

Professor Eman Farouk Abdul Halim Badran

Detailed Curriculum Vitae



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Address resident Al-Jubeha, Amman, Jordan
Campus Address Professor of Pediatrics. Neonatal-
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Pediatrics, School of Medicine
University of Jordan, Amman

PERSONAL INFORMATION:

Birth date	April, 1964
Birth Place	Amman, Jordan
Nationality	Jordanian.
Marital status	Married to Tareq Al Jabari. had 5 children.(Lina, Rana, Omar, Mira, Hala)
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Google Scholar	https://scholar.google.com/citations?hl=en&user=PnhGn4UAAAAJ&sortby=title&view=F6o2Bx_3ZByRz-070TwVyKzymU8zXs_Y0J6wNUQAWVy1AD0wmXfcj2I2hLpFM188-zCT8pkA_JnTaj0YyLp1UL3h13pj0DbCdox_ajo5AWCr4eqYk
Web site	http://eacademic.ju.edu.jo/e.badran/default.aspx http://eacademic.ju.edu.jo/e.badran/Lists/Published%20Research/AllItems.aspx
Present post:	Professor of pediatrics , Chairman of the Neonatal Unit at Jordan University Hospital, Pediatric department, Neonatal –perinatal division
Last Post	Director of Neonatal fellowship program/Jordan university Hospital Chairman of Pediatric department, University of Jordan Sep2014- Sep2016

Interest and Hobbies

Teamwork, Enterprises, Leadership, and Organization
Internet surfing and reading

EDUCATION:



1995

Neonatology Fellowship: University of Leeds, Leeds Teaching Hospitals NHS Trust . Leeds General Infirmary, Leeds, UK

1993 **Mcs** : General Pediatrics University of Jordan

1988 **Bachelor** of Medicine & Surgery. University of Jordan

Certification:

2019

Breast feeding Counselor



1995 Fellowship in Neonatology: United Leeds Teaching Hospitals, Leeds General infirmary, UK

1995 MRCPCH: Member of Royal College of physician and child health in London

1993 Master's Degree: Master's degree in Pediatrics, University of Jordan

1988 Bachelor of Medicine & Surgery, Faculty of Medicine, University of Jordan

PROFESIONAL EXPERIENCE

September 2020 till now Director of neonatal fellowship program
April 2019 till now Director of Breast feeding committee for Baby friendly hospital at Jordan university hospital
March 2018 till now Member of steering committee for Baby friendly initiative at Health care accreditation counsel
November 2019 Breast feeding counselor
September 2013 Promotion to Professor of pediatrics at University of Jordan, Faculty of Medicine, Pediatric department
February 2008 Promotion to Associate Professor of pediatrics at University of Jordan, Faculty of Medicine, Pediatric department
February 2008 Director of the neonatal intensive care Unit: University of Jordan, Jordan University Hospital, Amman, Jordan till now
March 2003 Appointed as Assistant Professor & Consultant in Paediatrics and Neonatology: Jordan University, Jordan University Hospital, Amman, Jordan
Dec. 2000 – Feb. 2003 Consultant Neonatologist. Neonatal Unit, Farah Hospital
Dec. 2000- Feb. 2003 Running a Private clinic
Dec. 1995 - June 2000 Assistant Professor and Consultant in Paediatrics and Neonatology, Jordan University, Jordan University hospital, Amman, Jordan
July 1993- Sep. 1995 Neonatology Training: Leeds General Infirmary, Leeds-United Kingdom
July 1989-June 1993 Pediatric Resident: Department of Pediatrics, Jordan University Hospital, Amman, Jordan
July 1988- June 1989 Intern: Jordan University Hospital, Amman, Jordan

Educational experience

Examiner

2019 till present	Examiner at the Arab Bared Council (Neonatology Arab Board)
1996 till present	External examiner at the Faculty of Medicine, Jordan University of Science & Technology, 1996. –till now
2003--2020	Examiner at the Jordan Medical Council (Pediatrics Board)
2007 till present	Examiner at the Faculty of Medicine, Moatah University
2007 till present	Examiner at the Islamic hospital, for pediatric residents
2007 till present	Examiner at the Specialty Hospital, for pediatric residents
2013 till present	Examiner at the Arab Medical Council (Arab Pediatrics Board)
2003 -2006	Program director for medical students in pediatrics
2005-2006	Member of introductory course teaching committee for 4 th year medical students
2005-2008	Member of technical committee to establish OSCE Exam at University of Jordan, Faculty of medicine
2006-2009	Director for running OSCE Exam in pediatric department 2006- 2009
2006-2010	Running the perinatal meeting in neonatal and obstetric department
2012	Visiting associate professor in pediatrics at Tabouk University (3weeks)

