Sarin
176. Effects of Integrative Neuromuscular Training Combined with Yoga and Stretching Exercises on Abdominal Strength Endurance of Primary School Children 936
S. Malar, D. Maniazhagu

XIV

177. A Combination of Clinical Examination with Specific Biomarkers and Judicious Use of Imaging Modality can Reduce the Rates of Negative Appendicectomy941
Satyendra Kumar Tiwary Raghunath More, Sandip Kumar, Amit Nandan Dwivedi, Jayant Maurya, Satendra Kumar
178. Adolescent Behavior: Understanding in Relation to Mental Health and Implication in Nursing: Review Article947
Srinivasan P., R. Sreevani
179. Psychosocial Impact of Overactive Bladder Symptoms among Adults in a Selected Hospital at Mangaluru.....953
Susamma Varughese, Rajeev T.P., Rodrigues Devina E.
180. Etiological Factors of Failure in Endonasal Dacryocystorhinostomy960
Tripti, Abhay D. Havle, Ganesh M. Vihapure, Swapna A. Shedge
181. Evaluation of Sensory Responsiveness in Children with Autism Spectrum Disorder964
U. Ganapathy Sankar, Monisha R.
182. Assessment of Diabetes Risk and the Factors Associated in Adult Population Using Indian Diabetes Risk Score: A Community Based Study in Coastal Andhra Pradesh.....968
V. Sarada, B. Subbarayudu, C. Rajyalakshmi
183. Passive Tobacco Exposure in School Age Children with Recurrent Respiratory Illness using Salivary Cotinine Assay.....974
Vijay Simha, Ashwini P.S., UllalHarshini Devi, Rathika D. Shenoy
Vijay Simha, Ashwini P.S., Rathika D Shenoy, Ullal Harshini Devi
184. A Retrospective Study on Most Common Symptoms in Dengue Viral Infection of Paediatric Age Group Presented in a Tertiary Care Hospital, Visakhapatnam.....979
Yasaswini Sabbineni, Pilli Hema Prakash Kumari, Payala Vijayalakshmi
185. Impact of Internal Branding on Employee Engagement: An Empirical Study Conducted among Medical Staff's Brand Supporting Behaviour in Indian Hospitals.....985
Asha Binu Raj
186. Effectiveness of Health Education on Myths of Menstrual Hygiene among Adolescent Girls in Selected Rural Area in Andhra Pradesh, Vizianagaram District.....991
Krishna Vaishnavi P.
187. Polymorphism in XRCC1, XRCC2, XRCC3 Genes and Risk of Gastrointestinal Cancer: A Case-Control Study from South-Western Maharashtra.....997
Madhavi N. Patil, Kailas D. Datkhile, Anand Gudur, Rashmi A. Gudur, Satish V. Kakade, Sandeep S. Kadam
188. Correlation of Anthropometric Parameters with Blood Pressure: An Anthropometric Study among Two Endogamous Groups of Haryana1002
Sandhya Singh , Reena Singla, Vishal Verma

189.	A Cross Sectional Study on Drug Adherence among Type 2 Diabetes Mellitus Patients Attending a Tertiary Care Hospital in Chennai.....	1007
	<i>Srisanthana Krishnan V., Roselin V.</i>	
190.	p53 and c-erbB-2 Expression in Breast Cancer: An Indian Population Study.....	1013
	<i>Satendra Kumar, Satyendra K. Tiwary, Raghunath More, Krishna Jee Pandey, Puneet, Ajay K. Khanna</i>	
191.	A Study of Internet Addiction and its Association with Big Five Personality Traits in Indian Adolescents.....	1018
	<i>Shibani Julka, Rajesh Upadhyay</i>	
192.	Content Validation of Early Intervention Protocol for Preterm Infants in Indian Population.....	1024
	<i>A. Rajarajeswari, P. Ramachandran, L.N. Padmasani, Sailakshmi Ganesan</i>	
193.	Effect of Core Stability and Functional Mobility Exercises on Muscle Strength after Lumbar Spinal Cord Injury	1028
	<i>Miss Neha Y. Kakade, Suraj B. Kanase</i>	
194.	Medicalization of Judicial Mode of Execution: A Critical Study in American Context.....	1034
	<i>Author-Anjum Hassan, Meenu Gupta</i>	
195.	A Cross Sectional Study to Evaluate Tree Plantation and Gardening as an Intergenerational Bonding Activity Amongst Geriatric Population.....	1039
	<i>Rahul Netragaonkar, Amrut Arun Swami, Shruti Amrut Swami</i>	
196.	Development of Job Design Indicators for Generation Y Nurses at Tertiary Level Hospitals under Ministry of Public Health in Thailand.....	1045
	<i>Porntipa Suparasri, Netchanok Sritoomma, Suchitra Luangamonlert</i>	
197.	Why is Education Important to Prevent Cognitive Impairment? A Cross-Sectional Study in Jakarta Indonesia.....	1051
	<i>Raden Siti Maryam, Junaiti Sahar, Kuntjoro Harimurti, Sutanto Priyo Hastono</i>	
198.	Breast Cancer: Self-Concept and Quality of Life for Patients in Wahidin Sudiro Husodo Hospital Makassar City, Indonesia	1057
	<i>Rahman, Naharia Laubo, Baharuddin K, Rudy Hartono</i>	
199.	Risk Communication in the Air Pollution.....	1062
	<i>Rahmi Amir, Anwar Daud, Indar, Furqan Naeim</i>	
200.	HIV/AIDS Awareness of People Who Work at Barbershops and Beauty Salons at Al-Nasiriya City in Iraq.....	1068
	<i>Rawaa Kamel Abd, Tareq Al-Qassab, Vinoth Raman</i>	
201.	Pneumonia among Under-Five Children in Indonesia: A Situational Analysis.....	1074
	<i>Restuning Widiasih, Binahayati, Nenden Maryam, Habsyah Agustina, Mutia Assyifa, Tata Sudrajat, Retno Wardhani</i>	
202.	Health Risks of People Living Close Cipayung Depok Landfill Due to Hydrogen Sulfide Exposure: Respiratory Problems and Malodor Peceptions.....	1080
	<i>Rima Maulida Hidayati, Suyud Warno Utomo, Haryoto Kusnoputranto</i>	

XVI

203. Influenza Vaccine and The Frequency of Acute Respiratory Tract Infection of West Java's Pilgrims-Indonesia: Is there any Correlations Between? (An Analysis of Siskohatkes Indonesian Hajj Data 2018) 1086
Risma Yustiani Syarif, Syahrizal Syarif, Tri Yunis Miko Wahyono
204. The Increasing Obedience and Changes in Blood Pressure Through Family Empowerment Model in Elderly People with Hypertension..... 1093
Risna Damayanti, Abdul Aziz Alimul Hidayat, Nurhayati
205. Risk Factor of Hypertension among Adolescence: A Literature Review..... 1097
Riza Fikriana,, Nursalam, Shrimarti Rukmini Devy, Ahsan, Al Afik
206. The Influences of Coping Strategies on Emotional Well-Being Victims of Verbal Bullying in Senior High School 11 Surabaya 1101
Rosdiana Mahardika Putri, M. Bagus Qomaruddin, Rachmat Hargono
207. The Role of the School's Health Clinic Teacher on Clean and Healthy Life Behavior in Elementary School Students in the South Ternate City 1106
Rusny Muhammad, Kartini M. Ali
208. Correlation between Plasma Sex Hormones Levels and Hepatitis C Infection in Some Iraqi Male..... 1111
Sahah Saad Abdulsahib, Ammar Basim Al-Assadi, Kadhim Ibrahim
209. Impact of Discharge Educational Program on Preterm Infants' Mothers' Knowledge and Practice 1116
Samar M. Mohamed El-Hadary, Soheir A. Dabash, Hanan M. Rashad, Zahraa E. Osman
210. Effect of Protocol of Care for Mothers on Selected Postoperative Outcomes among their Children with Developmental Dysplasia of the Hip..... 1122
Samar. S. Abd Elkhair, Afkar R. Mohamed, Sanaa A. Mohamed, Hassan M. Elbarabary
211. The Temporal Pattern of Ambient PM2.5 and Health Risk Assessment in Thailand 1128
Samart Prasertsin, Ganjana Nathapindhu
212. Psychological Wellness of Early Childhood Educators Inventory: A Reliability Analysis Study 1133
Samsiah Mohd Jais, Mohammad Nasir Bistamam, Mohammad Aziz Shah Mohammed Arip, Pau Kee, Amelia Mohd Noor, Md Azman Shahadan
213. The Correlation Factors on Epilepsy Stigma amongst People in Indonesia..... 1139
Saniya Ashilah Rabbani, Joseph Ekowahono R, Viskasari P. Kalanjati
214. Effect of a Learning Activity Package on Improving Awareness about Liver Fluke Prevention and Control for Secondary School Students in Northeastern Thailand..... 1145
Saowalux Khatchamart, Suchada Paileeklee, Ariyaporn Kuroda, Teerachai Nethanomsak, Narong Khuntikeo
215. Protective Effect of Ethanolic Extract of Zingiber Officinale Against Mercuric Chloride Induced Renal Toxicity In Rats 1150
Sawsan A. Ali, Mariam A. Kadhem, Hameed A. Ali

