

Medico-Legal Update

An International Journal



www.medicolegalupdate.org

Medico-Legal Update

Editor-in Chief

Prof. (Dr) R K Sharma

Former Head, Department of Forensic Medicine & Toxicology All-India Institute of Medical Sciences, New Delhi-110029 E-mail: medicolegalupdate@gmail.com

ASSOCIATE EDITOR

- S.K. Dhattarwal (Professor)
 Forensic Medicine, PGIMS, Rohtak, Haryana
- Dr. Adarsh Kumar (Additional Professor)
 Forensic Medicine, AIIMS, New Delhi
- Dr. Vijaynath V (Associate Professor)
 Forensic Medicine, Vinayaka Mission Medical college, Tamil Nadu
- 4. Ms. Roma Khan, Forensic Sciences, INSAAF Mumbai
- Dr. Imran Sabri (Assistant Professor)
 Department of Bio-Medical Sciences. College of Medicine, King Faisal University, Saudi Arabia

INTERNATIONAL EDITORIAL ADVISORY BOARD

- B. N. Yadav (Professor)
 Forensic Medicine, BP Koirala Institute of Medical Sciences, Nepal
- Dr. Vasudeva Murthy Challakere Ramaswam (Senor Lecturer)
 Department of Pathology, International Medical University, Bukit Jalil, Kuala Lumpur. Malaysia
- Babak Mostafazadeh (Associate Professor)
 Department of Forensic Medicine & Toxicology, Shahid Beheshti University of Medical Sciences, Tehran-Iran
- Dr. Sarathchandra Kodikara (Lecturer)
 Forensic Medicine Department of Forensic Medicine, Faculty of Medicine, University of Peradeniya, Sri Lanka

NATIONAL EDITORIAL ADVISORY BOARD

- 1. Prof. N.K. Agarwal (Professor) Forensic Medicine, UCMS, Delhi
- 2. P.K. Chattopadhyay, (Professor) Forensic Sciences, Amity University, Noida
- ${\it 3.} \quad \textbf{Dalbir Singh} \ \textit{(Professor)} \ \text{Forensic Medicine, PGIMER, Chandigarh}$
- 4. Dr. Harish Pathak, Mumbai
- 5. **J. Gargi** (*Professor*) GGS Medical College, Faridkot
- P.C. Dikshit (Professor)
 Forensic Medicine, Jamia Hamdard Medical College, New Delhi
- Anil Mittal (Professor)
 Forensic Medicine, Vardhman Mahavir Medical college, New Delhi
- Balbir Kaur (Professor)
 Forensic Medicine, MM institute of Medical Sciences, Ambala
- Mukesh Yadav (Professor) Forensic Medicine, School of Medical Sciences and research. Greater Noida
- T.K.K. Naidu (Professor) Forensic Medicine, Prathima Institute of Medical Sciences Andhra Pradesh
- S. Das (Professor) Forensic Medicine, Himalayan Institute of Medical Sciences Dehradun
- Col Ravi Rautji, Forensic Medicine, Armed Forces Medical College, Pune
- Dr. Manish Nigam (Professor and Head)
 Department of Forensic Medicine & Toxicology Sri Aurobindo Institute of Medical Sciences, INDORE (M.P.)
- Dr. Shailesh Kudva (Principal)
 Rajasthan Dental College and Hospital Jaipur-302026
- Usmanganishah Makandar (Associate Professor) Anatomy, AIMS, Bhatinda
- Dr. Pratik Patel (Professor and Head) Forensic Medicine, Smt NHL Municipal Medical College Ahmedabad
- 17. **Basappa S. Hugar** (Associate Professor)
 Forensic Medicine, Ramaiah Medical College, Bangalore

NATIONAL EDITORIAL ADVISORY BOARD

- Dr. Vandana Mudda (Awati) (Associate Prof)
 Dept of FMT, M.R. Medical College, Gulbarga, Karnataka, India
- Dr. HarishKumar. N. (AssociateProfessor)
 Dept.of ForensicMedicine, Sri Siddhartha MedicalCollege, Tumkur
- 20. **Dr. Gowri Shankar** (Associate Professor) Forensic Medicine, SNMC, Bagalkot
- 21. **Dr. Manjunath Badni** (*Reader*) Dept of Oral pathology Maharana Pratap college of Dentistry and Research Centre, Gwalior
- Dr. L.Ananda Kumar (Associate Professor) Forensic Medicine, Rajiv Gandhi Institute of Medical Sciences, (RIMS), Kadapa
- Dr. Ramesh Nanaji Wasnik (Associate Professor and Head)
 Forensic Medicine Late B.R.K.M. Govt. Medical college, Jagdalpur
- Dr. Sachin Sinha (Reader), Dept. of Oral Pathology & Microbiology Daswani Dental College & Research Centre, Rajasthan
- Dr. Sasi Kanth, Asst. Professor, A.C.S.R Government Medical College, Nellore, Andhra Pradesh.

Medico Legal Update is a scientific journal which brings latest knowledge regarding changing medico legal scenario to its readers. The journal caters to specialties of Forensic Medicine, Forensic Science, DNA fingerprinting, Toxicology, Environmental hazards, Sexual Medicine etc. The journal has been assigned international standard serial number (ISSN) 0971-720X. The journal is registered with Registrar of Newspaper for India vide registration numbers 63757/96 under Press and Registration of Books act, 1867. The journal is also covered by EMBASE (Excerpta Medica Database) from 1997 and by INDEX COPERNICUS, POLAND. Medico legal update is a half yearly peer reviewed journal. The journal has also been assigned E-ISSN 0973-1283 (Electronic version). The first issue of the journal was published in 1996.

Website: www.medicolegalupdate.org

© All Rights reserved The views and opinions expressed are of the authors
and not of the Medico Legal Update. The Medico Legal Update does
not guarantee directly or indirectly the quality or efficacy of any products
or service featured in the advertisement in the journal, which are purely
commercial.

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)



Medico-Legal Update

CONTENTS	
COLLECTIO	

Volume 20, Number 1

January-March 2020

~				
('	on	TA.	nto	3
\mathbf{v}	α	··	\mathbf{u}	Э.

1.	An Autopsy Study of Cranio-Cerebral Injuries Due to Road Traffic Accidents	1
2.	Estimation of Age from Shoulder Joint by Radiographic Assessment of Epiphyseal Fusion of Related Bones in Population of Chhattisgarh: A Cross Sectional Study	7
3. 4.	Original Research Article	
5.	Manufacturers and Endorsers Liability: Shifting the Onus Approach	18
6.	Crossword Puzzle: An Innovative Assessment Tool to Improve Learning of Students in Forensic Medic Harish Kumar Agarwal, Aparna Singhal, Arvind Kumar Yadav	ine23
7.	A Study to Assess the Patients Compliance to Medications among Hypertension Patients at Selected Areas in Kanchipuram District Tamilnadu	28
8.	Restrictions Imposed by Human Biology in Achievement of Gender Justice as Human Rights	31
9.	Knowledge & Perception Of Medical Students Towards The LGBT (Lesbian, Gay, Bisexual & Transgender) Patients & Their Rights: A Cross Sectional Study	36
10.	Causes and Factors in Road Traffic Accidents at a Tertiary Care Center of Western Uttar Pradesh	43
11.	Toxicological Trends of Poisoning in a Tertiary Care Center of Western Uttar Pradesh	47
12.	A Study on the Cause of Death Due to Burn Cases and Histopathological Changes in North Indian Setting-A Cross Sectional Study Pradeep Kumar Yadav, Richa Choudhury, Anoop Kumar Verma, Mousami Singh, Raja Rupani, Sangeeta Kumari, Rajiv Ratan Singh	51

13.	Providers in a Therapeutic Setting, Mangaluru Sonia Sequeira, Precilla D'Silva	55
14.	Querying the Dataset from the Developed Ontology for Swineflu Disease	61
15.	Constitutionality of Attempt to Commit Suicide- Unlocking The Controversy"	67
16.	Perspective on the Immorality of Honor Killings – A Review Article	71
17.	International Humanitarian Approach on 'Identity Crisis' of LGBTQ: A Global Perspective	76
18. 19.	Direction of Environmental Virtue an Epilogue: A Critical Analysis of 19 th Century Case Laws	
20.	A Post-mortem Observational Study of Suspicious Deaths in Married Females Aged 30 Years or Less . J. P. Kachhadia, J. A. Tanna, V. R. Patil	90
21.	Study of Various Osteometric Parameters of Human Mandible in Adult and Elderly Age Groups	95
22.	Estimation of Stature from Footprint Length	100
23.24.	Assessment of Knowledge and Attitude of Adolescents Regarding Blood and Organ Donation in Selected Rural Areas of Shimla, Himachal Pradesh, India Non-Invasive Method of Measuring Blood Sugar in the Early Stage and Diagnose the Result Using Discrete Wavelet Transform	
	N.D Bobby, N.Prabhakaran, J.Thameema Begum, M.MuniReddy	110
25.	Knowledge about Legal Aspects of Medical Negligence in India among Dentists— A Questionnaire Survey P.K.Uma, Pratibha Ramani, Herald. J. Sherlin, Gheena.S, Gifrina Jayaraj, K.R. Don, Archana Santhan	
26.	Nasal Height as a Parameter for Stature Estimation & Sex Differentiation in Dehradun Region	120
27.	Study oof Suspicious Deaths in Middle Aged Married Females	126
28.	Quality of Life among Patients with Hypertension at Selected Tertiary Hospital In Kelambakkam, Kanchipuram District, Tamil Nadu, India	131
29.	Effectiveness of Information Booklet on Knowledge, Practices and Willingness Regarding Recycling of Solid Household Waste Management among Residents	134