Development of New Programs

1-Neonatal Resuscitation Program Trainer (NRP)

2- Child Abuse -

August 2015	Organizing child abuse course in Collaboration with Wayne State university and University of Jordan, Pediatric Department and Ministry of Health
September 2016	Organizing international child abuse conference University of Jordan
September 2020	Participating in the establishment of Child abuse E- module in collaboration with Children's Hospital of Michigan, Wayne State University and Global Initiative on Child Health and Well Being international Centre for Missing & Exploited Children/USA

3- Breast feeding Program

2018 -present	Yearly work shop coarse running for breast feeding for pediatric and obstetric residents (role: team leader) Establishing Breast feeding program at Jordan University Hospital
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4- Neonatal fellow ship Program

Establishing accredited neonatal fellowship program By Arab board counsel (role: team leader) at Jordan University Hospital

SPECIAL EXPERIENCE

Proposal writing

2005	Recognized Tempus program Trainer
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2009 - 2010	Attending 12 workshops on how to write proposal and identification of different European and American funding agencies. Higher council for science and technology
2010	Attending work shop entitled how to identify and win projects from the seventh frame work program (FP7) at higher council for science and technology At Higher Council for Science and Technology.
2010	Participating in giving 2 workshops on how to write proposal and get funds from funding agencies. The Center for Educational Development for Health Personnel
2018	Supervising medical students research
2018 till now	Mentor for medical student research projects

Consultation Experience

1996-1997	Consultant for the assessment of Regional Neonatal Mortality in region/ UNICEF
2010 -present	Neonatal Mortality Jordan task Force /role is committee member n. UNICEF/ higher population council
2011-2018	Safe Mother and neonatology Services in Jordan / role is committee member .
2011-2014	Ethical committee at Higher population council / role is steering committee member
2009-2011	Participating in writing and editing new educational books for the new project entitled <i>Educational development project towards the knowledge economy - for Ministry of Education</i> in Hashemite Kingdom of Jordan entitled Knowledge Economy
2012	Improving perinatal health services in Jordan, Strategic planning for year 2013 in collaboration with ministry of health, Royal medical services USAID. role is steering committee member
2016 -present	Establishing national neonatal Guidelines in collaboration with Ministry of health , Private sectors , Universities and UNICEF /role Team leader
2016	Core Neonatal care curriculum development for management of neonatal Syrian refugees ./ Funder by UNHCR Educational coursers on care and management of sick Syrian refugee's newborn for health care providers in Zatari and Azraq camp
2017	Accreditation for the Arab medical council for neonatal fellowship program in Al-Maqased Hospital/at Al-Quds city/Role team leader of accreditation committee
2018-present	Member at technical comities for breast feeding In. Jordan at Health care accreditation Council(HCAC):Role active team member

2019-2020	Evaluator for winning proposal in health sciences with monitoring these funded projects winning at King Abdulla II Fund Development KAFD
2022-till now	Member of technical advisory committee for Jordan nutrition innovation lab (JNIL). Supporting maternal and young infant nutrition and health in Jordan in collaboration with Tufts university

New Establishment

2011-2014	Establishment of Medical Students research Club. Started through establishment of Educational workshops for selected enthusiastic medical students that engage them to participate in clinical and basic research, this. This project was sustainable till now and disseminated to all health schools at different universities in Jordan with great impact in increasing the number of publications by the students (role : direct supervisor)
2013	Establishing perinatal center for pregnant women and newborn in collaboration with USAID supported by university of Jordan and Jordan university hospital./Role Team Leader supported by the president of University of Jordan and hospital directors
2014	Establishment of quality improvement Pharmaceutical care of newborn at Neonatal Unit at Jordan University Hospital In collaboration with department of Clinical Pharmacy which resulted in disappearance of CLAPSI for the last 4 years (2015-2019)
2015	Establishment Breast feeding Association group /role Team leader
2015	Establishment of quality improvement project of computerized medication prescription / role Team leader
2018-present	Director of Baby friendly Hospital at Jordan Project for designation At University Hospital// role Team leader
2018	Establishment Neonatal fellow ship program accredited by Arab Medical Council /role :Team Leader started September 2020
2019	Establishment of lactating rooms for working Mothers/ role Team leader
2019	Establishment /Renovation of Breast-feeding rooms at NICU/ role Team leader
2019	Establishment of breast-feeding curriculum for pediatric and obstetric physician with competency and skill assessment/ role Team leader
2019	Establishment of computerized Monitoring tools for baby friendly hospitals/ role Team leader/ role Team leader