216. Association between Superoxide Dismutase 2 p.(Ala16Val) and Superoxide Dismutase 3 p.(Arg213Gly) Genetic Variants and Risk of Peripheral Neuropathy in Children and Adolescents with Type 1 Diabetes.....1156
Sharaf H., Hamed M., Ramzy T., Ashraf H., Hassan M.
217. Outcome of Treatment of Chronic Hepatitis C Patients by New Antiviral Drugs..... 1161
Sharehan Abdelrahman Ibrahim, Ibrahim Abdelghany Motawea, Ghada Mohammed Elzagheir, Ragaa Abdelshaheed
218. Evaluation of Implant Stability after Application of Platelet Rich Fibrin in Mandibular Posterior Ridge Splitting and Simultaneous Implant Placement Versus Xenograft Application: A Randomized Clinical Trial.....1166
Shymaa M. El-Halawany, Takek El-Ghareeb, Elzahra FELbagoury
219. The Influence of Age, Work Period, Distance of Residence, and Midwife's Intention to Behavior in Recording and Reporting Routine Immunization.....1173
Sindy Aziza Hermanuya, Sri Widati, Oedojo Soedirham
220. Decreasing Blood Sugar Levels Through Modification of Diabetes Exercise and Peer Group Support1178
Siti Rahmani, Abdul Aziz Alimul Hidayat, Nurhayati
221. Pre-Marriage Course Regarding Health Reproductive: Knowledge and Attitude of Bride and Groom Candidate in Preparing Health Status before Pregnant in Grobogan Regency1182
Achadi Nugraheni, Cahya Tri Purnami, Atik Mawarni, Winarni M., Apoina Kartini, Septo Pawelas Arso, Alfi Fairuz Asna
222. Correlation between 25-Hydroxyvitamin D Serum Levels with Telomere Length in Premenopausal Minangkabau Ethnicity Women.....1187
Sri Nani Jelmila, Delmi Sulastri, Yuniar Lestari
223. The Dynamics of Budget Fulfillment Policy in the Implementation of Minimum Service Standards in the Health Sector at Community Health Centers (Case Study in Sleman and Magelang Regencies, Indonesia)1193
Sunarto, Mukti, A.G, Pramusinto A.
224. The Development of the Aerobic Dance Leaders Training Program..... 1199
Surumpa Charoensuk Kaewwong, Chulaporn Sota
225. The Impact of the Use of Sports Centre Facilities (Teamsport) towards Student's Mental Health: A Pilot Study1205
Suzila Ismail, Farah Nadia Mohd Faudzi, Mohd Azrin Mohd Nasir, Nor A'tikah Mat Ali, Aizul Firdaus Musa, Syaliza Adiha Tewiran
226. The Relationship between Adolescent Pregnancy and Stunting among Toddlers Aged 12-36 Months in Bogor District, Indonesia.....1211
Syamsul Ma'arif, Ratna Djuwita
227. Factors of Acute Diarrhoea among Children of Under Five Years Old in Sabah, Malaysia: A Case-Control Study.....1217
Syed Sharizman Syed Abdul Rahim, Shamsul Azhar Shah, Mohammad Saffree Jeffree, Zahir Izuan Azhar, Mohd Rohaizat Hassan, Nazarudin Safian & Narinderjeet Kaur

XVIII

228. Effect of Visfatin on Insulin Resistance in Non-Obese Adolescents 1223
Thidarat Somdee, Suneerat Yangyuen, Suvimol Sungkamanee, Udomsak Mahaweerawat
229. Escherichia Coli in Musca Domestica Flies toward the Incidence of Diarrhoea in Children Under Five Years in around the Location of Traditional Fish Processing in the North Jakarta..... 1228
Uli Rohati Siregar, Dewi Susanna
230. Effects of Benzene Exposure on Respiratory Symptoms to Workers in the Informal Footwear Industry... 1233
Ummiyatul Hajrah, Agustin Kusumayati, Ema Hermawati
231. Factors Associated with Limited Level of Health Literacy on Application of Health Information Related to Opioid Use in Kachin State, Myanmar 1239
Ye Htut Oo, Wongsu Laohasiriwong
232. Evaluation of Serum Lipid Profile after Different Chemotherapeutic Regimens in Iraqi Patients with Breast Cancer..... 1245
Zainab Nazar Hasan Anber
233. Escherichia Coli as a Biological Model for Reduction of Graphene Oxide..... 1250
Zina Bakir Al-Hilli, Nawfal Hussein Aldujali
234. Factors Affecting Pregnant Women Behavior on Antenatal Care (Anc) Examination in Three Health Centers in Jombang Regency 1256
Rahayu Wijayanti, Shrimarti Rukmini Devy, OedojoSoedirham
235. Relationship between Multiparity and the Types of Histopatology of Cervical Cancer..... 1261
Ratih Nawang Wulan, Zaenal Abidin, Esa Rosyida U., Elmi Aris R., Jajuk Retnowari, Eko Sih P., Dewi Arini H.
236. Stigmatization People Living with HIV AIDS (PLWHA)..... 1266
Rio Ady Erwansyah, Moecharam, Rizky Asta Pramesti, Argo Winoto, Miranti Dea D, Moch Dadang S, Ainur Rusdi
237. Development of Doctors Attire According to Patients Preferences 1270
Rizki Fadillah, Rizma Adlia Syakurah, Riana Sari Puspita Rasyid
238. Lower Abdominal Pain During Office Hysteroscopy as a Guide in the Assessment of Tubal Patency in Infertile Women..... 1275
Sally Elattar, Ahmed Maged, Moutaz Elsherbini
239. Overview of Smoking History in Lung Cancer Patients at RSUD Dr. Soetomo, Surabaya 1281
Santi Martini, Kurnia Dwi Artanti, Sri Widati, Dessy Arumsari
240. Radiographic Evaluation of Two Different Designs for Treatment of Mandibular Bilateral Free End Saddle with Osseo-integrated Implants 1287
Seham Sabra, GehanF ekry, Emad Agamy
241. Adaptive Physical Education in Rehabilitation after Injuries Maxillofacial Area 1293
Sergey Petrovich Evseev, Olga Eduardovna Evseeva, Andrey Vladimirovich Aksenov

242. Role of Autophagy in the Myelodysplastic Syndrome and Myeloproliferative Disorders1298
Shaimaa F. Kamel, Mohamed E. Abd El-Fattah, Hisham A. Aly, Hisham M. Tawfik, Elwy M. Soliman, Khaled M. Salah
243. The Influence of Reward and Communication to Cohesion Team of Tuberculosis Prevention Team in Community Health Centers 1306
Sinta Dewi Lestyoningrum
244. The Effect of Burnout on Employee Satisfaction in 9 Local Health Centers in Surabaya City..... 1311
Siti Fatimah Hariyati, Ernawaty
245. The Influence of Social and Cultural Factors on the Decision of Selecting a Place for Preeclampsia Mother Giving Birth 1317
Siti Nur Azizah, Ernawaty
246. The Difference of Brain Derivat Neutrophic Factor of Mus Musculus Newborn from Adolescent and Adult Pregnancy 1321
Sri Wahyuni, Widjiati, Muhammad Miftahussurur
247. The Relationship between Integrated Antenatal Care (ANC) Service and the Transmission Prevention Examination from Mother to Children in Sleman Public Health Centers in 2018..... 1326
Suci Musvita Ayu, Ana Amalia Rizqi
248. Correlation of Maternal Education with Parenting and Child Nutritional Status..... 1331
Sukmawati, Bambang Wirjatmadi, Merryana Adriani, Shrimarti Rukmini Devy, Sirajuddin
249. The Correlation Between Social Support and Mental Health among Mothers of Children with Autism Spectrum Disorder 1337
Susi Rosida Simanjutak, Sri Hartini
250. An Evaluation of Epidemiological Surveillance of Transport Equipment for A Prevention Strategy of Quarantinable Diseases and Pandemic Potential Diseases in the Health Office of First Class Port of Surabaya in the Working Area of Tanjung Perak Port of 2018..... 1343
Syahrial Setia Perdana, Chatarina Umbul
251. Does Vertigo Predict Hypertension in Cervical Spondylosis: Clinical Trail Study..... 1348
Talib Kadhim Akar
252. Maternal Death Model Induced Neuron Cells Apoptosis in Rattus Norvegicus Newborn..... 1352
Tri Yunita Fitria Damayanti, Hermanto Tri Joewono, Widjiati
253. Behavioral Based Nutrition Education Intervention to Increase Fish Consumption among School Children Using Raised Bed Pool Media: Protocol for a Randomized Control Trial 1358
Trias Mahmudiono,, Triska Susila Nindya, Qonita Rachmah, Luh Ade Wiradnyani
254. The Actions to Control the Blood Pressure among a Community Hypertensive Elder in Denpasar City ... 1363
Triyana P.D., Budi U., Zaenal A., Riny P., Lis T., Antonia H.H.
255. Internal Constraints and Policy Constraints on Conventional X-Rays..... 1368
Ulfa Munta Ati, Annis Dwi Trisnawati

XX

256. Effects of Hyaluronic Acid and Silver Sulfadiazine in Laceration Wound on Wistar Rats..... 1373
Vannes C.P. Sapan, Jufri Latief, Prihantono, Arifin Seweng
257. Breast Cancer among Young Women in Baghdad, Iraq..... 1378
Venus M. Fadil, Mohsin A.A. Sahib, Jawad K.Al-Diwan, Najim Al Khaldy, Safra H. Alhusseini, Sabah J. Mohammed
258. How Do School Nurse Programs Influence Premarital Sexual behavior In Adolescents?..... 1384
Wenny Artanty Nisman, Yayi Suryo Prabandari, Ova Emilia, Elsi Dwi Hapsari
259. Women’s Involvement in Decision Making and Unmet Need for Contraception In Indonesia 1390
Yunita Amraeni,, Sudijanto Kamso, Sabarinah B. Prasetyo
260. Needs of Family Caregiver Education for Caring Stroke Patients at Home 1396
Yunita Putri Wulansari, Ira Nurmala, Rachmat Hargono
261. Risk Factor for Anxiety on Clients with Diabetic Foot Ulcer 1401
Zaenal Abidin, Kusnanto, Supriyono, Edy Purwanto, Hendrik Haryono
262. Cyclic Fatigue Resistance of Wave One Gold, F6 SkyTaper, One Curve, and AF Blue R3 NiTi Rotary Instrumentation Systems..... 1407
Zainab M. Abdul- Ameer, Samar Abdul Hamed, Rasha H. Jihad, Jacob Al-Hashemi
263. Dietary habits among former athletes in Saudi Arabia..... 1413
Zayed M Altowerqi,, Zainal Abidin bin Zainuddin, Sameer M. Sayyd,, Wadee A Alkuhaili,, Moayed A. Alsayegh,
264. Evaluation of the Efficacy of Diode Laser in Maturogenesis of Immature Teeth with Necrotic Pulps: An in Vivo Study “Part One” 1419
Abd El Rahman Ossama El Mekkawi, Medhat Abd-El Rahman Kataia, Magdy Mohamed Ali, Stefano Benedicenti, Reham El Sayed Abdel Salam, Ahmed Mohamed El Sayed
265. Comparative Study Between Effects of Epidural Magnesium Sulphate on Intraoperative and Postoperative Analgesic Requirements in Cancer Thoracic Surgery: A Randomized Controlled Trial..... 1425
Abdelfattah Abdelsatar Hussein, Hossam Zarif Ghobrial, Mahmoud Ahmed Kamel, Amr Mohamed Ahmed Saied, Mohammed Khattab, Abdelrahman Tarek Mohammed, Ahmed Mohammed Ahmed Elhalwagy
266. Risk Factors of TB in Southern Iraq with Specific Focus on Governorates with Marshland Populations .. 1432
Abdulkarim Fazza Al-Missadi, Saeb Jasim Al-Shuwaili, Ahmed Asmer Mankhi, Layth Ghazi Al-Salihi, Dheyaa Bakheet Al-Rabeai, Hashim Ahmed Al-Battat, Zuhair Abdulkareem Alsalemi
267. Relationship Antenatalcare (ANC) with Neonatal Death in Indonesia (Data Analysis 2017 IDHS) 1438
Ade Mulya Nasrun, Helda
268. The Effect of Mind Fullness Therapy on Psych on Euro Immunology: A Systematic Review 1443
Agus Yulianto, Zaenal Abidin, Abdul Fauzi, Anita Dewi A., Ika Endah K., Dady Zharfan H., M. Hendri Haryono
269. Long Term Outcome of Laparoscopic Assisted Anorectoplasty in Management if High Anorectal Malformations in Males..... 1449
Ahmed Akoula, Ahmed Wishahy, Gamal Eltagy, Omar Nagy, Mohammed Abdelrahman