30.	A Study "To Assess the Level of Knowledge on Swine Flu Among Adults in Selected Area at Poonchery, Kanchipuram District, Tamilnadu	139
31.	The Effectiveness of Video Assisted Teaching on Fire Safety among School Children at Selected School, Kanchipuram District, Tamilnadu	142
32.	Lilliputian Neglected Happenings Call For Snafu: "Theory of Broken Windows"	145
33.	Self Determination and Indigenous People: The Fight For 'Commons'	148
34.	A Descriptive Study to Assess the Knowledge on Fast Food Eating among Adults in Selected Urban Community Kanchipuram District Tamil Nadu	153
35.	A Three Year Study of Skull Fracture Patterns in Fatal Road Traffic Accidents in a Tertiary Care Hospital Mortuary in Imphal From 2015-2018 Th. Meera Devi, Memchoubi Ph., Haobijam Rita Devi	156
36.	Intracranial Meningioma Aggressivity Image and Level of Malignancy in Head Magnetic Resonance Imaging (MRI)	162
37.	Practice and Perceived Barriers among Health Care Workers to Control Infection in Dialysis Unit Jackline Prathibha, Daisy Josphine Lobo, Shalini G Nayak, Vandana KE	169
38.	Profile of Medicolegal Autopsy Cases at Tertiary Care Centre in Belagavi, Karnataka. A One Year Retrospective Study	174
39.	Accuracy of Demerjian Age Estimation Method in South India Kadapa [A.P] Population-A Cross Sectional Study	179
40.	Iatrogenic Factors and Oral Health	184
41.	Medical Malpractice in India: A Critical Analysis of Liability and Defense Framework	191
42.	The Prospect of Environmental Law to Achieve Healthy Environmental Development in Indonesia Absori Absori, Sigit Sapto Nugroho, Anik Tri Haryani, Sarjiyati Sarjiyati, Arief Budiono, Heru Santoso Wahito Nugroho Rangga Jayanuarto	195
43.	Measurement of Lipid Profile in Fasting Persons	200
44.	Legal Protection of Medical Records for Hospital Patients	205

45.	Prevalence of Coronary Artery disease in Patients undergoing Non Coronary Cardiac Surgery: A Single Center Study	209
46.	Incidence of Early Complications in Laparoscopic Total Thyroidectomy Vs Open Thyroidectomy Using Breast Approach in Simple Multinodular Goiter	214
47.	Molecular Detection of Mutations in mtCOX1 Gene in Iraqi Patients with Aortic and Mitral Valve Diseases Ali Jumaa Al-Hussona, Faizah A.W. Ahmed	219
48.	Rubik Play Therapy Influence on the Level of Anxiety in Children Preoperative	225
49.	The Surgical Outcome of Distal Pancreatectomy for Distal Pancreatic Tumors	230
50.	Condition of Houses with Smoking Habits in Patients with Pulmonary Tuberculosis	236
51.	Diode Laser & Conventional Surgery Treatment, A Comparative Study in Anal Diseases	241
52.	Hypertension Control in Diabetic Patients	247
53.	The importance of Post-Mortem Computed Tomography (PMCT) as a Complementary Diagnostic Technique to Traditional Autopsy in a Case of Asphyxia Related-Death	253
54.55.	The Effect of Soot Particulate towards MAPK Expression in the Mechanism of Cardiovascular System Disruption	258
	Communities in Indonesia	264
56.	Evaluation the Relation between School Bag Weight and Backache among Primary School Pupils in Tikrit City	269
57.	Helicobacter Pylori Can Cause Vitamin B12 Deficiency	275
58.	Detection of Parvovirus B19 Infection in Thalasemic Patients in Tikrit City, Serological Study Hala Mohamed Majeed	278
59.	Evaluation of Titanium di oxide Nano-fillers Incorporation on Mechanical Properties of Heat Cured Acrylic Resin	283

60.	The effectiveness of Garcinia Mangostana L. Rind extract in Reducing Total Cholesterol Levels in Hypercholesterolemic Male White Mice	289
61.	Role of MnSOD Val16Ala Gene Polymorphism in Changing the Level of Serum Metals in Workers Exposed to Heavy Metals in Al-Nasiriyah City	295
62.	Seroprevalence of Hepatitis A Virus (HAV) in Mosul City	301
63.	Prostate Health Index in a sample of Iraqi patients with Prostate Cancer and Benign Prostatic Hyperplasia	306
64.	The Effect of Buzz Group Modification Method on Exclusive Breastfeeding Against Self Efficacy in Pregnant Women: A Quasi Experiment	313
65.	The Discovery of Comorbidity Deviation in the Cervical Cancer Patients Treated by the <i>Intravenous Pyelography</i> Examination and Clinical Examination (Based on <i>Federation International de Gyneclogie et d'Obstetrique</i>)	319
66.	Analysis of Breastfeeding Factors: The Sunrise Model Approach	325
67.	Comparative Study to Evaluate the Antimicrobial Effect of MTAD, 17% EDTA, and 3% NaOCl-Against <i>Enterococcus faecalis</i> in Primary Teeth for Root Canals Therapy (in Vitro Study)	331
68.	Iron Oxide Nanoparticles Reduced Biofilm Formation and Detection of <i>lmb Genes</i> in <i>Streptococcus agalactiae</i> Isolated From Patients with Diabetes Mellitus	337
69.	Correlation of Nitric Oxide (NO) Sputum Level and Lung Physiology of Indoor Parking Attendant Tati Sudiarti, Winariani	343
70.	Indications and Adverse Outcomes of Emergency Lower Segment Cesarean Section at 1 St and 2 Nd Stages of Labor at Al-Elwiya Maternity Teaching Hospital	349
71.	The Determinants of the Occupational Diseases in Al-Nasiriyah Province at 2018	355
72.	Model of Women Participation in Supporting Government Policies Reducing Neonatal Mortality in Kupang District	362
73.	Precision of 3D MSCT Scan Diagnostes on Maxillofacial Trauma Compared to Stabilization and Instrumentation Operation Results	367

74.	Breast Cancer Risk Trends of Iraqi Women. Minen Al-Kafajy	374
75.	Colorectal Cancer in Nineveh: Five Years Survival Rate	378
76.	Significance of Fingerprints in A Brutal Travel Bag Murder- A Case Report	384
77.	Detect the Infection with Rubella Virus and Toxoplasmosis in Pregnancy Causes Suffering from Early Abortion by Using Real Time PCR	388
78.	Flexible Ureterorenoscopy Versus Extracorporeal Shock Wave Lithotripsy for Treatment of Lower Pole Renal Stones	394
79.	The Effect of Glutathione versus Co-Enzyme Q10 on Male Infertility Original Study	
80.	Incidence and Variations of Aberrant Renal Arteries in Kidney Donors Cases	406
81.	Evaluation of the Level of CXCL10 in Patients with Parainfluenza Virus Type III (HPIV3)	413
82.	Association between the Characteristics of Pre-Surgery Vascular Ultrasonography and the Successful Arterio-Venous Fistula Shunt Surgery as Hemodialysis Access to Patients with Kidney Disease Stage Nurwanto, Prijambodo, Tri Wulan handarini, Windhu Purnomo	7.420
83.	Prevalence of Childhood Disability in Basrah City Using the Ten Questions Too	426
84.	Expression of e-NOS in Human Placentas of Idiopathic Intra Uterine Growth Restriction at Term	431
85.	Characteristics of Multidrug Resistant Tuberculosis in Minia, Egypt	437
86.	Prevalence of Uncorrected Refractive Errors Among the Internally Displaced Schoolchildren in Iraq Rafea Allawi Fayyadh, Noor Hussain Abady	444
87.	The Influence of Additional Food Hotong Porridge with Moringa Leaves Mixture on Improvement Nutritional Status of Children Nutritional Children	450
88.	The Stiffness Comparison of Four-Screw versus Six-Screw Short Segment Pedicle Posterior Stabilization Instrumentation in Cyclic Axial Compression	456
89.	Correlation of Aggressivity Papilloma Recurrent Respiratory Tract With Human Papillomavirus Types 6 And 11	462