Committees at the level of faculty and Jordan University Hospital

2003 TO PRESENT	Participating in different committees at faculty of medicine and Jordan university hospital (faculty council, scientific committee for conferences at faculty of medicine, curriculum , Development committee, research committee, quality committee, health record filing committee, blood bank committee, and library committee. Etc,)
2018 TO PRESENT	Director of Baby friendly Hospital committee
2019	Evaluation of medical student research ? role Director of committee member

Membership in Professional Organizations

1996 -present	Jordan Medical Council
1995 -present	British General Medical Council
1995 -present	Royal college of physician and child health in London
2005 -2007	Member of Jordanian liaison committee with the Royal college of physician and child health
1996 - present	Jordan Pediatric Association
2004 - present	Pan Arab Neonatal society
2007 - present	Jordan Neonatal society
2002 -present	Member of Scientific committee of the Jordanian Pediatric Society
2014 -present	Member of Jordanian board committee of Pediatrics at the Jordan Medical Council
.2014 -2016	Member of the Faculty Council at Faculty of Medicine, University of Jordan
2015 -2018	Member of Board of Trustees at Al- Balqa' Applied University
2018 -present	Member of Steering committee and technical committee for Health Care Accreditation Council (HCAC)
2019present	Neonatology Arab Board Council
2020-present	Newborn brain society (NBS) Canada

Medical conferences and workshop as Speaker

- 2004 Recent advances in Pediatrics conference, Royal College of Pediatrics and Child Health
- 1995 Participation in several local meeting in Jordan at the level of Jordan Neonatal club meetings, local Pediatric conference till now
- 2009 Current state of Antifungal Treatment in Neonatal Systemic Candidiasis. SEVENTH ARAB CONFERENCE FOR ANTIMICROBIAL AGENTS BEIRUT, LEBANON
- 2011 Neonatal service in Jordan. International Workshop on Organization of Neonatal Services in the South-Eastern European and Middle Eastern Countries., in Marmaris, TURKEY.
- 2012 The Second International Neonatology Conference, **NEW INNOVATIONS IN NEONATAL MEDICINE** , Abu Dhabi . UAE <http://www.arapuaarapua.org/g6.htm>
- 2012 PERINATAL ASPHYXIA – PHYSIOLOGY AND RECENT TRENDS IN MANAGEMENT Fifth Congress of pediatric department
- 2012 Improving neonatal ventilation work shop in Jordan (speaker) USAID / HSS/ April 2012
2012. 3rd International Congress of union of European Neonatal and Perinatal Societies (UENPS)which will be held in the beautiful city of Porto, Portugal website: <http://www.uenps2012.org/uenps/>
- 2013 13th International Pan Arab League of dermatology Conference (speaker)
<http://www.pald.org.jo/scientific-programme/a-tentative-scientific-program.html>
- 2013 The 15th International Conference of Jordan Pediatric Society (speaker)
- 2015 The 20th Congress of Union of Arab Pediatric Societies & The 15th International Conference of Jordan Pediatric Society (speaker)
<https://www.sajilni.com/event/the-20th-congress-of-union-of-arab-pediatric-societies--the-15th-international-conference-of-jordan-pediatric-society>
- 2015 Second international Kurdistan pediatric society conference
- 2016 The 16 International Conference of Jordan Pediatric Society & International Pediatric Association & Union of Arab Pediatric Societies (speaker)
<http://www.umemps.org/sites/default/files/First%20Announcement%20IPA%202016.pdf>
- 2017 Update in Fetal intrauterine transfusion therapy: neonatal outcomes. rd. Abu Dhabi International Neonatal Multispecialty Conference. Abu Dhabi. UAE. November 2017 (speaker)
- 2017 [Exclusive breastfeeding success among women](#) In Jordan. Amman Jordan . 8th Scientific Research Conference opened at the University of Jordan 12 November 2017 (speaker)
- 2017 Can Clinical support can make the difference in exclusive breastfeeding” success among women in Jordan July 2018. 7th International Conference for Pediatrics(speaker)
- 2018 The needed steps for implementation of Baby friendly Hospital /Lebanon/UNICEF (Speaker)
- 2018 PUMBY ROAD FOR BFH “(SPEAKER/Lebanon/UNICEF (Speaker)
- 2020 Virtual workshop 2 hours for Breast feeding - COVID 19 (HCAC) Role: presenter
- 2022 Challenges and clinical management of infants of mothers with hyperglycemia in pregnancy ,*The international diabetes and endocrine conference (Pakistan.)