270. Regionalization Referral System of the Hospital National Health Insurance 1454
Amir Mahmud Hafsa, Alimin Maidin, Sukri Palutturi, Stang
271. Relationship of Knowledge and Experience with Perception of the Level of Emergency in Patient's Family at Emergency Room 1459
Ani Sutriningsih, Setya Haksama, Firman Suryadi Rahman
272. Relationship Factor Enabling Giving Complementary Foods for Breast Milk with Baby Nutrition Status in Makassar City 1464
Anto J. Hadi, Matius Rantesalu, Endang Maryanti, Erni Yetti R, Saskiyanto Manggabarani, Syamsopyan Ishak
273. Urinary Tract Stones Cases Profile at a B-type General Hospital, Gresik, East Java in March: May 2018 1470
Ardito Ario Willy Goller, Rochmad Yasin
274. Performance of Immunization Program Managers Based on Malcolm Baldrige Criteria for Performance Excellence (MBCFPE) in Puskesmas Tangerang District in 2019 1474
Asruddin, Dian Ayubi, Pujiyanto
275. The Impact of Primary Dysmenorrhea on the Level of Physical Activity among College age Students..... 1480
Ayat M. Omar Masoud, Heba A. Bahey El-Deen, Samya M. Hegazy^{a&b}
276. Factors Associated with Safety Compliance among Workers at Feed Poultry Industry 1486
Bachtiar Chahyadhi, Denny Ardyanto, TjiptoSoewandi
277. Public Perceptions About Immunization in Indonesia: National Online Survey 1491
Celcius Butandy, Muhammad Auzan Ridho, Klara Sinta, Rizma Adlia Syakurah
278. The Effect of Metal Nanoparticle on LH, FSH and Testosterone in Male Rats 1496
Dalya K. Naser, Kadhim A. Aadim, Ahmed K. Abbas, Salah M.M. AL-Chalabi
279. Association of Exclusive Breast Feeding Practice and Physical Activities in Reducing of Postpartum Maternal Weight 1501
Dede Wulanita Sari, Luluk Mutmainnah, Sri Sumarmi
280. Short-term Survival of Stroke Patients According to Hemorrhagic and Ischemic Stroke Type in National Brain Center Hospital Jakarta 1506
Desvina Della, Helda
281. Factors Affecting Nurse Performance in Medical Ward 1511
Desy Puspa Sari, Bayu Saputera, Muhammad Saleh, Qomariyatus Sholihah, Ibrahim Daud
282. Maternal Death Model Decreases the Expression of BDNF in Rattus Norvegicus Newborns' Cerebrum and Cerebellum 1516
Duhita Dyah Apsari, Hermanto Tri Joewono, Widjiati
283. Is it a Common Oral Lichen Planus or a Part of Grinspan's Syndrome? 1522
Dwi Ariani, Harum Sasanti, Taufan Bramantoro

XXII

284. Effect of Chitosan on the Reproductive System of Female Rats (*Rattus Norvegicus*) Exposed to Lead Acetate 1527
Dwi Dianita Irawan, Annisa Wigati Rozifa, Alief Ayu Purwitasari, Umi Kalsum, Nurdiana, Retty Ratnawati, Kenty Wantri Anita
285. Physiological Response of Men Over 50 to Dosed Physical Activity: The Basis for Preventing the Development of Diseases of the Cardiovascular System 1533
Ekaterina Sergeevna Kachenkova, Svetlana Yuryevna Zavalishina, Dmitry Mikhailovich Pravdov, Gennady Nikolaevich Germanov
286. The Difference of Exposure Effect of the Mozart, Javanese, Sundanese and Balinese Gamelan Music During Pregnancy to the Number of Neuronal Cells on Cerebrum and Cerebellum of Offspring *Rattus Norvegicus* 1539
Elfrida Kusuma P, Hermanto Tri J, Widjiati
287. Correlation the Components of Health Belief Model and the Intensity of Blood Tablets Consumption in Pre-Conception Mother 1544
Evita Kumala Dewi, Sri Umijati, Aditiawarman
288. Factors Affecting the Survival of Antiretroviral (Arv) Therapy Patients in One of the Hospitals in Jakarta 2007-2017..... 1549
Fauziyah Hasani, Nuning Maria Kiptiyah, Mondastri Korib Sudaryo, Elisabeth SL Handayani
289. Assessment of Medical Rehabilitation Patients on Service Convenience..... 1555
Husnul Khatimah, Stefanus Supriyanto
290. Relationship Between Safety Promotion and Perception of the Use of Personal Protective Equipment (PPE) on Workers at Pt Aneka Gas Industri Region V East Java 1560
I Komang Indra Irmawan, Hario Megatsari
291. Correlation of Multidetector 64 Ct Pulmonary Angiography and Well's Clinical Score in Pulmonary Embolism..... 1566
Ibrahem E. Ali
292. Functional Lapin-Human Simulation of Knee Joint Synovial Mucosal Cytokine Responses in *Staphylococcus Aureus* Septic Arthritis 1575
Ibrahim M S Shnawa, Aljanabi IAA, Almohana A, Busisi HA, Abiaes AA
293. Influence of Predisposing Factors of Elderly on the Utilization of Health Services At the Health Centre in Sidoarjo District..... 1581
Ika Santi Widayasari, Ernawaty
294. Functional Features of the Endothelium in Conditions of Dysfunction of Cardio-Vascular System 1586
Ilnura Ibrahimovna Fayzullina, Galina Sergeevna Mal, Nadezhda Viktorovna Vorobyeva
295. Functional Features of Modern Cardiological Patients 1593
Ilnura Ibrahimovna Fayzullina, Galina Sergeevna Mal, Nadezhda Viktorovna Vorobyeva
296. Functionally Determined Measures for the Rehabilitation of Adolescent School Children with Chronic Obstructive Bronchitis 1598
Ilya Nikolaevich Medvedev, Dmitry Mikhailovich Pravdov, Alexander Viktorovich Dorontsev,

Tatyana Yuryevna Fedorova, Natalya Gennadievna Pryanikova

297. Predicting Behavioral Intentions to Control Type 2 Diabetes Mellitus from Social-Cognitive Variables at Haji Surabaya General Hospital, Indonesia..... 1604
Irma Dian Permata, Shrimarti Rukmini Devy, Oedojo Soedirham
298. Relationship Between Mother's Knowledge of Rubella with Measles Rubella (MR) Immunization Status in Children Age 9-59 Months at MR Campaign, Java Island - Indonesia 2017..... 1610
299. Impact of Drug Abuse among Students: A Case Study of the School of Health Technology, Jega, Kebbi State, Nigeria 1615
Kehinde Kazeem Kanmodi, Semeeh Akinwale Omoleke, Chika Umar Aliyu, Jesunbo John Martins,, Njideka Jacob Nwafor,, Precious Ayomide Ogundipe,, Mariya Ibrahim Abdulsemeeh-Omoleke,
300. Saturated Fat Acid Food Consumption Correlation with Hypertension in Elderly Woman 1620
Khirdiyah Mauliy Azzannabillah, Wirjatmadi
301. Relationship Energy and Protein Intake with the Incidence of Stunting among Toddler Aged (25-60 Months) in Mangkung Village, District of Central Lombok..... 1625
Lalu Moh. Anshori, Bambang Sutrisna, Sandra Fikawati
302. The Same Risk Factors of Hypertension in Women in Rural and Urban Areas (Following Analysis of Data Indonesia Family Life Survey 5 in 2014) 1631
Lestari Febrilia Dwi, Helda
303. The Phenomenon of Patient Health Education by Nurses in Hospital 1637
Lucky Amanda Fajriyanti, Ira Nurmala, Rachmat Hargono
304. Does Recovery Prevent Myocardial Damage Due to Overtraining?..... 1642
Made Kurnia Widiastuti Giri, Muchsin Doewes
305. Study Analysis of Oral Tuberculosis Patients in South Kalimantan, Indonesia 1649
Maharani Laillyza Apriasari, Monita Valentine Silalahi, Isnur Hatta
306. Herbal Dental Products: The Impact of Social Media on Consumers' Behaviour..... 1655
Manar E.Al-Samaray, Humam M. Al-Somaiday, Ali Mahmoud Al-Samydai, Rudaina Othman Yousif
307. The Difference Effect of Adolescent and Adult Pregnancy on Apoptosis Index of Neuron Cells 1662
Maria Felixia Agustini Bayo, Hermanto Tri J, Muhammad Miftahussurur, Widjiati, Ernawati, Sulistiawati, Zaenal Abidin
308. The Affect of Zinc and Calcium Adequacy Levelon Stunting Toddler Aged 24-59 Months (**In Bulak Banteng Health Center, Surabaya**)..... 1668
Marintan Laura Siagian, Lailatul
309. Different Grades of Body Mass Index is Correlated with Left Atrium and Ventricle Structure in Patients with Hypertensive Heart Disease..... 1674
Meity Ardiana, Rofida Lathifah, MakhyanJibrilAl-Farabi,, Muhammad Satya Bhisma
310. Correction of the Manifestations of Attention Deficit Hyperactivity Disorder in Primary School Children 1679
Anatoly IvanovichAlifirov

