

الإبحاث العلمية التطبيقية المنشورة

د. مروة محسن :-

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- Molecular and serological techniques for the diagnosis of culture negative infective endocarditis in Alexandria Main University Hospital. Egyptian Heart Journal. 2012
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- Ahmed ElNawawy, Gala A. Ashraf, Manal A.M. Antonios, Marwa Ahmed Meheissen, Marwa M.R. Alalfy. Incidence of multidrug resistant organism among children admitted to pediatric intensive care unit in a developing country. *Microbial drug resistance* 2018; 24(8): 1198-1206.

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د. می محب الدین :-

- **Raouf M**, Essa S, El Achy S, Essawy M, Rafik S, Baddour M. Evaluation of Combined Ciprofloxacin and Azithromycin Free and Nano formulations to control Biofilm producing *Pseudomonas aeruginosa* isolated from burn wounds. *IJMM* 2021
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- **Raouf M.**, Ghazal T., Kassem M., Agamya A., Amer A. Surveillance of surgical-site infections and antimicrobial resistance patterns in a tertiary hospital in Alexandria, Egypt. *Journal of Infection in Developing Countries*, 2020, 14(3), pp. 277–283
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- Moustafa AA, **Raouf MM**, Eldawy MS. Bacterial healthcare associated Infections rates among Children admitted to the Pediatric Intensive Care Unit of a Tertiary Care Hospital, Egypt. *Alexandria Journal of Pediatrics*
- Ghoneim FM, **Raouf MM**, Elshaer NS, Abdelhamid SM, Noor Eldeen RA. Study of Patterns and Markers of Human Immune Deficiency Virus -1 (HIV-1) Progression and Unemployment Rate among Patients from Alexandria, Egypt. *Polish Journal of Microbiology* 2017, accepted on May 17, 2017 published Vol. 66, No 4, 519–527
- **Raouf MM**, Meheissen MA, Elmenshawy AM, Moustafa AA. Screening for extended-spectrum β -lactamases, AmpC and carbapenemases producing bacteria among adult and pediatric ICU patients in two university hospitals

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- Ragab M, Badawy M, **Raouf MM**, Elmasry M. Study of Microbial Contamination of the Anterior Chamber at the Beginning and at the Conclusion of Phacoemulsification. The Alexandria Medical Journal. 2015, 57(4)
- Moez P, Tayae E, **Raouf M**, Awad AT, Fadali G, Maghrabi H, Alhussini MA, Basha A, Elsharkawi S. Study Of Plasma Proteome Pattern Of Breast Cancer Using Matrix Assisted Laser Desorption/Ionization Time-Of-Flight (MALDI-TOF) Mass Spectrometry In A Cohort Of Egyptian Patients. Accepted in Egyptian J lab Med Febuary 2018.
- **Raouf M**, Ghoneim F, Aly H, Elkaffash D, Hanafy N, Zid A. Study of the Association Between Human Leukocytic Antigen (HLA) Class II Genotypes and Hepatitis C Virus Clearance. Alex Med J 2012; 52: 10-23
- Hafez S, Abdrabo A, Ali H, Hassan H, **Raouf M**. Detection of multidrug-resistant *Pseudomonas aeruginosa* isolated from the intensive care units of Alexandria university hospitals. N Egypt J Microbiol 2012; 33: 167-83.

Selected Publications

Conference / Journal	Publication Date	Publication Title	
American Journal of Infectious Diseases and Microbiology	March 2015	Characterization of some genotypic and phenotypic traits of biofilm producing clinical isolates of Methicillin Resistant Staphylococcus epidermidis	1
Journal of American Science	June 2010	Atypical bacteria in ventilator associated pneumonia ; an Egyptian University Hospital experience	2
Egyptian Journal of Medical Microbiology	April 2005	Association of Human Herpes Virus – (HHV – 6) with multiple sclerosis	3
Egyptian Journal of Medical Microbiology	October 2005	Rapid detection of neonatal sepsis using polymerase chain reaction	4
The15 th European Congress of Clinical Microbiology and Infectious Diseases – Copenhagen , Denmark	July 2004	Detection of gyr A gene mutations in quinolone – resistant clinical isolates of Pseudomonas aeruginosa	5
Egyptian Journal of Medical Microbiology	July 2004	Otitis media with effusion in children: Chlamydia pneumoniae detection and role of interleukin – 8	6
Egyptian Journal of Medical Microbiology	December 2002	Chlamydia pneumoniae infection and possible relationship to adult onset asthma	7
Egyptian Journal of Medical Microbiology	July 2001	DNA fingerprinting of Streptococcus pyogenes isolated from some Egyptian children in different clinical conditions	8
مجلة الاسكندرية لطب الاطفال	July 2001	Mycoplasma pneumoniae infection in non – asthmatic children with prolonged cough	9