Thesis and Project supervised

- I co-supervised on three PhD thesis in the university of Jordan, Jordan *
- I co-supervised on 32 Mcasters thesis in the university of Jordan, and Jordan university for science and technology , Jordan

Publications

Number	Title
1	BADRAN, E. F., MASRI, A. T., HAMAMY, H. & AL-QUDAH, A. A. 2007. Etiological and clinical profile of neonatal seizures in a highly consanguineous population. <i>Journal of Pediatric Neurology</i> , 5, 305-309
2	Al-Khatib MS, Khyami-Horani H, Badran E , Shehabi AA. Incidence and characterization of diarrheal enterotoxins of fecal <i>Bacillus cereus</i> isolates associated with diarrhea. <i>Diagnostic microbiology and infectious disease</i> . 2007 Dec 1;59(4):383-7
3	BADRAN, E. F., AL BARAMKI, J. H., AL SHAMYLEH, A., SHEHABI, A. & KHURI-BULOS, N. 2008. Epidemiology and clinical outcome of candidaemia among Jordanian newborns over a 10-year period. <i>Scandinavian journal of infectious diseases</i> , 40, 139-144.
4	MASRI, A., BADRAN, E. , HAMAMY, H., ASSAF, A. & AL-QUDAH, A. A. 2008. Etiologies, outcomes, and risk factors for epilepsy in infants: A case-control study. <i>Clinical neurology and neurosurgery</i> , 110, 352-356.
5	Eman Badran , A.S. Salhab, Madi Al-Jaghbir. Prevalence of infant passive smoking during the first year of life in Jordan. <i>Eastern Mediterranean Health Journal</i> , Vol. 15, No. 1, 2009.
6	ALKAZALEH, F., SALEEM, M. & BADRAN, E. 2009. Intrathoracic Displacement of Pleuroamniotic Shunt after Successful in utero Treatment of Fetal Hydrops Secondary to Hydrothorax. <i>Fetal diagnosis and therapy</i> , 25, 40-43
7	MASRI, A. T., BADRAN, E. F. , SALEEM, M. M. & AL-QUDAH, A. A. 2009. Lead levels in children with developmental. <i>Neurosciences</i> , 14
8	Badran E , Shamayleh A, Irshaid Y. Pharmacokinetics of vancomycin in neonates admitted to the neonatology unit at the Jordan University Hospital. <i>International journal of clinical pharmacology and therapeutics</i> . 2011;49(4):252
9	AL-LAWAMA, M., BADRAN, E. & KHURI-BULOS, N. 2012. Intrauterine transmission of H1N1 disease: a theory that needs evidence! <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 25, 187-188.
10	SHIREEN, I., EMAN, B. , KAMAL, A. & ASEM, S. Epidemiological characteristics of <i>Candida</i> species colonizing oral and rectal sites of Jordanian infants. <i>BMC Pediatrics</i> , 2011,1(1):79
11	RYALAT, S., SAWAIR, F., BAQAIN, Z., BARGHOUT, N., AMIN, W., BADRAN, D. & BADRAN, E. 2011. Effect of oral diseases on mothers giving birth to preterm infants. <i>Medical Principles and Practice</i> , 20, 556-561.
12	BADRAN, E. F., BATTAH, H. A., AKL, K. F., KHALIL, R. W. & AL AMORI, I. 2012. Detection of novel LAMA3 mutation in Herlitz junctional epidermolysis bullosa in a Jordanian family. <i>Australasian Journal of Dermatology</i> . 2013. 54 (3):218-221
13	BADRAN EF , ABDALGANI MM, AL-LAWAMA MA, AL-AMMOURI IA, BASHA AS, AL KAZALEH FA, SALEH SS, AL-KATIB FA, KHADER YS. EFFECTS OF PERINATAL RISK FACTORS ON COMMON NEONATAL RESPIRATORY MORBIDITIES BEYOND 36 WEEKS OF GESTATION. <i>SAUDI MED J</i> . 2012 DEC 1;33(12):1317-23..
14	Shehabi AA, Abu-Yousef R, Badran E, Al-Bakri AG, Abu-Qatouseh LF, Becker K. Major characteristics of <i>S taphylococcus aureus</i> colonizing J ordanian infants. <i>Pediatrics International</i> . 2013 Jun;55(3):300-4.