XXIV

311. Functional Features of External Respiration in School Children of Adolescence, Long Suffering from Chronic Obstructive Bronchitis 1684
Vladimir Yurevich Karpov, Ilya Nikolaevich Medvedev, Dmitry Mikhailovich Pravdov, Failya Ravilievna Sibgatulina, Alexander Viktorovich Dorontsev
312. Specificity of the Neurotic Syndrome of Employees of Organizations with Professional Deformations.... 1690
Olga Borisovna Polyakova, Dmitrii Vladimirovich Semenov, Alexandr Fedorovich Anufriev, Alexandr Olegovich Blinov, Mariya Anatolyevna Kovaleva, Vera Vladimirovna Pchelinova, Alexandra Stanislavovna Shcheglova
313. The Physiological Reaction of the Surface Properties of Erythrocyte Membranes in Individuals who Previously Had Low Physical Activity at the Beginning of Regular Physical Training..... 1696
Nadezhda Viktorovna Vorobyeva, Victor Ivanovich Zatsepin, Tatyana Vladimirovna Skoblikova, Elena Viktorovna Skripleva, Artem Viktorovich Skriplev, Anatoly Alexandrovich Khvastunov
314. Preventive Potential of Health Tourism in Terms of Preventing the Development of Arterial Hypertension..... 1701
Svetlana Yuryevna Zavalishina, Mikhail Nikonorovich Komarov, Andrey Valentinovich Malyshev, Alexey Vitalievich Gusev, Viktor Ivanovich Sharagin
315. Short Term Outcomes of Laparoscopic Complete Mesocolic Excision with Central Vascular Ligation for Right Colonic Cancer..... 1706
Mohamed Abdel Aziz, Abu Baker M. Mohi El-Deen, Ayman M. Hasanien, Ahmed M. Attia, Ahmed S. Hafez
316. Comparative Study Between Inversion and Non Inversion of the Staple Line in LSG 1712
Mostafa A. Soliman, Hany A. Balamoum, Marwan S. Zahran, Mohammed A. Daoud, Mohammed S. Hassanein, Mohamed Shaaban
317. Intralesional Ethanolamine Oleate Injection for Management of Venous Malformations: Case series..... 1718
Moutaz Ragab, Sarah Arafat, Wesam Mohamed, Mohamed Hamed Abouelfadl, Ahmed Arafat, Mamdouh Aboul Hassan, Gamal Eltagy
318. Health Literacy Survey on Medical Students 1724
Moza Guyanto, Rizma Adlia Syakurah
319. Descriptive Study of the Implementation of Primary Health Care Services for Senior Citizens in Surabaya 1729
Muafa Mahdi Ramadhan, Ernawaty
320. Intrinsic and Extrinsic Factors of Cadre Performance in Non-Communicable Disease Integrated Development Post (Posbindu Ptm): Qualitative Study on Posbindu PTM Cadre in Gadingrejo Public Health Center, Pasuruan, East Java, Indonesia..... 1735
Muhamad Taufik Nurhuda, Shrimarti Rukmini Devy, Dra, Oedojo Soedirham
321. Nurse Communication and Patient Safety Incident Type of Clinical Administration 1741
Mulyamingrum, Aldiar Lailifah Kurniavip, Nyoman Anita Damayanti
322. Nurse Compliance in Implementing Standard Precaution Based on Theory of Planned Behavior 1747
Nadhif Alfa Charista Kusniar, Nyoman Anita Damayanti

323. Assessing Depression among Students in Malaysia.....1752
Nor Shafrin Ahmad, Ahmad Zamri Khairani, Aziah Ismail, Rahimi Che Aman
324. Relationship Between Age of Exposure and Media to Pornographic Exposure to Adolescents in Gorontalo City, Indonesia.....1757
Nour Arriza Dwi Melani, Irwanto, Ira Nurmala
325. Poverty or People Density Affecting Human Development? Panel Data Regression Study1761
Nuke Amalia, Arief Wibowo, Mahmudah
326. Effect of Low Density Lipoprotein (LDL) to High Density Lipoprotein (HDL) Ratio with Stroke in Adults in Bogor City.....1766
Nur Fadhilah Sari, Bambang Sutrisna
327. IncRNAs as New Biomarkers in Systemic Lupus Erythematosus: A Prospective Study1772
Olfat Gamil Shaker, Yasser Hussein Nassar, Tamer Atef Gheta, Randa Mohamed Essameldin Moussa Erfan
328. Dynamics of Micro-Rheological Properties of Red Blood Cells in Animals on the Background of Hypothermia1780
Olga Nikolaevna Makurina, Valery Panteleevich Kartashov, Elena Alexandrovna Notina, Irina Alexandrovna Bykova, Alexey Alexeyevich Terekhin
329. Study of the Link between the Audit (Alcohol Use Disorders Identification Test) and the PDQ-4+ Test (The Personality Diagnostic Questionnaire) in a Group of Alcohol Consumers in Morocco.....1786
Abdelaaziz Zaroual, Lamyaa Benchikhi, Jamal Mehssani, Abderrazzak Ouanass
330. Study of the Link between Personality Disorders and Burnout in Moroccan Call Center Agents1792
Abdelaaziz Zaroual, Lamyaa Benchikhi, Jamal Mehssani, Abderrazzak Ouanass
331. Psychosocial Risks of Moroccan Teachers: Study by the Karasek Questionnaire.....1797
Abdeslam Amri, Zakaria Abidli, Mounir Bouzaaboul, Sakina Mejdoub, Ziri Rabea, Ahmed Omar Touhami Ahami, Abdelmajid Soulaymani
332. Aerodigestive Tract of Foreign Body in 12 Indonesian Academic Hospital.....1803
Aditya Wira Buana, Herawati Juniati, Rizka Fathoni Perdana
333. Effect of Cinnamon Supplement to Laying Hens Diet in Blood and Egg Cholesterol Concentration.....1809
Afra A. Habeeb, AL-FuratAL-Awsat, Al-Dewaniyah
334. Perspectives From Key Stake Holders on Child Sexual Abuse in Pakistan: Glimpse of Potential Facilitators and Barriers.....1812
Afsheen Masood, Rafia Rafique
335. The Relationships of Environmental Sanitation with Stunting among Toddlers Aged 12-36 Months in Bogor Regency, West Java Province, Indonesia1818
Agus Nawan, Ratna Djuwita
336. Evaluation of Laparoscopic Colectomy for Colonic Cancer in Minia University Hospital (Two Years Follow Up).....1824
Ahmed Kenawy, Ayman Hassanen, Alaa Elsewefy, Adel Mohamed Shehata

XXVI

337. The Crucial Dentist Role Toward Stunting Prevention in Indonesia 1829
Alexander Patera Nugraha, Fianza Rezkita, Andari Sarasati
338. Correlation of Presbycusis with Demensia Based on Hearing Handicap Inventory for the Elderly-Screening and the Mini Mental State Examination 1834
Alfin Putratama, Nyilo Purnami, Djohar Nuswantoro
339. Comparison of Some Healthy Motor and Physical Abilities among Young Taekwondo and Karate Players and Their Relationship to Skill Performance..... 1839
Ali Jasim Kareem, Hamid Abdul shaheed Hadi, Abbas Mahdi Saleh, Salman OkabSarhan
340. Health care Systems and Their Transformation: A Comparing the Health Care System of Three Selected Countries 1845
Ali Mohammad Alokozay, Sayed Shoaib Ghafari, Batool Erfani, Shah Jahan Shayan
341. Creating Value Bugis-Based Filosive Ada Na Gauk in South Sulawesi Regional General Hospital 1850
Armin, Alimin Maidin, Indahwaty Sidin, Fridawaty Rivai, Muhammad Safar, Burhanuddin Bahar, Indrianty Sudirman
342. A Study of Exhaustion and Work-Related Stress of a Group of Employees at the Faculty of Science of Kenitra, Morocco 1856
Amal EL Alami, Abderrazzak Khadmaoui, Abdel Majid Soulaymani, Mohammed Ibriz
343. The Role of Endometrial Volume By 3 D Ultrasonography in Prediction of Endometrial Hyperplasia and Carcinoma 1862
Ameer Abdullah, Mohammed Tawfiq, Ahmed Rabie, Sameh Reda, Eissa Mahmoud
344. Emotional Freedom Technique as a Promotive Effort for Housewives to Change the Smoking Behavior of Family Members in Indonesia 1868
Andreanda Nasution, Ade Saputra Nasution, Satvica Kalbu
345. Nutritional Status, Family Support and Dietary Habit among Tuberculosis Patients: An Overview 1872
Anggraini Dwi Kurnia, Nur Lailatul Masruroh, Nur Melizza
346. The Ratio of 7-Ketocholesterol to Free Cholesterol on Patients of Acute Myocardial Infarction Treated in ICCU..... 1878
Ansar Katili, Bambang W, Budi Susetyo Pikir
347. Antibacterial Chitosan of Milkfish Scales (Chanos Chanos) Onbacteria Prophyromonas Gingivalis & Agregatibacter Actinomycetemcomitans..... 1884
ArniIrawaty Djais, Harun Achmad, Miftahul Jannah
348. Evaluation of Dietary Habits and Assessment of Eating Disorders among Adolescents with Celiac Disease in Morocco 1889
Asmae Zriouel, Abha Cherkani-Hassani, Abderrazzak Khadmaoui, Said Ettair,
349. Intake of Sulfur Dioxide (SO₂) Exposure to the Symptoms of Respiratory Impairment in Ceramics Industry Plered, Indonesia 1895
Ayudhia Rachmawati, Haryoto Kusnopranto, Bambang Wispriyono

350. Aging Effect on Marginal Gap Distance and Cyclic Loading of Two Different Ceramic Crowns1901
Mostafa Elhussieny, Mohammed Ismail, Chief A. Mohsen
351. Effect of Evoo on Mda, Adma and no Level in Rattus Norvegicus Pre-Eclampsia Model1906
Bambang Rahardjo, Wenny Rahmawati, Alfima Rahasti, Dwi Norma Retnaningrum, Hidayat Sujuti, Noorhamdani AS, Tri Yudani Mardining Raras
352. The Alteration on Malondialdehyde Content on Wistar Rats' Blood and Lungs Tissue to Ward the Exposure of Electric Cigarette Smoke.....1913
Bambang Wirjatmadi, Rivan Virlando Suryadinata
353. Perceived Social Support Level and Related Factor among Community Dwelling Urban Elderly1920
Bangonsri Jindawong, Piyathida Kuhirunyaratn, Isaraporn Thepwongsa, Prasert Prasomrak
354. Effectiveness of Health Education in Reducing *Plasmodium Vivax* Malaria Recurrence in Sentani Papua1926
Chandrayani Simanjorang,, Umar Fahmi Achmadi, Nasrin Kodim, Tri Yunis Miko, Agnes Kurniawan, Tri Krianto
355. Effects of Topical No Toner and Essence on Skin Changes in the Subjects with Acne Vulgaris1932
Chun Hyunsoo, Song Wonseob, Shim Joungmyo, Kim Aekyung, Kim Giyeon
356. Is There Any Correlation between Stress Levels and Sleep Pattern?.....1938
Debby Siagian, I. Gusti Ngurah Gunadi Sindhu Putra, Irfiansyah Irwadi
357. The Use of Mosquito Nets Associated with Malaria Cases in Donggala Regency, Central Sulawesi 2018.....1943
Dedi Mahyudin Syam, Herlina S. Sunuh, Andi Bungawati
358. Standardized Antenatal Care and Utilization of Skilled Birth Attendants in Indonesia.....1948
Desi Suantari, Besral
359. Density Flies and Helminth Infection at Child in Muara Angke.....1953
Devi Oktaviani, Dewi Susanna
360. Policy Implementation Analysis of District Health System to Improve Health Services: Study in North Central Timor Regency, East Nusa Tenggara Province, Indonesia1958
Dominikus Minggu,, Fred L. Benu, Frans Gana, Petrus Kase, Yuanita C. Rogaleli
361. Hypertention with Left Atrium abnormalities, Left Ventricular Hypertrophy, Qt Interval and the Smoker1964
Dwi Laksono Adiputro, Asnawati, Huldani, Harun Achmad, Dicky Arwandi, Joseph Teghar P, Muhammad Fariz Rizal A
362. Lead Exposure in Community Well Water of Open Dumping Solid Waste Cipayung, Indonesia.....1969
Endang Krisnawaty, Ema Hermawati, Budi Hartono
363. Does Parent's Gender Shape Adolescent's Behavior? a Study among Indonesian Migrant Worker Families Left Behind1974
Eri Wahyuningsih,, Yayi Suryo Prabandari, Tyas Retno Wulan, Ira Paramastri