90.	Investigation of IL-17F (rs763780) gene Polymorphisms in cases with Iraqi renal failure patients	468
91.	A Descriptive Study to Assess the Problem Faced by the Adolecents of Alcoholic Parent	474
92.	Demographic, Clinical and Hormonal Characteristics as Predicting Factors Affecting the Outcome of Laparoscopic Ovarian Drilling in Women with Poly Cystic Ovary Syndrome	477
	References	
93.	Stress Perception and Stress Response against Internet Psychological Addiction (IPA) on Adolescents (Psychoneuroimmunology Approach)	485
94.	The Prevalence of Sperm Parameters for Infertile Males in Thi-Qar City	491
95.	Awareness of Medico-Legal Issues among Medical College Health Professionals	496
96.	The Law and Tourism: The Policy of Health Service for Tourists in Lombok Island	501
97.	Effect of Antenatal Exercise Teaching Program on Neonatal Outcomes During Delivery in Erbil, Iraq Warda Hassan Abdullah, Badia Mohammed Najib	506
98.	Study of Dyslipidemia in Iraqi Hypertension Patients in Tikrit City	512
99.	Isolating Some Pathogenic Bacteria from Packed Milk and Detecting of Formalin in its Components Zainab Alag Hassan, Ali Aboud Shareef, Majid Ahmed Kadhim, Abdulameer Abdullah Al-Mussawi	518
100.	Screening Study for Some Strains of E. Coli Collected from Five regions in Kurdistan-Iraq for its Sensitivity, Resistance and MDR against Thirteen Antibiotics	522
101.	The Role of Silver (Ag) Nanoparticles synthesis by <i>Penicillium spp</i> against the Toxicity of <i>Echinococcus Granulosus</i> in Adult Albino Male Rats	528
102.	Characteristics of Lower Back Pain in Pregnant Ladies in Thiqar-Iraq	534
103.	Thyroid Dysfunction in Iraqi Patients with Acromegaly	537
104.	Simulation of poly (ADP-ribose) polymerase (PARP) Enzyme with BAI compound in the for Thyroid cells	545

VIII

105.	Advantage of Application of Topical Hyaluronic Acid in Reducing Post Tonsillectomy Pain; Cross Sectional Comparative Study	551
	Ahmed Kareem Shiaan Al-Baidhani, Muthanna Saleem Abdulameer	
106.	Atherogenic Index of Plasma among Type2 Diabetic Patients Cross-Sectional Study In Iraq	556
107.	The relation between Serum Vitamin C and D, Calcium Intake With Obese Type 2 Diabetic Patients Yasamin Abdul - amer Kadhum; Shaimaa D. Salman, Sabah Abdel- Hameid Abdel- Rahman, Najat Sabah A. Hameid	561
108.	Assessment of Anti-Mullerian Hormone and Anti Ovarian Antibody in the Sera of Patients with Polycystic Ovarian Syndrome in AL-Najaf Al-Ashraf Province	566
109.	Cervical Spinal Stenosis and Risk of Pulmonary Dysfunction: Case Control Study	575
110.	Molecular Study of spy1258 gene in Streptococcus Pyogenes Isolated from Pharyngitis Patients in Fallujah City	581
	Nada Zaidan Khalaf, Laith Moslih Najeeb, Asraa Adnan Abdul-Jalil	
111.	Design in line LMA-10 Photonic Crystal Fiber MZI for Detection and investigation of Beta Thalassemia Layla M. Alameri, Tahreer S. Mansour, Fareed F. Rashid, Sara J. Belal	587
112.	The effect of oral magnesium supplements on lipid profile and oxidative stress in adult albino female rats	592
	Khder Najem Abdulla Muneef S. Ahmed, Saleh Mohammed R	
113.	Evaluation of Amateur and Professional Tattoo Removal by the Q Switched Nd:YAG Laser	596
114.	Serum Levels of Novel Biochemical Marker (Irisin) in Relation to the Duration of Type 2 Diabetes & in Cases of Type 2 diabetes with Coronary Artery Disease in Iraqi Patients Aged (40- 60 year)	
115.	Study the Effect of Temperature Variable on the Patient with Jaundice Stay Period inside the Incubator . Husam Yahya Naser, Auns Q. Al-Neami, Yasser Ibrahim	609
116.	The Role of Global Longitudinal Strain in Early Detection of Doxorubicin Induced Cardiotoxicity in Breast Cancer Patients	614
	Wisam Abbas Hasan, Shokry faaz Al-saad, Hassan Salim Aljumaily	
117.	Personal Hygiene and Safety among governmental Hospitals Nurses Staff in Mosul City	620
118.	Molecular Detection for Nosocomial <i>Pseudomonas aeruginosa</i> and its Relationship with multidrug Resistance, Isolated from Hospitals Environment.	627
	Wathiq Abbas Hatite Al-Daraghi, Mohammed Sattar Abdulkadhim Al-Badrwi	
119.	Knowledge Assessment of Working Women Regarding Breast Cancer / Control and Prevention in Kirkuk Technical Institute	633

120.	Colorectal Cancer in Nineveh: Five Years Survival Rate Moayad Aziz Alabdaly	. 640
121.	The Effect of Esomeprazole on Cell Line Human Cervical Cancer	. 646
122.	Evaluation of Salusin β in Patients with Prediabetes and Type 2 Diabetes Mellitus	. 653
123.	Vitamin D and its Association with the Severity and / or the Control of Asthma among Adult Iraqi Asthmatics Haider Abdulhameed Alqaraghuli, Hashim Mahdi Hashim,	. 657
124.	Determination <i>Enterococcus faecalis</i> in Asymptomatic Urinary Tract Infection Associated with Diabetes Type 2 Patients in Suwayrah General Hospital-Iraq	. 663
125.	Oral Desmopressin as an Add-on Therapy for Men with Benign Prostate Hyperplasia they Suffering from Persistent Nocturia	. 669
126.	The Practicing and Attitude of Some Medical Students at Al-Nahrain College of Medicine Towards Cosmetic Rhinoplasty	. 674
127.	The Level of Serum Progesterone on the day of HCG Administration in Assisted Reproduction Cycles Adnan A.H. Albdairi, Hanan Khudheir Hussein	. 679
128.	Protective Role of Quercetin plus Vitamin C on Infection of Rats with <i>Klebsiella pneumonia</i> e and <i>Pseudomonas aeruginosa</i> Shaimaa Khazaal Waad, Wurood M. Al-Silaykhee, Hekmet B. Alhmadi, Aiad Gaber Arean	. 685
129.	Study The Role of Selenium in The P-Selectin and E-Cadherin Serum Levels in Women with Preeclampsia	. 690
130.	Histological Sections of Pancreas and Serum Biochemical Changes in Rats after <i>Dexamethasone</i> and Zinc Oxide Nanoparticles Injection	. 696
131.	Study the Role of Trichomoniasis in In Vitro Fertilization (IVF) Failure	. 702
132.	Unexpected Adverse Medical & Surgical Health Conditions in Neonates after Elective Cesarean Sections within the Context of the Influence of Local Socidemographic Factors in Babylon	. 708
133.	Isolation of MRSA from Drinking water Supplies in Al-Anbar Province, Iraq Shirin Yasin Bdewi, Mohammad Hamid Kareem, Mohammed Mosleh Shwaish, Mustafa Salah Ha	
134.	The Predictive Value of Red Cell Distribution (RDW) in Patients with Type 1 and Type 2 Diabetes Mellitus Huda Jabbar Dibby, Radhi Farhod Shlash	. 719

135.	Histopathological Changes Associated with Cutaneous Leishmaniasis in Patients with Baghdad Boil/ South of Iraq	724
136.	Serum Anti-Mullerian Hormone Concentration and Function of The Pituitary-Gonadal Axis in Iraqi Patients with Chronic Kidney Disease	729
137.	Infection Control Measures for Nurses Staff Concerning with Hepatitis B and C at Hemodialysis Unit in Hilla Hospitals	735
138.		741
139.	Impact of Caring Child with Diabetes Mellitus Type1 upon Mothers at Specialized Center for Endocrinology and Diabetes in Baghdad City	748
140.	Measures Self-Esteem among Undergraduate Nursing Students Safi Alzeyadi, Saja H. Mohammed	756
141.	Patterns of Haemoglobinopathies Diagnosed by High Performance Liquid Chromatography in Karbala Population and Correlations between Different Hematological Parameters	761
142.	Risk Factors of Acute Otitis Media among Infants Children in Kerbala Pediatric Teaching Hospital: A Case-Control Study Hassan Abdullah Athbi , Haider Nawaf Abed-Ali	768
143.	The impact of L-carnitine Supplement on Semen Variables and the Levels of Sexual Hormones (Serum LH, FSH, Testosterone, and Inhibin) in Males with Infertility	774
144.	Assessment of the Understanding of Medical Ethics Subject among Anbar Medical Group Students Waleed AT Al-Ani, Ahmed K. Al-Delaimy	779
145.	Isolation and Identification of Facultative Anaerobic Bacteria from Feces of Pet Dogs	785
146.	Molecular characterization of Eae and Stx_s genes for $\it E.~coli$ O157:H7 isolates from Calves	790
147.	Estimation of Serum Cystatin-C as early marker of Kidney Dysfunction in correlation with Serum Ferritin among β- Thalassemia Major Patients	794