15	Badran EF, Al-lawama M, Masri A, Al-Amouri I, Kazaleh FA. Fetal intrauterine transfusion therapy: Neonatal outcomes. J Blood Lymph. 2013;3(112):2.
16	Manar A Al-Lawama, Eman Badran , Najwa Khuri-Bulos. .Carbapenems resistant bacteria: The in-house beast! Conference Paper · May 2013 .
17	Eman F. Badran ; Amal M. Abu Libdeh ; Fawaz Kasaleh, Shawki Saleh, Asma Basha, Fida thikrallah Yousef Khader, Nada Yaseen. Impact of maternal overweight and obesity on perinatal outcomes. Jordan medical journal June .2014
18	Badran EF , Semrin A, Abdelghani T and Ajour M. Intravenous Milk Infusion; Rare Medication Error Pediatrics & Therapeutics, 2014, April, Volume 4 • Issue 2 . http://omicsonline.org/open-access/intravenous-milk-infusion-rare-medication-error-2161-0665.1000201.pdf
19	Asem A. Shehabi , Emman F Badran, Nazha Ala'a Alnasra. The Emergence of resistance in enterococci isolates from infants: A review study. The International Antimicrobial Agents. Vol 4, No 3 ((2015)
20	M Al-lawama, E Badran , N Khuri-Bulos. Neonatal gram-negative sepsis in a tertiary hospital in Jordan: when fever means multidrug resistance. Pediat Therapeut 4 (212), 2014
21	Nada A. Yasein, Farouq M. Shakhathreh, Azmi Mahafza, Eman Badran , Wejdan A. Shroukh4), Mohammad S. Farah. Evaluation of the Medical Teaching Program from the Students Perspective at Faculty of Medicine: Jordan University. International Medical Journal Vol. 22, No. 4, pp. 335 - 339 , August 2015
22	Maysa F. Hawamdeh , Eman F. Badran , Naheel F. Dajani , Asem A. Shehabi . Occurrence of potential virulence factors and antimicrobial resistance markers in fecal E. coli isolates from infants THE . INTERNATIONAL ARABIC JOURNAL OF ANTIMICROBIAL AGENTS ISSN 2174-9094. 2016. Vol. 6 No. 3:3 doi: 10.3823/793
23	Shehabi AA, Badran EF , Abu-Khader EN. Clostridium difficile: Infection, diagnosis and treatment with antimicrobial drugs: A review article. The International Arabic Journal of Antimicrobial Agents. 2016 Feb 10;5(4).
24	M Al-Lawama, H Aljbour, A Tanash, E Badran . Intravenous Colistin in the treatment of multidrug-resistant Acinetobacter in neonates . Annals of clinical microbiology and antimicrobials 15 (1), 8. 2016
25	EF Badran , RAQ Din, AA Shehabi. Low intestinal colonization of Escherichia coli clone ST131 producing CTX-M-15 in Jordanian infants . Journal of medical microbiology (2016),65 (2), 137-141