XXVIII

364. Kurdish Women's Experiences of Health Care Needs with Breast Cancer: A Qualitative Interview Study From the Kurdistanregion of Iraq.....1979
Ezaddin Kamal Mahmud, Saadia Ahmed Khuder
365. Translation, Cross-Cultural Adaptation, Validity and Reliability of the Malay Version of the Rosenbaum Concussion Knowledge and Attitude Survey-Student Version (Rockas-St-M).....1984
Fariza Zainudin Fairus, Mohd Azrul Anuar Zolkafi, Ali Md Nadzalan, Zulezwan Ab. Malik, Lee Ai Choo
366. Changes in Blood Serum Levels of IGFI in Type 2 Diabetes and Alzheimer's Disease in Saudi Population: An Observational Study1989
Fatimah Abdou Khormi, Safa Yousef Qusti, Madiha Noah Sini
367. Effect of Acupressure Pain and Fatigue among Patients with Multiple Sclerosis1994
Fayza Ahmed Ibrahim, Hanan Ahmed Al Sebaee, Dalia Salah El Deen, Nevin Mohieldin Shalaby
368. Effect of Hydrotherapy Warm Red Ginger to Reduce Blood Pressure on Elderly at Panti Werdha Budi Luhur, Jambi2000
Fithriyani, Miko Eka Putri, Dede Nasrullah
369. Consistency of Condom Use Associated with HIV among Transgender in Indonesia: Secondary Data Analysis of IBBS 20152005
Fitri Indrawati, Mondastri Korib Sudaryo
370. Depression and Generativity of the Middle Aged: Mediating Effect of Social Support.....2011
Hae Kyung Chang
371. Quality of Life Evaluation in Titanium/Peek Andtitanium/Co-Crdouble Crown Systemin Implant-Retained Mandibular Overdenture (Randomized Controlled Trial).....2016
Hala Z. Abd Eltwab, Ahmed E. Fayyad, Ashraf A. Amer
372. The Correlation Between Nesfatin-1 Level and Insulin Resistance in Gestational Diabetes Verses Control2022
Shatha M. J. AL-Khateeb, Hanan Mousa Chiad, Esraa Hameed Humadi
373. Construct Validity Indonesian Version of Barthel Index for Post Stroke2028
Henny Pongantung, Josephine Lorica, Rosdewi, SKp, Merry Solon
374. Input Evaluation (HR, Funds, Method, Facilities and Infrastructure, and Targets) on the Implementation of Biscuits as Complementary Foods for Pregnant Women in Parepare City.....2033
Henrick Sampeangin, Else Theresia, MartinusJimung, Agustina Bernadus, Sherly Horax, Vidyanto, Abd Razak Thaha
375. The Relationship Between Lifestyle and Breast Cancer among 25-64 Year Old Women on Urban Areas of Indonesia in 2016.....2038
Herdiani Siallagan, Sudarto Ronoatmodjo, Nurhayati Adnan Prihartono
376. Coronary Artery Disease in the Military Setting: Lower Gensini Score in High-Rank Personnel Compared to Low-Rank and Civilian.....2044
I Gde Rurus Suryawan,, Benny Jovie,, Parama Gandi,, Makhyan Jibril Al-Farabi,, Ragil Nur Rosyadi,, Moch Fatichul Huda,,

377. Social Support on Parents of Children with Intellectual Disability.....2050
Ikeu Nurhidayah, Farras Amalia Alhusniati, Imas Rafiyah, Nur Oktavia Hidayati
378. Health Promotion Action by Primary Health Care for Smoking Prevention2055
Imam Kuswanto, Mohammad Zainal Fatah, Rachmat Hargono
379. The Influence of Posyandu Cadres' Training to ward the Predisposing Factors of Provider Initiated Testing and Counseling (PITC) of HIV Services for the Pregnant Women and Its Utilization on Samarinda Municipality, Indonesia.....2060
Irfansyah Baharuddin Pakki,, Kuntoro, Shrimarti Rukmini Devy, Windhu Purnomo
380. Nutritional Evaluation of Chayote Flour-Based Biscuits(*Sechium Edule*).....2066
Jamaludin M. Sakung, Yuli Nurmayanti, Rahmania, Mulyani, Hafsa Fitra
381. Trihalomethane Presence in Tap Water, Mahasarakham Province, Thailand.....2071
Jindawan Wibuloutai, Weerapong Hanrin, Natthaphon Phumphim, Thawatchai Huangboon, Sawan Thitisutthi, Udomsak Mahaweerawat*
382. Development of Strategic Implementation Indicators for Nursing Organizations at Community Hospitals in Thailand.....2077
JintanaTapin, Netchanok Sritoomma, Suchittra Luangamomlert
383. Medication Safety Climate Perception among Registered Nurses in a University Hospital, Thailand2084
Jongkol Poltree, Piyathida Kuhirunyaratn, Apichat Jiravuttipong, Wutchara Ruttanaseeha, Nipapan Ritthirod, Nuchajaree Wuttisupong
384. Characteristics of Outpatient Pre Diabetes Dr. Dody Sarjoto Hospital, Maros Regency, South Sulawesi, Indonesia2090
Junedi Sitorus, Nurhaedar Jafar, Ridwan Amiruddin, Sukri Palutturi, Veni Hadju, Owildan Wisudawan B
385. Factors Affecting Satisfaction and Necessity of Suicide Prevention Program.....2094
Jung Nam Sohn
386. Effect of an Educational Program on Knowledge and Practices of Alzheimer Patient's Caregivers2100
Khulud Ahmad Rezq, Heba Magdy Sharaa, Nawal A. Fouad
387. To Evaluate the Correlation of Stature with Hand & Foot Width in Subjects2106
Khwaja Moizuddin, Shaikh Siraj Ahmed Shaikh Hasham Saudagar, Sanket Dadarao Hiware, Faiza Banu Siddiqui, Syed Rehan Hafiz Daimi, Asim Mohsin Badaam
388. Health Risk Assessment on the Glyphosate Exposure of Knapsack Sprayers2109
Kodchakorn Uengchuen, Sunisa Chaiklieng
389. To Assess Correlation of Stature with Hand & Foot Length2115
Khwaja Moizuddin, Shaikh Siraj Ahmed Shaikh Hasham Saudagar, Sanket Dadarao Hiware, Faiza Banu Siddiqui, Syed Rehan Hafiz Daimi, Asim Mohsin Badaam
390. Teenage Girl Dating Experience: A Qualitative Study2118
Mia Fatma Ekasari, Rosidawati, Raden Siti Maryam, Ahmad Jubaedi

XXX

391. Diet Compliance Against Blood Pressure Control in Hypertensive Patients in Tegal Gundil public Health Center, North Bogor District: A Longitudinal Study.....2123
Kurnia Hariyani Sudarman, Ratu Ayu Dewi Sartika
392. A Case Study of the Impact of Overweight on Body Image and Self-Esteem in a Population of Moroccan Adolescents and Adults2129
Lamyaa Benchikhi, Abdelaaziz Zaroual, Hind Nafiaa, Abderrazzak Ouanass
393. Analysis Factors of Nursing Performance at the Mother and Child Hospital in East Java2135
Lembah Andriani Sulistyoning Dyah, Margono Setiawan, Dodi W. Irawanto, Fatchur Rohman, Nursalam Nursalam
394. Effectivity of Teacher Motivation on Dental and Oral Hygiene of Elementary School Students2141
I Made Budi Artawa, I Gede Surya Kencana, Ni Ketut Nuratni, Ni Made Sirat
395. Brain Tumour Headache and Their Prevalence.....2147
Manah Chandra Changmai, Mohammed Faruque Reza, Regunath A/L Kandasamy, Zamzuri Idris, Kastury Gohain
396. Study Some of the Factors Affecting the Incidence of Diabetes in the Employed Segment in Basra City .2154
Maryam J. Almusawi, Murtadha Gh. Jasim
397. Polyunsaturated Fatty Acid Intake and Symptom Severity of Patients with Schizophrenia in Ernaldi Bahar Hospital, South Sumatra, Indonesia2158
Mertien Sa' pang, Miftahull Hassana, Nadiyah, Prita Dhyani Swamilaksita, Harna
398. A Study of Cyber Bullying Behavior in Middle-Schools in Rabat- Morocco: Prevalence and Risk Factors2164
Nezha Miami, Amina Belahcen, Laila Lahlou, Abderrazzak Ouanass
399. The Correlation of Dental Caries with Parents Education Science Level at Ar-Rahmah Islamic Elementary School Tamalanrea Makassar, South Sulawesi.....2170
Mislia, Lilies Anggarwati Astuti,
400. Prevalence of Diabetes Mellitus among Stroke patients in King Fahad Specialist Hospital, Buraidah, 20182176
Mohammad Saleh Alsumaani, K. Chandra Sekhar
401. Risk Factors and the Pattern of Injuries of Road Traffic Accidents in Holy City of Karbala/Iraq2182
Mohammed Aqeel Abbas Alalawi, Saad Ibrahim Al-Ghabban, Alaa Abdul-Rahman Habeeb
402. Alpha-Fetoprotein for Prediction of Placenta Accreta in Women with Complete Placenta Previa Centralis: A Prospective Study2187
Mohammed Hany Mosbeh, Mohammed Abdallah Mohammed, Mo'men Mohamed Hassan, Ahmed Rabie Abd El-Raheim, Heba Reda Mohammed
403. Health Promoting School in Surabaya, Indonesia: The Six Elements Implementation2193
Muji Sulistyowati, Kuntoro, Oedjo Soedirham, Budi Prasetyo
404. Evaluation Context and Input of National Health Insurance in Ternate City.....2198
Muliana Muliana, Fauzi Almari