- **Amira F Amer**, Soad A Zaki, Ahmed A Nagati, Mehat A Darwish. ."Hepatitis E antibodies in Egyptian adolescent females: Their prevalence and possible relevance". *J Egyptian Publ Health Assoc* 1996; LXXI (3,4): 273-84.
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- **Amira F Amer**, Ahmed Abd El-Atti, Hoda Youssef. "Prior infection with Chlamydia pneumoniae as a risk factor for development of coronary heart disease in Egyptian patients" *Egypt J Med Microbiol* 1998; 7(2).
- Soad M Aly, Hassan A El-Kinany, Hoda Y Atta, **Amira F Amer**, Nihad M Hassanein. "Study on the prevalence of Helicobacter pylori infection and its possible association with chronic diarrhea and malnutrition among children in Alexandria (Egypt)" *Alex J Pediatr* 1999; 13(1): 165-72.
- Ebtessam A Hamid, Ahmed Abd El-Atti, **Amira F Amer**, Osama H Roushdy. "Class I and II Major Histocompatibility antigens and cardiac abnormalities in psoriatic patients with or without arthritis" *Alex Med J* 1999; 41(1): 28-57.
- Iman M Marzouk, Ekram M Helmy, **Amira F Amer**, Ashraf Ayad. "Study of antibody titers in malnourished infants after three doses of hepatitis B vaccination." *Egypt J Med Microbiol* 2000; 9(3): 663-8.
- Soad A Zaki, Ezz E Saleh, **Amira F Amer**, Shewikar A Salam, Amr Abd El-Moeity. "Correlation between the presence of Hepatitis C virus antigen and serum RNA levels in cases with chronic Hepatitis C." *Egypt J Med Microbiol* 2001; 10(4): 801-8.
- Shwikar M Abdel Salam , Nahla A Kamel, **Amira F Amer** , Malaka F El-Moufty , Amr Abdel-Aziz , Sherif A Zaki "Study of C-myc oncogene in hepatocellular carcinoma" *Xenotransplantation* 2003 10(5):522
- **Amira F Amer**, Ezz E Saleh, Samar M El-Sheikh, Ahmed A Tantawy. "Human Papilloma virus and p53 over expression in carcinoma of the larynx" *Egypt J Med Microbiol* 2003; 12(2): 535-44.
- **Amira F Amer**, Amr Abd El-Moeity, Iman E. "Comparative study of virological and clinicopathological features of anti-hepatitis C virus-reactive patients with normal and elevated liver enzymes" *Egypt J Med Microbiol* 2003; 12(3): 619-30.
- Safaa A Amer, **Amira F Amer**, Salwa E Tayel, Amira A Nour El-Din, Sahar M Mourad. "Evaluation of a rapid assay for detection of Rifampicin resistance in Mycobacterium tuberculosis: A microbiological, clinical and epidemiological study." *Bull High Inst Public Health* 2003; 33(2): 209-20.
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- **Amira F Amer**, Malaka M El-Mofty, Iman A Hattata. "Chlamydia pneumoniae infection and possible relationship to adult onset asthma" *CHEST* 2005 Volume 128, Issue 4, Supplement, Page 147S
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- Maha Talaat, Tamer Saied, Amr Kandeel, Gehad A. Abo El-Ata, Amani El-Kholy, Soad Hafez, Ashraf Osman, Mohamed Abdel Razik, Ghada Ismail, Sherine El-Masry, Rami Galal, Mohamad Yehia, **Amira Amer**, and David P. Calfee "A Point Prevalence Survey of Antibiotic Use in 18 Hospitals in Egypt" *Antibiotics (Basel)*. 2014 Sep; 3(3): 450–460.