26	M Al-lawama, E Badran . Clinical value of repeat blood cultures in neonatal patients receiving antibiotic treatment . Journal of International Medical Research 43 (1), 118-124.2016
27	NA Alnasra, EF Badran, N Dajan, AA Shehabi. Antimicrobial susceptibility and virulence factors of Enterococci colonizing intestinal tract of infants . The International Arabic Journal of Antimicrobial Agents 6 (1)2016
28	MF Hawamdeh, EF Badran , NF Dajani, AA Shehabia, Occurrence of potential virulence factors and antimicrobial resistance markers in fecal E. coli isolates from infants . The International Arabic Journal of Antimicrobial Agents 6 (33) 2016. DOI: 10.3823/793
29	Manar Al-lawama , Tariq Abdelghani , Eman Badran . Mortality and Short-Term Outcomes of Very Low Birth Weight Infants at a Tertiary Care Center in Jordan: Comparison with Other Countries. <i>Pediatr Ther</i> 2017, 7:1
30	Al-Lawama M, Alammori I, Abdelghani T, Badran E . Oral Paracetamol versus oral Inuprifen for treatment of patent ductus arteriosus . <i>J Int Med Res</i> . 2018 Feb;46(2):811-818. doi: 10.1177/0300060517722698. Epub 2017 Sep 14.
31	Al-Lawama M Al-Rimawi E Al-Shibi R , Badran E . Adoption of the American Academy of Pediatrics' neonatal hyperbilirubinemia guidelines and its effect on blood exchange transfusion rate in a tertiary care center in Amman, Jordan. J Blood Med . 2018 Apr 13;9:61-66. doi: 10.2147/JBM.S162191. e Collection 2018.
32	Al-Khatib MS, Khyami-Horani H, Badran E , Shehabi AA. Incidence and characterization of diarrheal enterotoxins of fecal Bacillus cereus isolates associated with diarrhea. <i>Diagnostic microbiology and infectious disease</i> . 2007 Dec 1;59(4):383-7
33	Eman N. Abu-Khader , Eman F. Badran , and Asem A. Shehabi . Epidemiological Features of Clostridium difficile Colonizing the Intestine of Jordanian Infants Dec.2017. Int J Microbiol . 2017;2017:2692360. doi: 10.1155/2017/2692360. Epub 2017 Dec 20.
34	Eman F. Badran , Luay Al Nouri, Abeer Alassaf, Rola S. Saqan, Rasha Odeh. Determinants of male child circumcision in Jordan: a cohort study/ sue no. 12 of 2018 of the journal Gazzetta Medica Italiana - Archivio per le Scienze Mediche.
35	Albatineh SR , Badran EF ,Tayyem RF Dietary factors and their association with childhood obesity in the Middle East: A systematic review. Nutr Health . 2018 Oct 3:260106018803243. doi: 10.1177/0260106018803243. [Epub ahead of print]

36	Fareed Khdair-Ahmad, Tariq Aladily, Olfat Khdair-Ahmad, Eman F. Badran . Chelation therapy for secondary neonatal iron over load: Lessons learned from rhesus hemolytic disease. The Turkish Journal of Pediatrics 2018; 60: 335-339
37	Manar Al-lawama, Asma Almustafa, Ala Elrimawi, Amal Bani Mustafa, Suzan Almomani, Eman Badran . Varicella exposure in a low resource country neonatal care unit: successful prophylaxis with intravenous immunoglobulins. Iranian Journal of Neonatology IJN. 2019;10(1):31-4.DOI: 10.22038/ijn.2018.34426.1502 EID: 2-s2.0-85067252436 Part of ISBN: 23222158 22517510
38	Rasha A. Aldasouqi , Luay F. Abu-Qatouseh , Eman F. Badran ,Sameer A. Alhaj Mahmoud, Rula M. Darwish. Genetic Determinants of Resistance to Fusidic Acid Among Staphylococcus aureus Isolates in Jordan. Jundishapur Journal of Microbiology. 2019 Mar 1;12(3):1-6.DOI: 10.5812/jjm.86120 EID: 2-s2.0-85070218763 Part of ISBN: 20084161 20083645
39	Alaa J. AL Radaideh, Eman F. Badran , Asem A. Shehabi Diversity of toxin genotypes and antimicrobial susceptibility of Clostridium perfringens isolates from feces of infants. GERMS 2019 ,March:9(1) 28 - 34.. DOI: 10.18683/germs.2019.1154 EID: 2-s2.0-85079467638Part of ISBN: 2248299
40	Manar Al-lawama , Ala AlZaatreh, Rawan Elrajabi, Sultan Abdelhamid, Eman Badran . Prolonged Rupture of Membranes, Neonatal Outcomes and Management Guidelines. J Clin Med Res. 2019;11(5):360-366 doi: 10.14740/jocmr3809
41	Isam Bsisu, Alaa Aldalaeen, Rawan Elrajabi, Ala AlZaatreh, Rama Jadallah, Eman Badran , Manar Al-lawama. Short Term Outcomes of Neonates Born after Prolonged Premature Rupture of Membranes < 34 Weeks Gestation. Research in Health Science. Vol 4, No 2 . May (2019) DOI: 10.22158/rhs.v4n2p83 www.scholink.org/ojs/index.php/rhs
42	Albataineh SR, Badran EF , Tayyem RF. Overweight and obesity in childhood: Dietary, biochemical, inflammatory and lifestyle risk factors. Obesity Medicine. 2019 Sep 1;15:100112. DOI: 10.1016/j.obmed.2019.100112 EID: 2-s2.0-85066808597 Part of ISBN: 24518476
43	Albataineh SR, Badran EF , Tayyem RF. Dietary factors and their association with childhood obesity in the Middle East: A systematic review. Nutrition and health. 2019 Mar;25(1):53-60. DOI: 10.1177/0260106018803243 EID: 2-s2.0-85058635641Part of ISBN: 2047945X 02601060
44	Al-lawama M, Badran E , Ala' Elrimawi AB, Alkhatib H. Intravenous Immunoglobulins as Adjunct Treatment to Phototherapy in Isoimmune Hemolytic Disease of the Newborn: A Retrospective Case-Control Study. Journal of Clinical Medicine Research. 2019 Nov;11(11):760. doi: 10.14740/jocmr3809
45	Al-lawama M, Alrous HA, Alkhatib H, Alrafaeh A, Wakileh Z, Alawaisheh B, Saadeh A, Sharab J, Badran E , Albsoul-Younes A. Nutritional support of very low birth weight infants in a tertiary center in a developing country. Journal of clinical medicine research. 2019 Apr;11(4):283. doi: 10.14740/jocmr3797