405. The Effectiveness Comparison of Type of Treatments in Decreasing of Total Dissolved Solid (TDS) and Total Suspended Solid (TSS) in Household Wastewater2203
Muliyadi Muliyadi
406. Environmental Health Risk Analysis of Carbon Monoxide Exposure among High Activity Communities Along “X” Street, Yogyakarta2209
Musfirah, Ahmad Faizal Rangkuti, Lyva Merintan Bahagiana
407. The Effect of Work Satisfaction on the Quality of Health Services (Literature Review).....2215
Mutmainah Indriyati, Syahrizal Syarif
408. Respiratory Symptoms of Housewives Exposed to SO₂ From Steel Industry in West Cikarang, Indonesia2220
Nada Amirah, Agustin Kusumayati, Suyud
409. Efficacy of Endoscopic Transantral Versus Transorbital Surgical Approaches in the Repair of Orbital Blow-Out Fractures (Randomized Clinical Trial)2226
Nahla M. Awad, Reem H. Hossameldin, Samer N. AbdelGabar, Ibrahim E. Shindy
410. Relationships of Workloads, Working Conditions and Dual Role Conflict with Nursing Stress2232
Nasrah Nasrah, Sulistiyani Sulistiyani, Elen V. Purba
411. Intention of Diabetic Foot Ulcer Prevention Model Based on Social Support and Personal Agency Perspectives2237
NasrunPakaya,, Kusnanto, Hari Basuki Notobroto, Rika Subarniati Triyoga
412. The Development of Diabetic Foot Ulcer Prevention Model Based on Psychosocial Perspectives, Attitude, Intention, Coping Mechanisms.....2243
NasrunPakaya,, Kusnanto, Hari Basuki Notobroto, Rika Subarniati Triyoga
413. Association of Syphilis and HIV among Indirect Female Sex Worker in Indonesia: Secondary Data Analysis of Integrated Behaviour Biological Survey in 20152250
Neneng Aini, Mondastri Korib Sudaryo, Syahrizal Syarief
414. The Knowledge of the Use of the Contraceptive Method among Married Men with Fertility Age 15-54 Years (Analysis of IDHS 2017 Data)2255
Nofia Caecilia Lae, Sudijanto Kamso
415. Preliminary Study: Reliability and Validity of CFM-1 Form as Physical Literacy Assessment Instrument2259
Nur Ikhwan Mohamad, Muhammad Hannan Sazali, Ali Md Nadzalan, Asmadi Ishak, Hishamuddin Ahmad, Thariq Khan Azizuddin Khan
416. Perceived Dimensions of Service Quality on Patient Satisfaction and Loyalty in Healthcare Context: A Systematic Approach2266
Nur Salsabilah Hamdan, Haslinda Musa, Atikah Saadah Selamat, Nurulizwa Rashid
417. Caring Behavior Improvement Model on Nursing Students at the Health Polytechnic of Ministry of Health, Pangkalpinang2272
Nurhayati

XXXII

418. Coping Strategies Used By Mothers in Children with Autism2277
Nurul Muchlisa, Helda
419. Dental Status and Characteristics of Oral Fluid in Patients with Juvenile Rheumatoid Arthritis2282
Olga P. Galkina, Kamila A. Kolesnik, Inessa G. Romanenko, Sergey I. Zhadko, Vitalii B. Kaliberdenko, Ellina A. Russo, Shanmugaraj Kulanthaivel
420. School Based Screening for Idiopathic Scoliosis in Premenarcheal Girls: A Pilot Study2287
Mudasir Rashid Baba, Ravindra Mohan Shenoy, Ajith Soman
421. HIV Infection, Religion and Spirituality in Nigerian Community Settings2293
Vera Victor-Aigbodion,
422. Public Health Relevance of Sparganosis in Javan Spitting Cobra Snakes (*Najasputatrix*): A Neglected Zoonotic Disease In Indonesia2297
Aditya Yudhana, Ratih Novita Praja, Dhandy Koesoemo Wardhana, Maya Nurwartanti Yunita, Faisal Fikri, Eunike Melanda Fransiska, Wardah Afifah Ismail
423. Strength Improvement in Adults Healthy Men2302
Agung Wahyu Permadi, Soetanto Hartono, Endang Sri Wahjuni
424. An Analysis of ROSIER Method on Handling Acute Stroke in Emergency Room of PKU Muhammadiyah Gamping Hospital.....2306
Al Afik, Erfan Firmawati, Riza Fikriana, Dwi Hutanti, Fajar Dwi Kurniawan, Amrulloh Qusyainy
425. Features of Determining the Condition of the Thyroid Gland in Young People Residing in Regions with Partially Expressed Iodine Deficiency.....2311
Baranovskiy Yu. G., Ilchenko F.N., Koladiya S.K., Patel M.M.
426. Experience of Indonesian Mothers in Implementing Kangaroo Mother Care During Hospitalization with Low Birth Weight Neonates2315
Dewi Elizadiani Suza, Setiawan Setiawan, Achmad Fathi
427. Postoperative Hypersensitivity and Digital Radiographic Assessment of a Zinc Modified Versus a Conventional Glass Ionomer Cement in Deep Carious Lesion: Randomized Controlled Clinical Trial2320
Dina Mounir El Kady, Rasharaafat, Mohamed Riad Farid
428. Impact of Stimulation on Infant's Communication Development in Kuantan, Indonesia; A 2- 4- and 6-Month Follow-up Study2326
Helda, Nur Annisa Fauziyah, Irwan Muryanto, Sudarto Ronatmojo, Nadya Magfira
429. Cost and Benefit Analysis of Laboratory Health and Safety Management System2332
Ida Ayu Indira Dwika Lestari, Fatma Lestari, Mila Tejamaya
430. Association between Syphilis and HIV in the Men Sex with Men (MSM) Population in Indonesia in 2015: Secondary Data Analysis of Integrated Behavior and Biological Survey (IBBS) 20152337
Irma Siahaan, Mondastri Korib Sudaryo
431. Social Immunity Not to Use Drugs on Youth (Case Study of the Marind and MUYU Tribes in The Border Region of Indonesia and Papua New Guinea).....2343
Mohammad Saljan, Ariani Pongoh

432. Psychoeducation for Improving Self Efficacy of Care Givers in Risk Coronary Heart Disease Prevention: The Study of Family Empowerment.....2348
Kumboyono Kumboyono, Ahmad Guntur Alfianto, Titin Andri Wihastuti, Emi Wuri Wuryaningsih, Yulia Candra Lestari
433. Community Experience on the Issue of BPJS (The Indonesian National Health Insurance System).....2353
Lailatul Kodriyah, Riza Fikriana, Wiwit Dwi Nurbadriyah, Nia Agustiniingsih, Listyawati Ratna Ningrum, Ronal Surya Aditya, Ella Mayasari
434. Acute Respiratory Infection Incidence among Toddlers Around the Steel Industry in Bekasi, Indonesia (2019).....2358
Lilian Susanti Nova, Agustin Kusumayati, Suyud
435. Suitability of Fertility Indicators between Smart Fert and Indonesia 2010 Population Census.....2362
Lutfi Agus Salim, Hari Kusnanto, Lutfan Lazuardi, Kuntoro
436. Depression and Cyber-Victimization among Middle School Students in Morocco2368
Nezha Miami, Amina Belahcen, Laila Lahlou, Abderrazzak Ouanass
437. Application of Health Impact Assessment in Development of Sustainable Community-Based Tourism Strategies, Krabi Province, Thailand.....2374
Prawit Kunnikom, Umaporn Muneenam, Phen Sukmag
438. Molecular Characterization of Virb4 Coding Gene: A Virulence Factor on Brucellosis as Zoonotic Disease.....2380
Ratih Novita Praja, Aditya Yudhana, Maya Nurwartanti Yunita, Dhandy Koesoemo Wardhana
439. The Relation between Self-Efficacy and Quality of Life of Patients with Type 2 Diabetes Mellitus in Pelamonia Hospital Makassar2385
Rusni M., Ernawati, Hasifah, Amriati M., M. Askar
440. Nasal Versus Oral Feeding Tube Placement: Selected Outcomes among Preterm Infants.....2390
Salwa M. Ahmed, Hanan M. Rashad, Hoda A. Mahmoud, Tamer A. Abd El Hamid
441. Law Enforcement on Tobacco Control and Smoking among Youths in the Northeast of Thailand.....2395
Saroj Nakju, Wongsa Laohasiriwong, Kittipong Sornlom, Keopanha Soeung
442. Workers Involvement in Improving the Effectiveness OSH in PT. Wijaya Karya (Wika) Beton Makassar (Case Study the Pettarani Elevated Toll Construction Project).....2401
Suharni A. Fachrin, Alfina Baharuddin
443. Protein Complex of AGO1, Bamand Brat Proteins Negatively Regulate Expression of dMyc a Cell Competition, Proliferation and Cancer Regulator through Conserved Sequences in Drosophilacells.....2407
Sumira Malik, Kim Changsoo
444. The Association of Perceived Neighborhood Environment Factors and Methamphetamine Use among Drug Addicts in Northern, Thailand.....2414
Suneerat Yangyuen, Manop Kanato, Chatchada Mahaweerawat, Udomsak Mahaweerawat, Thidarat Somdee