148.	Comparative Assessment of Patients' Satisfaction in Secondary and Tertiary Outpatients of Marjan Medical City in Babil Across Sectional Study	800
149.	High Levels of Tumor Necrosis Factor-Alpha and Interferon-Gamma in Patients with Gingival Recession	806
150.	Efficiency of Aspergillus Species to Produce the Lipase Enzyme from Various Types of Oil Seeds Thakra Ahmed Hamada ⁰ , Raghad Saad Abdulkreem ⁰ , Hadeel Mizher Younus ⁰	811
151.	Seroepidemiology of <i>Toxoplasma gondii</i> Infection in Drivers Involved in Road Traffic Accidents in Baghdad City	816
152.	Therapeutic Evaluation of the Partial Movement of the Center of the Nerve Bundle	822
153.	Investigating the Level Of Vitamin E, C and Superoxide Dismutase in Patients with Allergic Asthma and Allergic Asthma with Helminths Infection	826
154.	The Role of Cytomegalovirus (CMV) and Vitamin D in Multiple Sclerosis (MS)	833
155.	Potential Factors Associated with Epilepsy among Epileptic Patients Attending Middle Euphrates Neurosciences Center - Al-Najaf City	839
156.	Acute Infective Bloody Diarrhea in Children Below Five Years Admitted to Children Welfare Hospital in Medical City - Baghdad During 2015	843
157.	Comparison between Hypertensive and Non-Hypertensive Individuals in the Value of Response to Salt Administration	849
158.	Effect of Lactic Threshold Exercises using us Ginseng in the Development of Some Functional Variables of the Lungs and Lactic Tolerance and the Performance of Complex Offensive Skills in Basketball Youth	853
159.	Preoperative Anxiety and Fears among Adult Surgical Patients in Baghdad Teaching Hospital, Iraq Kawther Salman Dawood	860
160.	The Prevalence of Parasitic Infection in Domestic Chicken: A Review	866
161.	Nutritional Status of Primary School Children in Babylon Governorate	. 1026

162.	Prevalence Rate of Depression among Ischemic Heart Diseases Patients in Al-Diwaneya Province / Ira Abdul Zahra Mohammed Alkafaji , Assel Hamid Risun	q1033
163.	Sputtering Technique	. 1039
	Hassan Jawad Farhan, Raghdaa Kareem Jassim, L.Thair	
164.	Evaluation of the Effect of Endoscopic Sinus Surgery with Medialization of Middle Turbinate	. 1045
165.	Determination Knowledge of Nurses' Concerning Measurement of Blood Pressure in Emergency Department at Al –Hussein Teaching Hospital in Al-Nasiriya City Amer Muhasin Naser, Qassim Jawell Odah Abed	. 1051
166.	Thermal Effects of Laser Assisted Endodontic Treatment on The External Root Surface of Deciduous Teeth (in <i>vitro</i> study)	. 1056
	Husam Turki Abbas, Hasanain Ibrahim Khaleel, Inam Oleiwi Murad, Ali Imad Al-Khassaki, Ammar Saleh Alalawi	
167.	Effect of Some Alcoholic Extracts in Reducing the Fat Content of the Liver Tissue in Rat	. 1061
168.	Knowledge, Attitude and Practice of Mothers to Neonatal Jaundice	. 1068
169.	Measurements of Horizontal condylar inclination by using Cadiax compactII in patients with TMJ clicking before and after different treatments modalities	. 1074
170.	DCGAN for Handling Imbalanced Malaria Dataset based on Over-Sampling Technique and using CNI Liqua M.Shoohi, Jamila H.Saud	N1082
171.	Seroprevelance of Toxoplasmosis Gondii Infection among Pregnant Women in Karbala Governorate 2014-2017	. 1089
172.	Fasting Versus Non-Fasting in Assessing Lipid Profile and Complete Blood Picture	. 1094
173.	Zinc Deficiency is Associated with Meprin a in Iraqi Patients with Crohn's Disease	. 1100
174.	Knowledge Attitudes and Barriers of Undergraduate Medical StudentsTowards Research in University of Babylon	. 1106
	Nadia Hussein Sahib, Hasan Alwan Baiee, Hadi Mohammad Ali Al mosawi, Zaid Amjed Al-husseini	
175.	Macrophage Migration Inhibitory Factor (MIF) Gene Polymorphism of Urothelial Carcinoma Patients in Iraq	. 1113
	Ishraq Abdul Ameer Salih	
176.	Study Impact of Hyperuricemia on the Occurrence of Atrial Fibrillation in Patients Admitted to CCU in Al-Diwaniyah Teaching Hospital	. 1117

177.	Quality of Life of Parents Having Cancer and Non-cancer Children: A Comparative Study	1122
178.	Sleep habits and Physiological Penal Gland Calcification (A Magnified Topographical Evolution Study Sattar R. AL-Esawi, Ashwan Abdulzahra Hashim, Zhraa Ayad Jabber, Riyadh W. AL-Esawi)1127
179.	Investigation of Microbial and Mineral Contamination of Imported Meat	1134
180.	The Distribution of Hepatitis C Virus Genotypes, Viral Load and Antibody Titer among Iraqi Chronic Hepatitis Patients	
181.	In Vitro Cytotoxicity of Total Alkaloid Extract from Peganum Harmala L. Seeds	1146
182.	Psychological Factor Affecting on Performance Thinking among the Pupils: Mentally or Spiritually Concerned with the Aspects in Students' Acquisition	1151
183.	Determination of the Critical Care Nurses Knowledge Toward Enteral Tube Feeding in AL-Hilla Teaching Hospitals (Interventional study)	1156
184.	Comparison between hypertensive and non-hypertensive individuals in the value of response to salt administration	1161
185.	Molecular Detection of Pathogenic <i>Entamoeba histolytica</i> based on Amoebapore C Gene in Fecal Samples of Camels from Babylon Province, Iraq	1166
186.	The Role of Hyperglycemia and Coexisting Hypertension in The Development of Diabetic Nephropathy in Type II Diabetes Mellitus	1169
187.	Risk Factors for Congenital Anomalies in Neonatal Intensive Care Unit in Baghdad City	1176
188.	Genetic Polymorphisms of Catalase Enzyme with Hypertension Patients in Babylon Governorate Hussam Abbas Dawood , Farah A. Al-marzook , Rabab Omran	1183
189.	Comparison Study of Major Thalassemia, Thalassemia Intermedia of Iraqi Patients and Control Groups for Effectiveness of Liver Enzymes	1189
190.	Prevalence of stress and coping behaviors among medical students at University of AL-Qadisiyah Mohammed AL-Zobaidy, Adyan Mostafa, Zahraa Hussien, Mariem Humed Redah, Tagreed Adnan, Haneen Mohammed	1193
191.	Assessment of Self-Esteem among Patients with Major Depressive Disorder in Sulaimani City	1199

192.	Evaluation of an Education Program for Elementary School Teachers Regarding Post-Traumatic Stress Disorder among Pupils in Mosul City	1206
193.	Histological Changes in Liver Tissue Resulting from Hydatid Cyst Infection: Comparison between Sheep and Cattle in Iraq	1213
194.	The Effect of Special Exercises by Using Training Methods to Assist in the Development of Some Motor Abilities and Handstand Skill of Still Rings for Young People	1219
195.	Psychological Analysis of Jenang Kutei Judges in Delivering a Verdict of Matai Bilai and <i>Cuci Kampong</i> (Purification Ritual) in <i>Rejang Lebong</i> Regency, Bengkulu Province, Indonesia	1225
196.	Mechanism of Family-coping in Treating Patient with Schizophrenia Viewed from Factors that Affected it at Public Health Center of Balowerti, Kediri	1230
197.	Effectiveness of Stress-Adaptation and Cognitive Behavior (SACB) Model for Independent Health Recovery for Clients with Coronary Heart Disease in the Community	1236
198.	The Influence of Massage Therapy on Children Body Temperature which Fever	1243
199.	Celiac Disease in Children with Short Stature (Incidence and Morphometric Study)	1249
200.	Association of Periventricular Edema Thickness and Optical Perineal Thickness in Hydrocephalus Non Communications by Magnetic Resonance Imaging Examination	1256
201.	Outcome of Open Intraperitoneal Dual Mesh Versus on–Lay Mesh for Incisional Hernia Repair	1261
202.	Teachers' Knowledge Regarding Attention-Deficit Hyperactivity Disorder between Pupils at Elementary Schools in Mosul City	1267
203.	Prevalence of Childhood Disability in Basrah City Using the Ten Questions Too	1273
204.	Antibacterial Properties of New Cement Based Capping Material Prepared from Egg Shell and Biopolymer (Chitosan)	1278
205.	Bow tie Model of Palliative Care as an Early Approach to Providing care for Patients with Heart Failur Hossein Jafarizadeh, Yaser Moradi, Alireza Rahmani, Amir Mohammad Amini	re1285
206.	Community Acquired Pneumonia; Chest X-Ray Findings in Three Different Times	1289