46	Thekrallah F, Alnadi A, Almajalii A, Muhaidat N, Al-qatawneh A, Badran EF . Obstetrics and perinatal outcome of grand multiparity in Jordan: a case-control study. <i>Clinical and Experimental Obstetrics & Gynecology</i> . 2019 Apr 10;46(2):250-7. DOI: 10.5812/jjm.86120 EID: 2-s2.0-85070218763 <i>Part of</i> ISBN: 20084161 20083645
47	Badran E , Kamal W, Yaseen A, Abbad A, Al-Lawama M, Khair F, Momani H, Omari M. Esophageal Atresia: Associated Anomalies, Mortality, and Morbidity in Jordan. <i>Pediatrics International</i> . <i>Pediatrics International</i> Accepted journal-article DOI: 10.1111/ped.14311
48	Badran EF , Aldamiri NN, Shamasneh A, Braik LM, Allehdan SS, Tayyem RF. Influence of Online Sources and Social Networking Sites on Breastfeeding Rate and Practices in Jordan. <i>Pediatr Ther</i> . 2020;10(359):2161-0665. DOI: 10.35248/2161-0665.20.10.358
49	Badran EF , Jadcherla SR. The Enigma of Gastroesophageal reflux Disease among Convalescing Infants in the NICU: It is time to rethink. <i>International Journal of Pediatrics and Adolescent Medicine</i> . 2020 Mar 5. DOI: 10.1016/j.ijpam.2020.03.001 EID: 2-s2.0-85082838340 <i>Part of</i> ISBN: 23526467
50	Albaramki J, Al-lawama M, Jarra M, Alqaisi R, Jadallah R, Al-Mustafa A, Badran E , Akl K. Neonatal Urinary Tract Infection in a Tertiary Care Center in Amman, Jordan. <i>Iranian Journal of Neonatology IJN</i> . 2020;11(1):17-23. DOI: 10.22038/ijn.2019.41402.1681 EID: 2-s2.0-8507840425 <i>Part of</i> ISBN: 23222158
51	Sailik FM, Badran EF, Marrar B, Shehabi AA. Respiratory Carriage of Haemophilus influenzae Associated with Hib Vaccine in Jordanian Children. <i>Journal of Pediatric Infectious Diseases</i> . 2020 Aug 31.
52	BADRAN, Eman F ; SHEHABI, Asem A; KHANFAR, Malak A. Microbiology, diseases, and epidemiology of Kingella kingae in young children: A short review. The International Arabic Journal of Antimicrobial Agents , [S.l.], v. 10, n. 3, sep. 2020. ISSN 2174-9094. Available at: < http://imed.pub/ojs/index.php/IAJAA/article/view/2376 >. doi: http://dx.doi.org/10.3823/848 .
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