- **Amira F Amer**, Manal M. Baddour,1 Mohamed A. Elshazly, Gilan Fadally, Nesrine F. Hanafi, Sara L. Assar“ Study of prevalence and effects of Insulin resistance in patients with chronic hepatitis C genotype 4.” *Eastern Mediterranean Health Journal* 2016 Feb 1;21(11):803-10
- May Raouf, Thoraya Ghazal, Mohamed Kassem, Abdelfattah Agamya, **Amira Amer**. “Surveillance of surgical-site infections and antimicrobial resistance patterns in a tertiary hospital in Alexandria, Egypt” *The Journal of Infection in Developing Countries* 14 (03), 277-283

د فائقة غنيم :-

- Isolation and typing of Herpes simplex virus from 30 herpetic keratoconjunctivitis patients. J. Egypt pub l. health Assoc. vol. LVII no 1 ,2- 1982 .

2- Incidence of Herpes virus infection in Egypt. International Conference on human Herpes viruses. The Woodruff medical center, Emory University-Atlanta- Georgia 1980.

3- A preliminary study on female genital tract infection with HSV in Alexandria J. Egypt Pub l. Health Assoc. 1982.

4- Case report, Isolation of HSV-2 from Ocular and Genital lesions of a female patient in Alexandria . J. Egypt Pub l. Health Assoc. 1982 .

5-Trifluorothymidine in the treatment of Herpes simplex Keratitis. Bull .Ophthalmol Soc. Egypt. Vol. 74(1981) .

6-Rota virus detection in school aged children with diarrhea using the ELISA technique.J.Med.Res.Inst. Vo1.4 (1983).

7- The role of Cytomegalovirus (CMV) in Hepatitis of children using the ELIS technique. J. Egypt. Public Health Assoc. vol. LV III No 5,6 1983

8- The prevalence of Cytomegalovirus (CMV) infection in multitransfused children J. Egypt public Health Assoc. vo1. L IX, No 3,4 (1984).

9- Role virus infection among pregnant women and their newborn infants. J. Med . Res. Inst. vol (4) 1983.

10- Isolation of HSV and estimation of salivary Immunoglobulin A in children with primary herpetic gingivostomatitis. J. Med.Res.Inst.vol(5) 1984.

11- Isolation and typing of HSV isolates from cases of cervicitis and erosions at Mansoura. J. Med . Res. Inst. vol. (5) 1984.

12- Oral bacterial flora and isolation of HSV in children with primary herpetic gingivostomatitis . J.Med Res.Inst 1984.

13- Evaluation of the ELISA for the detection of HBs antigen and antibody in 200 multitransfused patients.J.egypt.Public Health Assoc.1982 .

14- Efficiency of some blood culture media in isolating enteric organisms from patients in Alexandria.IEA/Ent. Inf. Wp.No 7 (1978).

15- Virological evaluation of the multiple use system and water renovation at Alexandria Poultry processing plant (APPP). J.egyptpub.Health Assoc. 1982.

16- Bacteriological study of Oropharyngeal Flora before and after tonsillectomy .Bulletin if High institute of public health. Vol. XV INo.2 (1986).

17- Study of the Oropharyngeal bacterial flora in breast fed and bottle fed newborns and their mothers. Bulletin of the High institute of public health. Vol. XVI No.2 (1986).

18- The Antibody response to MMR vaccine in children with prior exposure to one of its components. J. of Egyptian public health association. Vol. LXI No. 1,2 (1986).

19- Detection of Antirubella antibodies in mentally retarded children using the Haemagglutination inhibition and Elisa techniques. J.MRI. vol.8 (1987).

20-The role of newly recognized bacterial pathogens in acute diarrheal disorders of children living in Alexandria. J. of the Egyptian public health assoc. vol. LXI No.5,6 (1986).

21- Virological and Epidemiological study of rotavirus infantile diarrhea .J.MRI. vol.10 (1989) .

22-Bacteriological and Mycological study in patients with prolonged intravenous catheterization.J.MRI. vol.8 (1987).

23- Human Leucocyte antigen specificities in recurrent herpetic Keratitis. J.MRI. vol. 8 (1987).