207.	Flexible Ureterorenoscopy Versus Extracorporeal Shock Wave Lithotripsy for Treatment of Lower Pole Renal Stones	1296
208.	Expression of e-NOS in human placentas of idiopathic Intra Uterine Growth Restriction at term	1302
209.	Demographic, Clinical and Hormonal Characteristics as Predicting Factors Affecting the Outcome of Laparoscopic Ovarian Drilling in Women with Poly Cystic Ovary Syndrome	1308
210.	Characteristics of Multidrug Resistant Tuberculosis in Minia, Egypt	1316
211.	Variation of Alkalinephosphatase and Transaminases Levels in Different Trimesters of Pregnancy Iraqi Women Tariq Hafdhi Al-khayat and Rawaa Muayad Al-Quzweny	1323
212.	Based Assistance Continuum of Care Can Increase Family Independence in Overcoming Health Problems Pregnant-Women	. 1329
213.	Overweight and Obesity Associated Factors among High School Students: A Cross Sectional Study in Erbil	1336
214.	The Influence of Disaster Counseling with Animation Video on Preparednes Students in Elementary School in Palu Imtihanah Amri, Ansariadi, Ridwan Amiruddin, Sukri Palutturi, Anwar Mallongi, Rosmala Nur, Nur Endang Sari	1342
215.	The Influence of Breathing Ball Technique on Length of Labor in Phase I Active in Independent Practice, Midwifery Sriwati	
216.	Cardiac Emergency Prevention Through Personal and Environmental Factors	
217.	Investigation of <i>cpa</i> . and <i>zpx</i> . Genes in <i>Cronobacter sakazakii</i> Isolation from Clinical Specimens in Thi-Qar Province and	1358
218.	Comparison of Hemorrhoidectomy by Ligasure with Conventional Milligan Morgan's Hemorrhoidectomy	1364
219.	Women's Reactions and Health Disorders Caused by Abuse During the Pregnancy-Postpartum Period Rosmala Nur, Siti Ika Fitrasyah, Anwar Mallongi	1369
220.	The Culture and Age of First Marriage on Female Teenagers in West Marawola	1375

221.	Mother's Behavior in Pregnancy-Puerperal Treatments and Reproductive Health Disorders	1381
222.	The Influence of Wedge Sea Hare (Dolabellaauricularia) Extract and Papaya Juice on Hemoglobin (Hb) and Feritin Levels of Mice Strain (Balb / C) with Anemia	1387
223.	The Relation between Psychological Empowerment and Job Satisfaction among Nurses	1393
224.	Estimation the Level of Follicular Fluid Follistatin in Women Undergoing Intracytoplasmic Sperm Injection	1400
225.	Serum α-Klotho Level in the Patients Subjected to Hemodialysis in Association with Lipid Profile Hibah Hasan Ibrahim, Mutaz Sabah Ahmeid, NihadKhalawe Tektook, Hashim Abdulsattar Jabar	1406
226.	Molecular detection of some antibiotic resistant genes of bacteria isolated from bloodstream infections of hemodialysis patients	1413
227.	Assessment of Butchers Attitudes and Practices Toward Food Safetyin Thi-Qar governorate in Iraq Sameeha Naser Abed, Zahraa Zuhir	1419
228.	Nutritional Status for Patients with Hypertension in Hemodialysis Units at Baghdad Teaching Hospital Shaymaa M. Hussein	1426
229.	Relation of Epstein Barr virus with Interleukin-6 Level among Women with Breast Cancer in Ramadi City	. 1433
230.	Assessment of Nutritional Status of Under Five Years Children in Relation to Their Birth Space in Shirqat City	1439
231.		1444
232.	Alterations in Antioxidants and Trace Element with Interleukin 6 Level in β Thalassemia Major Patients Janan I. Mohammed, Shihab A. Al-Bajari, MotazA.AL.Akashe, Alaa N. Totanjee	1450
233.	Overweight BMI with and without Regular Exercise in Secondary School Students in Tikrit City	1456
234.	Genotyping diversity of <i>Echerichia coli</i> isolated from UTI in Iraqi patients	1461
235.	Evaluation of the use of HbA1c in the Diagnosis of Impaired Fasting Glucose	1468

236.	Evaluation the Serum Level of Melatonin in Iraqi Patients with Polycystic Ovarian Syndrome	1474
237.	Relation of Some Heavy Metals with Male Infertility	1480
238.	Immunological role of TLR-7, IL-17A and IL-10 In a Sample of Iraqi Chronic Renal Failure Patients Asaal Abdul-Ghani Shyeaa, Mohammed Abdul-Daim Saleh; Nihad Khalawe Tektook	1486
239.	Protective Immunity against Virulence Uropathogenic Escherichia Coli in Mice	1492
240.	Serological and Immunological Determination of Auto-Antibodies Against Myositis-Associated Antigens in Systemic Lupus Erythematosus Patients Using A Novel Immunoblot Assay	1499
241.	The Effects of HIV/AIDS Education on Knowledge, Attitude, and Satisfaction for AIDS Prevention Self Massage on College Students in Korea	1506
242.	The Study on the Empathy of Nurses and the Quality of Nursing Provided to Hospitalized Children Perceived by Nursing Students	1512
243.	Relationship between Attitudes to Child Nursing College Students Perceived Punishment, Child Abuse Awareness and Knowledge	1518
244.	Reorganization of Learning Objectives Using Ontology Technique	1524
245.	Study on the Relationship Trend between Chronic Diseases and Oral Health according to Diabetes Treatment: Focusing on the Local Health Survey for 2015, 2016 and 2017	1530
246.	The Effects of Dialectical Behavior Therapy(DBT) Skill Training on Depression and Alcohol Abstinence Self-efficacy of Patients with Alcohol Use Disorder	1537
247.	The Effect of Parenting Attitudes and Major Satisfaction on Career Decision Making Self-Efficacy in undergraduate Students	1544
248.	Changes in Chemical Structure of Iopamidol Contrast Agents According to Radiation and Environmental Conditions	1551
249.	Factors affecting the post-anesthetic recovery score and length of stay in the recovery room in elderly patients with hypertension	1556

XVIII

250.	Influencing Factors on Happiness of Nurses in General Hospitals	1563
251.	Cancer Screening Findings in Korean People with Disabilities: 2016-2017	1569
252.	National Health Screening Program Non-Participation Rates Among Koreans with Brain Injury-Based Disabilities: 2016–2017	1573
253.	Comparison of Ventilation Volume and Airway Pressure of an Advanced Airways in Virtual Reality Ambulance Simulation	1580
254.	Effects of Social Support and Life Stress of Women in Climacterium on Meaning of Life	1587
255.	The Effect of Adult Attachment Types, Gender Role Attitude on the Heterosexual Relationship Satisfaction in University Students	1592
256.	The Effects of Economic Stress, Career maturity and Major Satisfaction on the Job Stress in Third and Fourth Grade Students of University	1598
257.	Major Factors Having Influence on the Subjective Happiness of Korean Youth; From the 13th KAHBOS Data Weon-Hee Moon, Myoungjin Kwon	1604
258.	Effects of Intervention on Home-Based Environmental Counselling for Children with Severe Allergic Diseases	1611
259.	Differences of Emotional Intelligence, Self-Effectiveness and Job Stress Levels by ambulance worker Personal Characteristics	1618
260.	Influence of Job Satisfaction and Burnout on Nursing Service Quality in Long-Term Care Hospitals Hyojin Won, Sung-Yun Ahn, Young-Ju Kim	1623
261.	Antimicrobial Effect of Cinnamon Oil Against <i>Oral Microorganisms</i>	1629
262.	Study on Admission Motivation and Institution Selection Intention of Elderly Residing in Long-Term Care Institutions	1633
263.	The Effect of New Nurse's Peer Satisfaction and Educational Satisfaction on Clinical Performance Myoungjin Kwon, Sun Ae Kim	1640
264.	Diagnostic Performance of Multiparametric MR Imaging According to the Location of Prostate Cancer Jihae An, Keum Won Kim, Jae Young Seo, Young Joog Kim, Min Jae Yoon, Dong Hyun Oh	1647

265.	A Study on the Awareness of Community Public Health Project among the Employees in The Public Health Center	. 1653
266.	The Health Care Needs of Local Residents in Korea	. 1660
267.	Health Care Needs According to the Life-Cycle of Community Residents	. 1666
268. 269.	Patients and Guardians' Perception on Comprehensive Nursing Care Services. Study on the Subjectivity of Medical Professionals Towards Pet Robots. Sunyoung Jang	
270.	Study on the Relationship between Major Satisfaction, Career Resilience and Career Decision-Making Level Kihun Ye, Soonyoung Yun, Shinhong Min	. 1684
271.	Manufacture and Useful Evaluation of Educational Mammography Phantom	. 1690
272.	The Effects of Hypertension, Dyslipidemia, Myocardial Infarction, and Angina Pectoris on Stress by Cardiovascular Diseases	. 1696
273.	An Analysis of the Risk of the Infection Disasters by Legal Infectious Disease Outbreak in South Kore Gwang-Seok Kim, Hae-Ryoung Park, Sang-Sub Park ^s	a1703
274.	Factors Affecting Nursing Work Performance of Medium Sized Hospital Nurses	. 1710
275.	Effects of Applying Flipped Learning to Simulation Training in Nursing Students	. 1717
276.	Development of multifunctional cosmetic products with anti-photoaging effect	. 1723
277.	A Study on Improvement of Quality of Care-givers to Long Term Care Old Age	. 1729
278.	Factors Affecting the Clinical Competency of Nursing Students in Pediatric Nursing Clinical Practice Sung-Yun Ahn, Young-Ju Kim	. 1736
279.	Development Strategy for National Fitness Award 100 via comparison and Analysis of the Korean Government's Health Policy Projects	. 1742
280.	The Factors affecting Burnout of the Small and Medium Hospital Nurses	. 1747
281.	Self-efficacy Mediating Effect inHealth Communication Campaign	. 1754