XXXIV

445. Medication Adherence in Patients of Diabetes Mellitus Type 2: Status of Depression and Working Status2419
Widyarti R., Hendrati L.Y.
446. Potential Hazards of Antibiotics Resistance On Escherichia Coli Isolated From Cloacal Swab In Several Layer Poultry Farms, Blitar, Indonesia2424
Adiana Mutamsari Witaningrum, Freshinta Jellia Wibisono, Dian Ayu Permatasari, Wiewiek Tyasningsih, Mustofa Helmi Effendi,, Fredy Kurniawan
447. Analysis of Carbon Monoxide (CO) in Blood or Carboxyhemoglobin (COHb) on Psychological Stress in Public Transport Drivers (City Transportation) (Case Study in Depok in 2019).....2431
Apri Yulda, Umar Fahmi Achmadi, Ririn Arminsih
448. The Measurement of Urinary Ammonium as an Indicator for Smoking Effect on Acid Base Balance2436
Ausama Abbas Faisal, Maher Ahmed Abed
449. Relationship between Serum Uric Acid and Lipid Profiles in Thai Adults.....2440
Chantra Tanunyutthawongse, Kitsarawut Khuancharee, Sivaporn Wannaiampikul
450. The Relationship of Intelligence and Health Perceptions.....2448
Chilyatiz Zahroh, Khamida, Rahayu Anggraini, Ah. Yusuf, I. Ketut Sudiana
451. Maturity Model and Safety Culture in Healthcare: A Systematic Review.....2452
Duta Liana, Kemal N. Siregar, Adang Bachtiar, Fatma Lestari
452. Photographic Description of Mother's Dental Anxiety based on Oral Health Literacy Level in Surabaya, Indonesia.....2457
Fidelia Kartikasari, Gilang R. Sabdho Wening, R. Darmawan Setijanto, Muhammad Faisal, Amalia Wimarizky, Dinna Fitria Greisy, Aisyah Marwah
453. Vertical Dimension of Rest (VDR) Analysis Using Photography Application2463
Haryo Mustiko Dipoyono, Gratia Trifena Susanto, Murti Indrastuti
454. The Correlation between Joint Sound Versus Temporomandibular Opening Index (TOI) on Cases of Maxillary and Mandibular Teeth Loss2469
Haryo Mustiko Dipoyono, Iwa Sutardjo Rus Sudarso, Evan Arif Raharjo
455. Influence of Quality of Nursing Work Life on Nurses' Turnover Intention: The Mediating Effect of Organizational Commitment2475
Hyoungshim Choi, Insook Kim, Yeongyi Yim, Seonae Won
456. A Preliminary Study: Troponin T and Reg3 β in Children with Left-to-Right Shunt Congenital Heart Disease with Heart Failure2481
I. Ketut Alit Utamayasa, Mahrus A. Rahman, Taufiq Hidayat, Rendi Aji Prihaningtyas
457. The Combination of SLC2A9 Gene (rs2280205 and rs6820230) and Major Metabolic Factors with Association to Gout in Thai Men; A Matched Case-Control Study2486
Kitsarawut Khuancharee, Chantra Tanunyutthawongse, Pongdech Sarakarn
458. Acute Infection Following Flood Disaster: An Example from Bojonegoro District, East Java, Indonesia .2492
Mondastri Korib Sudaryo, Besral, Meidy F. Prameswari, Helwiah Umniyati, Debarati Guha-Sapir

459. Family Income and Prepregnancy Weight Associated Inversely with Gestational Age and Birth Weight .2499
M.R. Begum, S.C. Biswas
460. Effectiveness of the Participatory Health Promotion Program for Improving Health Outcomes of Elderly with Non-Communicable Diseases in Municipalities, Thailand: An Experimental Study2505
Nittaya Pensirinapa, Theeravut Thammakul, Kanit Ngowsiri
461. Health Literacy, Occupational Health and Safety Factors and Quality of Life of Municipal Waste Collectors in the Northeast of Thailand.....2510
Nittaya Phosrikham, Wongsra Laohasiriwong, Amornrat Luenam, Keo Panha Soeung
462. Health Risk Assessment on Human Exposed of Nitrogen Dioxide in Adults Around Steel Industry2515
Redi Yudha Irianto, Agustin Kusumayati, Suyud
463. The Relationship of Nutritional Status and Gingivitis in Elementary School Children.....2521
Agung Sosiawan, Theresa Dian Krissanti, Retno Palupi, Titiek Berniyanti, Gilang Rasuna Sabdho Wening, Putrisa Lestari
464. Major Stunting Determinants in Infants: A Prevention Model2526
Teungku Nih Farisni, Yarmaliza, Fitriani, Dewi Susanna, Fitriah Reynaldi, Zakiyuddin, Safrizal S.A.
465. Association of Manganese Level in Drinking Water and Other Factors with Hypertension in the Around Landfill Population in Depok, Indonesia.....2533
Ukik Agustina, Ema Hermawati, Laila Fitria, Febri Hardiyanti, Septia Rini Rizki
466. The Influence of Probiotic *Lactobacillusreuteri* on Changes in Levels of Cytokines IL 23 Puerperal First Day on MUS Musculus Exposed to Bacteria *Staphylococcus aureus*2538
Umu Qonitun, Aris Puji Utami, Eva Silviana, Nurus Safaah, Novia Dwi Astuti
467. Analysis of Working Period and Working Time to Health Complaints of Fish Smoking Workers Bandarharjo, Kota Semarang, 2019.....2542
Luthfia Andayani, Suyud Warno Utomo, Haryoto Kusnoputro
468. Efforts to Improve the Health Status of Junior High School Students Through the Development of School Health Programs2547
Jayanti Dian Eka Sari, Diansanto Prayoga, Syifaul Lailiyah, Xindy Imey Pratiwi, Selviani Setyaning Dwiyanti
469. Particulate Matter 10 μm (PM_{10}) Exposure and Lung Function Disorder of Workers in Traditional Ceramic Industry Plered, Indonesia.....2553
Astrid Salome Evelina, Haryoto Kusnoputranto, Bambang Wispriyono
470. ICSI Pregnancy Outcomes Following Hysteroscopic Tubal Electrocoagulation Versus Laparoscopic Tubal Disconnection for Patients with Hydrosalpinges2560
Marwa Abdalla, Alaa Ebrashy, Akmal El-Mazny, Walid Saber, Mohamed Ali
471. Working Environment Dust to Disorders of Lung Function of Workers Textile Industry Spinning.....2567
Iwan Suryadi, Maria Paskanita Widjarnarti, Aditama Putra Nugraha
472. Urine Serotonin in Sleep Deprivation Children2572
Umamah, Irwanto, Darto Saharso

XXXVI

473. Assessing Demographic Distribution of Dengue Infections in Seremban District, Malaysia.....2578
Shahin Mia, A.C. Er, Rawshan Ara Begum, Joy Jacqueline Pereira, Ferdoushi Ahmed
474. The Contribution of Learned Helplessness to the Results of Some Evaluation Tests for the Athletes of the Talent Care Centers2585
Ali Hamad Sameer, Ali Sumoom Al-fartusie, Abbas Ali Shallal
475. Peer Support Education Reducing Pain Perception and Improving Blood Glucose Control of Diabetes Mellitus.....2591
Maria Diah Ciptaning Tyas, Tri Cahyo Sepdianto, Fitriana Kurniasari Solikhah, Ronal Surya Aditya
476. Sexist Language: Gender-Linked Expressions in Official Communications in the Academic Workplace .2596
Estrella F. Fajardo, Massuline Antonio D. Ligaya, Joung-Hyun Ham
477. Improving Body Balance and Reducing Risk of Falling in Elderly People by Providing Family Health Related Tasks.....2602
Rona Febriyona, Abdul Aziz AlimulHidayat, Nurhayati
478. Prevalence of Intestinal Parasites among Children in Khanaqin City East of Diyala/Iraq2607
Noora Dhyaaldain Abed
479. Effectiveness of Gail Model in Assessing the Risk of Developing Breast Cancer in Baghdad, Iraq2613
Zainab J. Al-jobawi, Besmah M. Ali, Abdulrahman I. Juda, Safra H. Alhusseini, Sabah J. Mohammed
480. Cues to Action to Utilization of Cervical Cancer Screening Services among Women of Reproductive age in Kediri, East Java, Indonesia.....2618
Eko Winarti, Rachmat Hargono, Sri Haryuni, Tri Ratnaningsih
481. Birth Lengthisa Dominant Risk Factor of Stunting among Children Aged 6-59 months in North Moyo Sub District, Sumbawa District West Nusa Tenggara, Indonesia2623
Ririn Akmal Sari, Ratu Ayu Dewi Sartika

The Increasing Obedience and Changes in Blood Pressure Through Family Empowerment Model in Elderly People with Hypertension

Risna Damayanti¹, Abdul Aziz Alimul Hidayat², Nurhayati³

¹Lecturer, Department of Nursing, University of Megarezky Makassar, Indonesia, ²Associate Professor, Department of Nursing, University of Muhammadiyah Surabaya, 60113, Indonesia, Jl. Sutorejo No. 59 Surabaya, (031) 3813096, ³Associate Professor, Department of Nursing, University of Muhammadiyah Jakarta, Indonesia

Abstract

Background: The implementation of program to handle hypertension requires support from all sides, especially family. Optimization of family empowerment depends on the model that serves as a reference for nursing services, assisting families and patients.

Purpose: This research aims to analyze the effect of family empowerment model on obedience and changes in blood pressure in elderly people with hypertension.

Method: This research used a pre-experimental design with a one group pretest-posttest design approach with 21 elderly people diagnosed with hypertension, selected by purposive sampling. The research instrument for the obedience used a diet obedience questionnaire of 19 questions using a Likert scale of as always = 4, often = 3, sometimes = 2, never = 1. The blood pressure used observation sheets and tensimeter.

Results: The results of the Paired T Test showed an increasing diet obedience after the intervention with P value = 0.007 ($p < 0.05$), while a decreasing in systolic blood pressure with P value = 0.005 ($p < 0.05$), and diastolic blood pressure with P value = 0.023 ($p < 0.05$). can be improved by family empowerment.

Keywords: *Elderly, Hypertension, Obedience, Blood Pressure, Family Empowerment.*

Introduction

The prevalence of hypertension globally, according to the World Health Organization (WHO) is around 22% for the population aged ≥ 18 in 2014, estimated to increase to 29.2% by 2025. The prevalence of national hypertension in 2013 is 28.1%, increases by 3.58% in 2018 (from 28.1% to 31.68%). In South Sulawesi the

number of hypertension sufferers in 2013 was 25.8% and increased by 8.3% in 2018 (from 25.8% to 34.15%)¹.

In general the treatment of hypertension can be divided to two approaches, namely pharmacological and non-pharmacological approaches. The efforts developed in the non-pharmacological approach to hypertension include lifestyle modification, weight loss, regular physical/exercise exercises, smoking cessation, increasing the fruit and vegetable intake, alcohol reduction, sodium intake control and potassium supplements².