24- Association of some respiratory viruses to acute respiratory diseases in children . J. MRI. Vol.8 (1987).

25- Bacteraemia in acute Leukaemic patients . Bulletin Alexandria Faculty of Medicine. Vol. XXIII No1 (1987).

26- Report of a case of acquired immune deficiency syndrome with disseminated salmonellosis. J.MRI. vol. 9 No. 1 (1988).

27- Cryptococcus Neoformans as a cause of chronic meningitis in patients with AIDS. J. MRI. Vol. 9 No. 1 (1988) .

28- Prevalence of hepatitis B virus carriers and HIV carriers in blood donors in Lusaka . Oral presentation in the international conference on AIDS and other communicable diseases ARUSHA, TANZANIA (December 1989).

29- Detection of hepatitis B surface antigen in patients and staff of the Renal dialysis unit . J. MRI. Vol. 10 No.3 (1989) .

30- Prevalence of concurrent Chlamydia trachomatis infections among men with gonococcal urethritis in Lusaka. East African medical journal (1989) .

31- Screening for HBV and HIV as basis for work place precautions. International conference on Blood borne infections in the work place . Stockolm – Sweden (August 1989) .

32- Sero-epidemiological study of measles after 15 years of compulsory vaccination in Alexandria , Egypt. Eastern Mediterranean health journal, vol. 4. No. 3 , (1998).

33- Evaluation of In Vitro Antimicrobial Combinations Against Methicillin – Resistant Staphylococcus aureus (MRSA). Egyptian journal of medical microbiology . Vol.7 No. 3.4 (1998) .

34- Typing of multiresistant nosocomial isolates of *Pseudomonas aeruginosa* by sodium dodecylsulphate – polyacrylamide gel electrophoresis (SDS- PAGE) and their susceptibility to Trovafloxacin. Scientific j. of AL AZHAR medical faculty

(girls)vol.23 No.2 (may2002) .

35- CMV status in Alexandria renal transplant programme Laboratory – Clinical outcome. J. of medical microbiology (2006).

9th – meeting of middle east society for organ transplantation .(6-9 Dec.2004)

د. هدى عبد الهادى :-

PUBLICATIONS

1-**Hoda Abdel Hadi**, Karl G Wooldridge, Karen Robinson and Dlawer A. A. Ala'Aldeen. Identification and characterisation of APP: an immunogenic autotransporter protein of *Neisseria Meningitidis*. *Molecular Microbiology* (2001) 41(3),611-623.

2- **Hoda A-H Hassan** , Seif El Islam Nafiss, Malaka F El-Mofty ,Boussaina Z Massoud.Distribution of *papA* and *hylA* genes in uropathogenic *Escherichia coli* isolated in Alexandria. *EJMM*;2003:12(1)

3- Maha M El-Gharbawy , Malaka F El-Mofty , Hoda AH Hassan ,Mohammed SM El-Shenity , Azza MM Moursi.Detection of *gyr A* gene mutations in quinolone-resistant clinical isolates of *Pseudomonas aeruginosa*.*EJMM*;2004:13(3)

4- Sara M Abdel Hamid, **Hoda AH.Hassan**, Amina AM Nour El Din and Nancy Y Omar. Phenotypic and genotypic characterization of *Salmonella typhi* isolated from patients in Alexandria, Egypt. *EJMM*;2005:14(1)

5- Maysa A Amer, Sana H Barakat, Nahed M Baddour, **Hoda A H Hassan** ,Nahla A R Mahmoud. Evaluation of the diagnostic value of *Helicobacter pylori* fecal antigen detection test in children with symptomatic upper gastrointestinal tract infection: A comparative study. *EJMM*;2006:15(2)

6- Hala A R El Metwally, **Hoda A H Hassan**, Marwa N El-Athamna, Maysa A Amer . Multiplex PCR for detection of diarrheagenic Escherichia coli in Egyptian children. *Journal of medical sciences*, 2007;7:255-262

7- Osteopontin and C reactive protein in Egyptian patients affected with tuberculous and malignant pleural effusion Mohamed Y Elsammak, M, Tamer S Morsi, Hend I Khamis Mahmoud S Ragab, Moyassar A Zaki , Mona A Hassan and **Hoda AH Hassan**. *Annals of Clinical biochemistry*.2007;44:264-72.