282.	The Dual Mediating Effects of Self-esteem and Hope in the Relationship between Boss's Incivility and Life Satisfaction	. 1760
283.	Study on Minimum Transmission Dose for Establishing X-Ray Imaging	. 1766
284.	The Effect of Verbal ad Non-verbal Violence Experienced at Clinical Training Institutions on Major Satisfaction of Dental Hygiene Students	. 1772
285.	The Claim State of Dental Institutions for Payment from the NHIC	. 1777
286.	Measurement and Analysis of Exposure Dose According to Radiological Survey Films of Dental Hygiene Students inOral Imaging Practice	. 1783
287.	The Effect of Action Observation Training Combined with Intrinsic Muscle Stimulation on the Upper Limb of Function in Stroke Patients	. 1788
288.	Recognition of Health and Non-Health Care Related College Students on the Safety Management of Dental Radiography	. 1793
289.	Relationship between Pain-induced Temporomandibular Joint Pain According to Cell Phone Use Frequency Sun-Mi Lee, Jung-Eun Ha, Min-Ji Kim	. 1799
290.	The Effects of Nursing Ethics and Major Satisfaction on Patient Safety Management Activities of Nursing Students	. 1804
291.	The Effects of Maternity Video and Simulation Based Education on Critical Thinking, Interpersonal Relationship, Self Leadership and Major Satisfaction	. 1810
292.	Differences of Muscle Activities of Various Bridge Postures Using Thera-band on the Stable Surface . Seol-Ah Kang, Soo-Jeong Kwon, Dong-Yoep Lee, Ji-Heon Hong, Jae-Ho Yu, Jin-Seop Kim	. 1816
293.	A Comparison of Muscle Activity Depending on Shoulder Joint Flexion Angle When Conducting Kettle Bell Swing Ha-Young Baek, Su-Jeong Seol, Dong-Yoep Lee, Ji-Heon Hong, Jae-Ho Yu, Jin-Seop Kim	. 1821
294.	Change in Lower Extremity Muscle Activity with Visual and Noises During Walking	. 1826
295.	Immediate Changes of Shoulder External Rotation Exercise of Various Angle on the Distance of Subacromial Space	

296.	Effects of Balance Training Using a Wii Fit Balance Board on Balance, Gait and Activities of Daily Living in Patients with Parkinson Disease: A Pilot, Randomized Controlled Trial	1837
297.	Antibacterial Activity of Essential Oils AgainstStreptococcus Mutans	1842
298.	A Study on the Emotional Intelligence of Optometrist	1848
299.	The Effect of Cardiac Arrest Simulation Training Using Mechanical CPR Device on Chest Compression Quality of Paramedics in Pre-Hospital	1854
300.	Actual Pressure Ulcer Awareness of a Person inCharge of Pressure Ulcer Management	1860
301.	The factors affecting on Turnover Intention of Nurses	1865
302.	Three-dimensional Evaluation of Maxillary Sinus Volume inDifferent Sex Groups Using ConebeamComputed Tomography	1871
303.	Development of Personal Safety Education Program for Nursing Students Using Hybrid Application Sang-Mee Koo, Rae-Eun Kim	1876
304.	Development and Evaluation of Educational Program to Prevent Cervical Cancer among Vietnamese Immigrant Women	1882
305.	A Study on the Effect of Eclipta Prostrata Extract and MTS on the Improvement of Scalp Health and Prevention of Hair Loss for Workers in Their 20s and 30s	1888
306.	A Study on the Selective Strengthening Exercise of the Quadriceps Muscle According to Various Squat Types	1895
307.	Change of Serratus Anterior Muscle Thickness According to Knee Flexion Angle During Knee-Push Up Plus Exercise on Sling	1901
308.	A Study on the Recognition of Child Abuse and Countermeasures	1907
309.	Influencing Factors on Mid-Life Well-Being	1912
310.	Effectiveness of Virtual Reality Based Cognitive Rehabilitation on Cognitive Function, Motivation and Depression in Stroke Patients	1918

XXII

311.	Development of a Phantom for Low Dose Mammography	. 1925
312.	Medication Supportive Behavior of Mothers with Children with ADHD: A Structural Equation Model Myeong-hui Choe, Hyunju Park	. 1931
313.	Comparison of the Effects of Standardized Patient-based Simulation Education and Clinical Practice Education for Preoperative Nursing Care for High-risk Pregnant Women	. 1938
314.	Antimicrobial Activity of Coptischinensis Extract against Dental Caries	. 1945
315.	Analysis of Depression and Stress Trends of Families Receiving Basic Life Support for Dementia Patients: Based on the Community Health Survey in 2015, 2016 and 2017	. 1951
316.	A Study on the Adjustment to the College Life:Focusing on Mediated Effect of Self-Differentiation Weon-Hee Moon, Jeong-Yeon Kim	. 1958
317.	Study on the Oral Health Attitude and Behaviour and the Changes in Dental Plaque According to the Use of Qraycam	. 1964
318.	Differences of Passive Ankle Stiffness in Post-Stroke Hemiplegia by Varying Angular Velocity between the Paretic and Non-Paretic Side	. 1969
319.	Factors Affecting Subjective Health Status in Adult Male Workers with Metabolic Syndrome Using Seventh Korean National Health and Nutrition Examination Survey (KNHANES, 2016-2018)	. 1974
320.	Factors Influencing Self-rated Health Status in Middle-aged Women with Osteoporosis: Based on the 7th Korea National Health and Nutrition Examination Survey	. 1981
321.	A Study on Factors Affecting Communication Ability of Korean Nursing Students	. 1987
322.	The Effects of ICT-based Public Health Center Mobile Health Care Project on Adult Health Risk Factors	. 1993
323.	A Study on the Subjectivity of Organ Donation for Adults	. 1999
324.	Attitude about Advanced Directives amongMiddle-aged Using QMethodology	. 2004
325.	Effects of Smartphone Addiction on Radiology Students' Interpersonal Satisfaction	. 2009

326.	Effects of Cognitive Exercise Therapy on Tactile Sensations of the Hands and Activities of Daily Living in Stroke Patients	2014
327.	Effects of Voice Quality Improvement Program forProfessional Voice Users with Functional Voice Disorders	2019
328.	Jingren Wang, Hyunju Park The Study of the Correlation between Cognition Function and Quality of Sleep in the Elderly	2024
	Ju-Young Park, Yeong-Ae Yang	
329.	Effects of Acute Exercise Intensities on Blood Lipid and Growth Factors in Middle School Students with Intellectual Disabilities	2028
330.	Comparison of Blue Light Blocking Effects of Tips and Tinted Lenses for Dental Light Curing Machines	2035
331.	Difference of Health Consciousness According to Living Environment and Economic Level of the Elderly in the Urban-Rural Complex Area	2040
332.	Effects of 8-Week High Intensity Combined Exercise on Body Composition, Blood Lipid and CRP in Obese Middle Aged Men	2046
333.	Effects of Lower Body Muscle Exercise onBlood Lipids and Homocystein	2052
334.	Anticariogeniceffect of Sambucuswilliamsii var. Coreana NAKAI (S. Williamsii) Extract on Against Streptococcus Mutans	2058
335.	This Development of a Medical Phantom to Evaluate the Function of Low Dose 3D MDCT	2063
336.	A Study on the Optometrist' Images betweenMajor Students and Non-major Students	2069
337.	The Study of Swedish Massage on Anxiety Situation and PPT in Stressed Office Workers	2075
338.	Effects of Interest Inducing Activities Programs on the Attention and Self-efficacy of School-aged Children	2080
	So-Young Han, Ha-Eun Choi, Min-Ji Kang, So-Hee Kim, Sang-Hee Moon,Su-Jeong Yoon, Geun-Hyung Choi, Jung-Woo Jeong, Ha-Na Kim, Bo-Kyoung Song	
339.	Comparison of Nurse Teachers and General Teachers and Nurses Happy Planet Index	2085

XXIV

340.	Cognition and Behavior of Oral Health in Preschool Parents	2091
	Su-Jung Lee, Hong-Ryang Jung, Cheong-Hwan Lim, Jong-Hwa Jang	
341.	Big Data Analysis for Child Well-being on Academic Research. Jung-ho Bae, Eunae Burm	2096
342.	Effect of Sanitizers and Disinfectants inStaphylococcus Saprophyticus	2101
343.	The Effect of Task-based upper Limb Training onActivities of Daily Living and Upper Limb Function inChronic Stroke Patients	2107
344.	The Effects of Task-oriented Mirror Therapy on the Upper Extremity Function and Brain Activation in Chronic Stroke Patients	2112
345.	An Effect of Communication Training Program on Communication Skills and Empathic Ability	2117
346.	A Study on the Standardization of the6-Minute Walking Test for Elderly Koreans	2123
347.	Study on the Relationship between General Health andOral Health According to Diabetes	2128
348.	Analysis of Factors Affecting the Depression andQuality of Life in the Family Taking Care of Dementia Patients	2135
349.	Effects of Low-Dye Taping Applied toChronic Stroke Patients on Gat Speed	2142
350.	The Effect of Participation in Mentoring Program on Adjustment to College Life, Major Satisfaction, and Interpersonal Relationship Skill in the Nursing Students	2147
351.	Evaluation of Effective Sound Insulation Method forNoise Generated by MRI	2153
352.	Impact of Trademark Rights on a Company's Financial Performance: Focusing on Pharmaceutical Industry inSouth Korea	2158
353.	The Effect of Recognition Level of Korean Elderly Long-Term Care Insurance System on Effectiveness Recognition	2164
354.	The Effect of Power of Agility of Core Stabilization Exercise by the Musical Type	2170