The implementation of program to deal with hypertension requires support from all sides, especially the family role. The Ministry of Health has a program that sets the operational strategy for health development through Healthy Indonesia Program with the Family

Corresponding Author:

Abdul Aziz Alimul Hidayat

Ns., M.Kes., Dr., University of Muhammadiyah Surabaya, Jl. Sutorejo No. 59 Surabaya, 60113 Indonesia

e-mail: azizhidayat@um-surabaya.ac.id

Telp. +62 31 3811966, fax. +62 31 3813096

Approach (PIS-PK) to increase health promotion and community empowerment, in this case family empowerment³. Families are the smallest part of society which plays a role in improving the health of their families⁴.

Family empowerment is an effort to increase knowledge, awareness and desires of the family to improve health status. Optimization of family empowerment depends on a model that will serve as a reference for nursing services. A model will produce a positive impact if the model can be developed according to the needs of providers and users of health services, such as nurses, communities and families. The family empowerment model which is often used is health education, counseling, and assistance to families and patients⁵.

Health education is the provision of information to improve knowledge and abilities through learning techniques or instructions to influence human behavior⁵ and providing health education can help families in controlling blood pressure⁶. Assistance is giving help to raise awareness about the importance of health and problem solving, and assistance provided to families to prepare menus or foods for hypertensive diet.

For this reason, this research will analyze the effect of family empowerment model in increasing obedience and blood pressure improvement in hypertensive elderly patients.

Method

This research used a pre-experimental design with one group of pretest-posttest design. The research was conducted in March to May, 2019 in Parangbanoa Village, involving 21 respondents using purposive sampling with inclusion criteria: 1. families who have elderly people with hypertension with systolic blood pressure between 140-179 mmHg, diastolic 90-119

mmHg, 2. The age of elderly people were ≥ 60 years, 3. no taking antihypertensive medicine, and 4. willing to be a respondent.

This research used diet obedience questionnaires of 19 questions in Likert scale with answers 1 = never, 2 = sometimes, 3 = often, 4 = always and observation sheets for blood pressure measurements. The activities were conducted in the first week (pretest) and the eighth week (posttest). The intervention was conducted for 4 weeks. Data analysis to determine the effect of family empowerment model on obedience and changes in blood pressure were using paired T test with $P < 0.05$.

Results

Table 1: Distribution of Frequency Characteristics of Elderly People with Hypertension

Variable	Frequency	Percentage (%)
Age		
60-62	11	52,4
63-65	3	14,3
66-68	1	4,8
69-71	3	14,3
72-74	3	14,3
Gender		
Male	3	14,3
Female	18	85,7
Duration		
≤ 1 tahun	12	57,1
> 1 tahun	9	42,9
Family History		
No	8	38,1
Yes	13	61,9

Based on table 1, most of the respondents were 60-62 years old (52.4%) and most of them were women (85.7%). Based on the duration of suffering, most of them had hypertension ≤ 1 year (57.1%) and had a family history of hypertension (61.9%).

Table 2: Effects of the Family Empowerment Model on Obedience and Changes in Blood Pressure

Variable of Obedience	Pre Intervention		Post Intervention		P Value
	Mean	SD	Mean	SD	
Obedience	48,86	4,163	50,90	4,369	0,007
Variable of Blood Pressure					
Systolic Blood Pressure	151,43	9,500	144,29	12,479	0,005
Diastolic Blood Pressure	93,10	4,323	89,76	5,585	0,023

The results of the Paired T Test on obedience were obtained such as P value = 0.007 ($p < 0.05$), systolic blood pressure was obtained as P value = 0.005 ($p < 0.05$) and diastolic blood pressure was P = 0.023 ($p < 0.05$). The results showed that there was an influence of family empowerment models on obedience and changes in blood pressure in elderly people with hypertension.

Discussion

Research has shown an increasing diet obedience and changes in blood pressure after intervention in family empowerment models implementation due to the role and support of the family of the elderly people, including education and assistance for the implementation of a healthy lifestyle by improving diet, doing physical activity diligently, adequate rest and being able to manage stress.

Theoretically the food eaten affects the stability of blood pressure. Nutrient content such as fat and sodium have a close relationship with hypertension. The implementation of a regular diet can normalize hypertension, such as by reducing foods with high salt, fatty foods, eating high fiber foods and doing sports activities⁷.

Gusmira's research (2012) stated that treatment and diet are needed to control blood pressure, and patients need to understand that as much as hypertension cannot be cured, it can be controlled by changing lifestyle and obedience to diet (low diets salt, caffeine, saturated fat)⁸.

Family support is important to determine the beliefs, health values, treatment and care programs. Support from health personnel is also needed to increase the level of obedience⁹.

This is in line with the research conducted by Arista Novian (2013) which shows a relationship between hypertension diet obedience and family roles where the P value was (0.008) < of the alpha value (0.05) the family can be a support system for assistance¹⁰.

The results of Fitri's research, Dachriyanus (2016) stated that the family support has a very strong relationship with obedience and there is a unidirectional relationship; the higher the family support is the higher obedience will be¹¹.

Educational empowerment is provided to clients with a client-focused empowerment approach or collaborative care where health care providers and

patients make joint decisions¹². Family knowledge, both cognitive and behavioral in improving health status, overcoming health problems, and helping the recovery process, form family empowerment. The outcome expected is for the family to be independent and skilled in caring for the hypertensive family members.

The mechanism causing changes in the family, which has a positive effect on every family-focused treatment as well as suitable promotive actions with cultural status of the community, influences nursing actions and treatments developed in the family¹³.

The results of the research of Sri, Herman, and Mudatsir (2016) prove the influence of health education on family health tasks on hypertension diet obedience in the working area of Blang Mangat Health Center in Lhokseumawe City¹¹.

Meanwhile, Mery, Oktaviani and Patriani (2017) shows the influence of education with the theoretical approach of the Dorothy E. Johnson's behavioral system model towards changes in blood pressure in hypertensive patients with P value of systolic blood pressure: 0.001 and P value of diastolic = 0.007 (Solon, Putri, & Naing, 2018).

Heni and Supriyah (2019) proves the influence of family assistance in self-care for the blood pressure stability in hypertensive patients¹⁴. Based on the research of M. Isra et al (2017), respondents who have high family support tend to have a low degree of hypertension¹⁵.

Meanwhile the research of Novita, Asti and Mamat stated that there is an effectiveness in providing salt diet to the stability of elderly people's blood pressure with hypertension in Purwoyoso village in Semarang with P value of systolic blood pressure: 0.008 and P value of diastolic: 0,0001¹⁶.

Conclusion

Family empowerment is one of the interventions that empowers families in controlling hypertension. In this research there were significant differences before and after intervention of the family empowerment model implementation.

Recommendation: The family empowerment can be used as an intervention to control hypertension.

Relevance of Research: This research has highlighted

the problem of family empowerment where the families have not understood hypertension and its treatment well, and lack of attention, support and motivation to the elderly people regarding their condition, causing no improvement in blood pressure.

Acknowledgements: We gratefully acknowledge the support of the University Muhammadiyah of Jakarta

Ethical Clearance: Taken from Institutional Ethical committee.

Conflict of Interest: Nil

Source of Findings: Self

References

1. Kemenkes. Hasil utama riskesdas 2018. Jakarta: Kementerian Kesehatan RI; 2018.
2. LeMone P. Medical-Surgical Nursing: Critical Thinking in Patient Care: Pearson New International Edition: Pearson Education Limited; 2014.
3. Kemenkes. Pedoman umum program Indonesia Sehat dengan pendekatan keluarga. Jakarta: Kementerian Kesehatan Republik Indonesia; 2016.
4. Bowden VR, Friedman MM, Jones EG. Family nursing: Research theory, and practice: Prentice Hall; 2003.
5. Ferry Efendi M. Keperawatan Kesehatan Komunitas: Teori dan praktik dalam keperawatan: Ferry Efendi; 2009.
6. Putri R. Analisis efektivitas pemberian konseling dan pemasangan poster terhadap tingkat kepatuhan dan nilai tekanan darah pada pasien hipertensi di Puskesmas Bakti Jaya Kota Depok. Jakarta: Universitas Indonesia; 2012.
7. Julianti D, Nunung N, Uken S. Bebas hipertensi dengan terapi jus. Jakarta: Puspa Swara: Jakarta; 2005.
8. Gusmira S. Evaluasi Penggunaan Antihipertensi Konvensional dan Kombinasi Konvensional Bahan Alam pada Pasien Hipertensi di Puskesmas Wilayah Depok. Makara Kesehatan. 2012;16(2):77-83.
9. Purwanto H. Pengantar perilaku manusia untuk keperawatan. Jakarta: EGC; 1999.
10. Novian A. Faktor yang Berhubungan dengan Kepatuhan Diet Pasien Hipertensi (Studi Pada Pasien Rawat Jalan di Rumah Sakit Islam Sultan Agung Semarang Tahun 2013): Universitas Negeri Semarang; 2013.
11. Yeni F, Husna M, Dachriyanus D. Dukungan Keluarga Memengaruhi Kepatuhan Pasien Hipertensi. Jurnal Keperawatan Indoneisa. 2016;19(3):137-44.
12. Bodenheimer T, Lorig K, Holman H, Grumbach K. Patient self-management of chronic disease in primary care. *Jama*. 2002;288(19):2469-75.
13. Beam RJ, O'Brien RA, Neal M. Reflective practice enhances public health nurse implementation of nurse-family partnership. *Public Health Nursing*. 2010;27(2):131-9.
14. Praningsih S. Efektifitas Pendampingan Keluarga dalam Perawatan diri terhadap Kestabilan Tekanan Darah Penderita Hipertensi. *Journals of Ners Community*. 2019;10(1):53-66.
15. Bisnu MIKH, Kepel B, Mulyadi N. Hubungan Dukungan Keluarga dengan Derajat Hipertensi pada Pasien Hipertensi di Puskesmas Ranomuut Kota Manado. *Jurnal Keperawatan*. 2017;5(1).
16. Veronika N, Nuraeni A, Supriyono M. Efektifitas Pelaksanaan Pendampingan oleh Kader Dalam Pengaturan Diet Rendah Garam Terhadap Kestabilan Tekanan Darah Lansia Dengan Hipertensi di Kelurahan Purwoyoso Semarang. *Jurnal Ilmu Keperawatan dan Kebidanan*. 2017; 9(1).

Published, Printed and Owned : Dr. R.K. Sharma

Printed : Printpack Electrostat G-2, Eros Apartment, 56, Nehru Place, New Delhi-110019

Published at: Institute of Medico Legal Publications Pvt. Ltd., Logix Office Tower, Unit No. 1704, Logix City Centre Mall Sector- 32,
Noida - 201 301 (Uttar Pradesh) Editor : Dr. R.K. Sharma, Mobile: + 91 9971888542, Ph. No: +91 120- 429 4015