8- **Hoda A H Hassan** · [M Shorman](#). Evaluation of the BD Gene Ohm MRSA and VRE assays as a rapid screening tools for detection of methicillin resistant staphylococcus aureus and Vancomycin resistant Enterococcus in a tertiary care hospital in Saudi Arabia, *International Journal of Microbiology*, 2011; Article ID 861514

9- Elsammak MY, Attia A, **Hassan HA**, Zaytoun TM, Shorman M, Suleman M. Evaluation of pleural fluid human epididymis 4 (HE4) as a marker of malignant pleural effusion. *Tumour Biol*. 2012;33:1701-7.

10- **H Hassan** · [A Attia](#) · [H Raslan](#) · [M Shorman](#) · [T Zaytoun](#) · [M Elsammak](#) Prognostic value of urokinase plasminogen activator receptor (uPAR) and neutrophil CD64 expression in acute respiratory distress syndrome patients. *European Journal of Inflammation*, 2012; 10(2): 175-184.

11- Khalid A. Al-Anazi , Hani AlHashmi, Baha Abdalhamid, Waleed AlSelwi, **Mohammed AlSayegh**, Abdullah Alzayed, Zeyad Alshibani, Abdulkareem AlGarni, Adel Al-Ghanem, **Hoda Hassan** and Ahmed AlSagheir. Roseomonas Bacteremia in a Recipient of an Allogeneic Hematopoietic Stem Cell Transplantation. Accepted for publication in *Transplant infectious diseases*. *Transplant Infectious Disease* 06/2013; DOI:10.1111/tid.12100

12- Soad Hafez, Asem Abdel Razek, Hala Abdel Salam, **Hoda A H Hassan** and May Moheb. Detection of multidrug-resistant pseudomonas aeruginosa isolated from the intensive care units of Alexandria University Hospital. New Egyptian Journal of Microbiology, 2012; 33: 167-183.

13- **Hassan, Hoda Abdel Hadi**; Shorman, Mahmoud; Housawi, Abdel Rahman E. I.; Elsammak, Mohamed Y. Detection of latent tuberculosis infection prior to kidney transplantation in a tertiary hospital in Saudi Arabia: comparison of the T-SPOT.TB Test and tuberculin test. British Microbiology Research Journal, 2013; 3 (2): 116-127.

14- Abdalhamid B, **Hassan H**, Itbaileh A, Shorman M. Characterization of Carbapenem resistant Acinetobacter baumannii clinical isolates in tertiary hospital in Saudi Arabia. The new Microbiologica 2014, 37(1):65-73

15- **Hassan H**, Abdalhamid B. Molecular characterization of extended-spectrum β -Lactamase producing Enterobacteriaceae in a tertiary hospital in eastern province, Saudi Arabia. J Infect Dev Ctries. 2014 Mar 13;8(3):282-8. doi: 10.3855/jidc.3809

16-Reem Aljindan, Nasreldin Hussein, Hala Khoudair, Alaa Shaikh, Hoda Hassan, Nawar Alabdulqader, Mahmoud Shorman, Baha Abdalhamid. First description of plasmid mediated quinolone resistance genes in Salmonella isolates from Saudi hospitals. Saudi Med J. 2018 39 (7): 179-8

COURSES/CONFERENCES

1-2nd Infection Prevention and Control Symposium Program. Dammam, Kingdom of Saudi Arabia. 2008

2-3rd Infection Prevention and Control Symposium Program. Dammam, Kingdom of Saudi Arabia. 2009

3-Annual Meeting Of The European Society Of Clinical Microbiology And Infectious Diseases (ECCMID/ICC), Helsinki, 16–19 May 2009

4-A course on the identification of pathogenic fungi. Health protection agency mycology reference laboratory, Bristol 29 June-2 July 2009

5-4th International symposium on Infection Prevention and Control. Dammam, Kingdom of Saudi Arabia. 16-17 March 2010

6-1st KFSH-D International symposium on infections in immunocompromized cancer patients. Dammam, Kingdom of Saudi Arabia. 18 March 2010