355.	Policy Roadmap for Development Process and Re-establishing Women Friendly City Policy in Korea- Focusing on the Case of Dangjin City	
356.	Effectiveness of Video Recording and Self-Evaluation forSkill Training in Undergraduate Nursing Education	
	Mi-Ran Eom, Sun Kyung Kim, Mi-Hyeon Park	
357.	The Effects of Depression and Anxiety on Psychological Well-being of College Students: Focusing on the Emotional Perception Clarity	2187
358.	A Comparative Study on Life Satisfaction on the Disabled Elderly and the Disabled Middle Aged Da-Yeon Shim, Su-Sun Park	2193
359.	Evaluation of Chest Compression Quality and Appropriateness in the Pediatric Cardiopulmonary Resuscitation Jin-Hwa Kim, Jee-Hee Kim, Hyun-Jung Kim	2199
360.	Factors Influencing Internet Game Addiction inMiddle School Students	2205
361.	Factors Influencing on-line Game Addiction of Children Yeon Ran Hong, Eun Young Do	2211
362.	A Study on the Factors Affecting Depression of the Disabled People in Korea	2217
363.	A Study on the Status and Improvement of Physical & Mental Health for Middle-aged People	2223
364.	Skin Care Behaviors for Wellaging in Male Adults	2228
365.	Relationship between Body Image, Growth Mindset, Grit, and Successful Aging in Korean Elderly: Moderated Mediation Effect of Hope Yeoun Kyoung Hwang, Chang Seek Lee	2234
366.	Effects of Various Deadlifts on the Muscle Activity of the Trunk and Lower Extremity	2241
367.	Factors Influencing Nursing Performance of Clinical Nurses: Focusing Communication Competency and Job Satisfaction	2246
368.	The Effects of Domestic Abuse Experience and Stress on Depression of Adolescents: The Moderated Mediation Effect of Teacher Relations	2252
369.	The Effect of Workers' Smartphone Addiction on Depression: Dual Mediation of Growth Mindset and Impulsiveness	2259

XXVI

370.	Perceived Health Status, Psychological Well-Being and Health Promotion Behavior of College Studen In-Sook Park, Tae-Kyung Kim	ts 2265
371.	Risk Analysis of Metabolic Syndrome Affecting Osteoarthritis: Focused on the 6th Korean National Health and Nutrition Survey	2271
372.	The Effects of Critical Thinking Disposition, Perception of Others and Empathy on Communication Competency among Students Majoring in Nursing	2276
373.	Changes in the Health-related Quality of Life amongKorean Adults: Data Comparison between 2007 and 2017	2283
374.	Effects of VR-based Rehabilitation Video for Visual Vertigo on Autonomic Nervous System and Subjective Immersion and Interest in the Elderly	2290
375.	Factors Affecting Health-related Quality of Life forSubjects with Breast Cancer	2296
376.	The Influence of Self-Efficacy, Self-Esteem, Aging Anxiety on Successful Aging in Middle-Aged Women Jin-Hui Cho	2303
377.	The Influence of Social Network and Depression on Successful Aging in the Elderly	2309
378.	The Effect of Healthcare Service of Employees at a Workplace Using Mobile	2315
379.	Actor and Partner Effects of Self-Efficacy and Social Support on the Colorectal Cancer Screening Behavior of Husbands and Wives: Based on the Actor-Partner Interdependence Model	2321
380.	The Correlation of the Star Excusion Balance test, Star Excusion Balance Test, Visual Feedback Balance Test	2326
381.	Study the Association between the Thyroid Autoimmunity Markers and Polycystic Ovary Syndrome in Euthyroid Women	2331

Synergy of Government and Regional Government Authority in Providing Health Guarantee for Communities in Indonesia

Fatkhul Muin¹, Rully Syahrul Mucharom¹, Wafda Vivid Izziyana²

¹Faculty of Law, Universitas Sultan Ageng Tirtayasa, ²Faculty of Law, Universitas Muhammadiyah Ponorogo

Abstract

The main idea of the government was to form a special institution to handle social security for the community in 2004, which was through the Social Security System Act. With the provisions of this law, in 2011, the Republic of Indonesia Law No. 24 of 2011 concerning the Social Security Organizing Agency (BPJS) and implementing regulations. On another aspect, the social security system is certainly difficult to implement if the system is not integrated between the central government and regional governments. With an integrated system, a social security system in the health sector will be built, this is in line with Law No. 23 of 2014 concerning Regional Government, where one of the concurrent affairs in the health sector. The purpose of this research is to analyze the synergy of the authority of the government and regional governments in implementing social security in the health sector by using qualitative methods and normative juridical approaches.

Keywords: Health Insurance, Synergy, Government

Introduction

Social and economic development as one of the implementation of national development policies has produced a lot of progress, including increasing the welfare of the people. The welfare must be enjoyed sustainably, fairly and equally to reach all people. (1) In opening the 1945 Constitution of the Republic of Indonesia it was mandated that the aim of the state was to improve the welfare of the people. In the Fourth Amendment to the 1945 Constitution of the Republic of Indonesia, the objective was further emphasized by developing a social security system for the welfare of all people. (2) One form of social security provided in the health sector.

In order to improve health protection for the people of Indonesia, it is necessary to review the health service system, where health services are a mandatory part of responsibility Country given to the community. Health service is one of the fundamental rights of the

Corresponding Author: Fatkhul Muin

E-mail: fatkhulmoen@gmail.com)
Address: Jl. Raya Serang - Jakarta, Panancangan,

Cipocok Jaya, Serang City, Banten 42124

community whose provision must be carried out by the government as mandated in the 1945 Constitution article 28 H paragraph (1) Every person has the right to live in physical and spiritual prosperity, to live and have a good and healthy living environment and has the right to receive health services. Service is an activity that is invisible (cannot be touched) that occurs as a result of interactions between consumers and caricatures or other things provided by service providers that are intended to solve the problems of consumers or customers. (3) In the administration of government, which is based on the provisions of Law No. 21, 2014 regarding Regional Government, in general, the administration of health in the field of health is carried out jointly between the government and regional government, then jointly between the government and regional government, making the obligation for the government and local governments to fulfill the health of every citizen, especially for the poor.

In the provisions of Chapter II Determination of Criteria and Data Collection of the Poor and Poor People.

Section 2:

(1) The criteria for the poor and disadvantaged are determined by the Minister after coordinating with the

minister and / or leaders of the relevant institutions.

(2) Criteria for the Poor and Poor People as referred to in paragraph (1) shall be the basis for the institutions conducting government affairs in the field of statistics to conduct data collection."

Section 3

"The results of the data collection of the poor and disadvantaged people carried out by institutions that carry out government affairs in the field of statistics are verified and validated by the Minister to be integrated data."

With an integrated system, it is expected that the management of the health service system can be carried out significantly by the State.

Research Methodology

In research, the object of research is one of the instruments that needs to be the basis for efforts to determine the research method to be carried out by a researcher. In general, the research method used is doctrinal with normative juridical approaches.

Findings and Discussion

Fulfillment of the constitutional rights of every State in the field of health is an attempt by the State to carry out its obligations. Law Number 24 of 2011 which stipulates that social security is administered by the Social Security Assistance Agency (BPJS) consisting of BPJS Health, which is implemented from January 1, 2014, the National Health Insurance (JKN) as a health insurance system for all Indonesian citizens is carried out throughout health service agents ranging from hospitals to puskesmas aimed at all levels of society. (4) With this institution, it is expected to be able to provide maximum health services to the community, (5) so that the level of community welfare can be achieved.

The existence of BPJS Health as an Implementing Body is a public legal entity formed to organize a health insurance program for all Indonesians. The purpose of the implementation of the National Health Insurance program is to meet the proper public health needs provided to everyone who has paid contributions or whose contributions have been paid by the Government. With the Law No. 40 of 2004 concerning the National Social Security System, in 2011 PT Askes (Persero) was officially appointed as the Health Social Security

Administering Board (BPJS) which covers the health insurance of all Indonesians as stipulated in Law No. 24 of 2011 concerning BPJS. The National Health Insurance Program (JKN) organized by BPJS Health has started to be implemented since January 1, 2014. (6) This period is the period of integration of the health system in Indonesia organized by the government through the Social Security Management Agency (BPJS) and the Regional Government through its Regional Stuan Organization Organization, namely the Health Office.

In the period of 2015 the implementation of the National Health Insurance Program in Indonesia has been carried out, but for 1 Year 3 months the implementation of JKN there are still a lot of homework that must continue to be addressed by the government and all parties involved. To achieve the National Social Health Insurance (JKSN / AKN) for all residents a comprehensive mapping is needed covering aspects of regulation, membership, health services, benefit packages, service networks, funding, management, and other resources. In the end, the progress of the JKN program will highly depend on public confidence in the performance of the BPJS as the main implementer of the JKN program. Complaints from participants, doctors, and other health facilities must also be accommodated. (6) By accommodating the interests of all, it is expected to be able to provide health services based on public service standards and synergize government and local government policies.⁽⁷⁾

Law No. 40 of 2004 concerning the National Social Security System (SJSN) is the effort of the Republic of Indonesia in the field of legislation in ensuring the fulfillment of the right to health for the entire population. The law states that the government is responsible for the availability of services, the availability of access to both facilities and information, the availability of equal resources, and the seeking of feasibility and affordability in the health sector. Furthermore, the government is also responsible for administering health insurance through the national social health insurance system for each of its citizens. Sustainability of Law No. 40 of 2004 concerning SJSN is the issuance of Law of the Republic of Indonesia No. 24 of 2011 concerning the Social Security Organizing Agency (BPJS). The law explains BPJS consists of BPJS Health and BPJS Employment. BPJS Health is a government policy program to organize National Health Insurance. BPJS Health has been implemented since January 1, 2014. In the implementation of the BPJS program, there are many

obstacles faced by one of them the potential funding deficit which increases every year. Based on data from the Health BPJS in 2014 the BPJS experienced a deficit of 1.94 Trillion, at the end of 2015 the BPJS had a deficit of 5.85 Trillion and according to the Director of Development Planning BPJS Mundiharno the potential for deficit in 2016 was around 9.2 Trillion.⁽⁸⁾

In implementing the SJSN Law and the BPJS Law, the government implemented its policies through Government Regulations and Presidential Regulations, one of which is Presidential Regulation No.12 / 2013 on Health Insurance which experienced three changes, the first change being Presidential Regulation No. 111 of 2013, the second amendment to Presidential Regulation No. 19 of 2016 concerning Health Insurance and the third amendment to Presidential Regulation No. 28 of 2016 concerning Health Insurance. The second amendment to Presidential Regulation No. 19 of 2016 was carried out with the spirit to improve the conditions of the implementation of the National Health Insurance, among others, to meet the adequacy of contributions, regulate membership, regulate fines, regulate fraud prevention. However, in its implementation only within a period of not more than thirty days the Presidential Regulation was changed to Presidential Regulation No. 28 of 2016. Presidential Regulation No.19 of 2016 concerning Health Insurance has not yet had time to be implemented, it has been changed to Presidential Regulation No.19 of 2016 concerning Health Insurance. In the system theory described by Easton, a policy-making process begins with an input process that describes all requests that require a problem-solving solution, resources and support from the existing environment, all variables in the input process will be processed in a process to make a policy where in the process there will be dynamics of the policy making process and the interaction of the various actors involved 2 and produce its output in the form of a solution that becomes public policy. A policy analysis needs to be done to be able to see why the output of the policy change is happening so fast, because this process can perfect these National Health Insurance policies and can be implemented properly and in accordance with the constitutional and statutory mandates. The purpose of this study is to analyze the rapid changes in JKN policy; Presidential Regulation No. 19 of 2016 concerning Health Insurance becomes Presidential Regulation No. 28 of 2016 concerning Health Insurance. (8)

In essence, social security in the health sector, began to be developed. Countries in the world through international health agencies WHO has agreed to achieve Universal Health Coverage (UHC) in 2014. UHC is a health system that ensures every citizen in the population has fair access to services quality promotive, preventive, curative and rehabilitative health at an affordable cost that includes two core elements in it namely access to fair and quality health services for every citizen, and protection of financial risks when citizens use health services where the Indonesian state is currently located in the transition to coverage of universal health services. (9) With this system, public health can be achieved.

In Indonesia the understanding and capability of the regions in managing Jamkesda are still different from one another, especially in the framework of achieving Universal Health Coverage, as evidenced by only 4 provinces that have achieved Universal Health Coverage (UHC). The number of provinces that only guarantee non-Jamkesmas poor participants reached 27 provinces (81.81%), and 2 provinces (6.06%) using SKTM (Certificate of Disability).⁽¹⁰⁾

In order to provide health protection to the community through the Indonesia Health Card-Health Insurance Program (JKN-KIS), the role of the Regional Government is expected to be present in efforts to improve the quality of the JKN-KIS program in accordance with the mandate of Law Number 40 of 2004 concerning the National Social Security System. At present the Regional Government integrating the regional health insurance program (Jamkesda) into the JKN-KIS Program has increased and it is hoped that all Regional Governments can do the same, in addition to many other things that can be done by the Regional Government in supporting the implementation of the JKN-KIS Program continuous. "BPJS Health together with local and regional governments and other stakeholders can work together to achieve 100% participation or targeted universal coverage to be realized on January 1, 2019. At present the coverage of JKN-KIS participants in Indonesia has reached 170.9 million or around 70%. The local government can optimize the Jamkesda budget and be integrated with the JKN-KIS Program. The legal basis or Jamkesda integration policy (population registered by the Regional Government) is clear, in accordance with, Presidential Regulation No. 12 Number 111 of 2013, Presidential Regulation Number 74 of 2014 concerning Guidelines for the Preparation of a Social Security and Employment Sector Road Map, Perpres Number 19 Year 2016 jo. Perpres 28 of 2016 concerning Health Insurance, Letter of the Minister of Home Affairs number 440/3890 / SJ dated October 19, 2016.

The number of Jamkesda integration participants as of November 2016 is 15,151,350 people. Of the 34 provinces 32 provinces have integrated part or all of the District / City Jamkesda in their regions. There are 15 provinces that contribute through sharing of contributions / participants in Jamkesda integration financing with varying patterns, for example 40% of contributions are paid by the provincial government, 60% by Pembab / Pemkot. The 15 provinces are Aceh, North Sumatra, Riau, West Sumatra, Bengkulu, Bangka Belitung, Jakarta, Banten, Central Java, West Java, Central Kalimantan, NTB, West Sulawesi, Gorontalo, South Sulawesi. Referring to BPJS Health data, 378 Jamkesda districts / cities have been integrated into the JKN-KIS program. Then, there are 4 provinces which can be categorized as Universal Health Coverage (UHC) or JKN-KIS membership of the population> 95%, namely DKI Jakarta Province, Aceh Province, West Papua Province, Gorontalo Province. (11) A good management system for social security institutions in the form of BPJS Health is as an effort to provide protection to the community in the health sector.

Conclusion

The social security system established is to provide social protection to the community. Law No. 40 of 2004 concerning SJSN is the issuance of Law of the Republic of Indonesia No. 24 of 2011 concerning the Social Security Organizing Agency (BPJS). The law explains BPJS consists of BPJS Health and BPJS Employment. BPJS Health is a government policy program to organize National Health Insurance. Being an effort to create a social security system in the health sector, synergy efforts are needed, therefore concurrent affairs in the health sector can be carried out jointly between the government and the regional government and the Health Social Security institutions formed based on legislation. In this case, there are certainly many elements that must be addressed, so that in order to realize effective and efficient improvements, it may be necessary to take action steps based on scientifically determined priority sequences, for example based on difficulty and usefulness.(12)

Ethical Clearance: Yes

Conflict of Interest: No

Source of Funding: Author

References

- Government of Republic of Indonesia. Explanation of the Law of the Republic of Indonesia Number 40 of 2004 concerning the National Social Security System. Jakarta: Government of Republic of Indonesia; 2004.
- Government of Republic of Indonesia. Explanation of the Law of the Republic of Indonesia Number 24 of 2011 concerning the Social Security Organizing Agency. Jakarta: Government of Republic of Indonesia; 2011.
- Suprianto A, Mutiarin D. Evaluation of the Implementation of National Health Assurance (Study of the Relationship of Stakeholders, JKN Funding and Outcome Model in Bantul Regency, Special Province of Yogyakarta). 2017;4(1):250-272.
- Kusuma AI, Farid M. Understanding of Information on the National Health Insurance Program (BPJS) of Health and Its Utilization among Communities in Maros Regency. Journal of Communication KAREBA. 2016;5(2):300-311.
- MoH-RI. National Health Insurance Exposure Material in the National Social Security System. Jakarta; Ministry of Health of the Republic of Indonesia; 2013.
- Irwandy. Literature Review: Evaluation of the Implementation of the National Health Insurance Program in Indonesia. Journal of Indonesian Health Policy. 2016;5(3):200-111.
- Anonymous. Health Insurance Management Agency, Jamkesda Integration in Optimizing JKN Program. Inf.BPJS-Kes. 2014;July:3.
- 8. Simanjuntak J, Darmawan ES. Analysis of Policy Changes to Presidential Regulation No. 19 of 2016 concerning Health Insurance to Presidential Regulation No. 28 of 2016 concerning Health Insurance. Indonesian Health Policy Journal. 2016;5(4):256-195.
- Aulia P. Polemic on the Integration of Regional Health Insurance Policies into the National Health Insurance System. Andalas Community Health Journal. 2014;94.
- MoH-RI. Data and Reports from the Directorate General of Health Efforts. Jakarta: Ministry of Health Republic of Indonesia: Directorate General

- 11. Health Social Security Organizing Agency (BPJS-Kes). Importance of the Role of Local Government in the JKN-KIS Program [Internet]. 2016 [cited 2019 Jan 12]. Available from: https://bpjskesehatan.go.id/bpjs/dmdocuments/b9ccbef06824476445e0f106ae7aa667.pdf.
- 12. Nugroho HSW, Sillehu S, Handoyo, Suparji, Sunarto, Subagyo, Sunarko B, Bahtiar. Difficultness-Usefulness Pyramid (DUP) as New Method to Select Elements Prioritized in Management of e-Learning in Health. Indian Journal of Public Health Research & Development. 2018;9(2):206-2011.