7-Verification and validation of procedures in the clinical microbiology laboratory workshop, San Diego, May 2010

8-General Meeting of the American Society of Microbiology, San Diego, May 2010

9-Good clinical practice course. King Fahad specialist Hospital- Dammam- Saudi Arabia, 7-8 December 2010

10-21st European Congress of Clinical Microbiology and Infectious Diseases (ECCMID) and 27th International Congress of Chemotherapy (ICC), Milano, 7-10 May 2011

11-Interscience Conference on Antimicrobial Agents & Chemotherapy medical conference (ICAAC), Chicago, 17-20 September 2011

12- First workshop on medical microbiology at University of Dammam. February, 2012

13-23rd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID) and 27th International Congress of Chemotherapy (ICC), Berlin, Germany 27-30 April 2013

14- 21st Conference on Retroviruses and Opportunistic Infections (CROI 2014), Boston USA, 3rd-6th March 2014

15-Antimicrobial stewardship program difficult to treat infections conference, Arab society of infectious diseases and antimicrobials, Ain Shams University, Cairo 15th-16th April 2018

16-Workshop on CLSI guideline (AST) 2018 updates. 8th of May 2018

17- Antibiotic resistance: No action today, No cure tomorrow, The Egyptian society of infection control, Alexandria Committee Scientific Day, 19th March 2018

18-Clinico-microbiologic management of a patient with sepsis. Microbiology & Immunology department Alexandria University 9th of May 2018

19- Hand In Hand Combatting Antimicrobial resistance. Third Annual conference of Clinical pharmacology Department. Convention centre Faculty of Medicine Alexandria University 17 April 2019.

20- Clinicomicrobiological management of pulmonary infections.. Convention center. Faculty of medicine Alexandria Egypt. 13th of June 2019

21- Empact microbiology congress; Sharing knowledge, Advancing care. Pfizer Inc Cairo Marriott hotel 9th November 2019

22- Second international hematology forum, Hematology unit, Faculty of medicine
Mediterranean Azur hotel 20-22 November 2019

د. هدير عكاشه :-

• **PUBLICATIONS**

- Electronic Learning And High Technology Education Versus Traditional Face To Face One ; 3 Years Experience (2010-2012) In Alexandria Faculty Of Medicine, Egypt Radwan AS, Fathy H, Okasha HS, Elkhoully EH, Hamed NA, Morsi MG. Life Science Journal 2012;9(2s)
- Quantitative Estimation Of Interleukin-17 In Patients With Chronic Liver Disorders Ghazy NA, Okasha HS, El Khoully EH, Abdelsalam SM, Morsi MG. Life Science Journal 2012;9(1s)
- Master Degree Thesis: Molecular Detection Of Isoniazid And Rifampicin Resistant Mycobacterium Tuberculosis. 2005
- Doctor Degree thesis: Molecular Characterisation Of Rifampicin And Isoniazid Resistant Mycobacterium Tuberculosis Isolated From New Pulmonary Cases In Alexandria 2009

Co-supervised on the following:

- Master Degree thesis: Characterization of Burkholderia strains isolated from Alexandria University Hospital 2012
- Master Degree thesis: Correlation Of Interleukin-31 Serum Levels With Staphylococcal Colonization In Paediatric Atopic Dermatitis 2013
- Master Degree thesis: Prognostic Role Of Hepcidin Level In Chronic Hepatitis C Virus Patients On Interferon Therapy 2013

On going:

- Study of multidrug resistant and extensively drug resistant tuberculosis incidence, presentation and outcome in El Maamoura chest hospital in Alexandria
- Evaluation of different laboratory methods for rapid diagnosis of tuberculous pleurisy

د. بثينة مسعود :-

المشاركون بالبحث و تخصصاتهم	جهة النشر (اسم المؤتمر/المجلة)	تاريخ النشر	عنوان البحث باللغة الانجليزية	عدد
4 مشاركين الترتيب بين المشاركين (1)	مجلة علمية محلية EJMM	يناير 2007	Characterization of Uropathogenic E. Coli strains isolated from community acquired and hospital acquired infection in Alexandria	1
4 مشاركين الترتيب بين المشاركين (2)	مجلة علمية محلية EJMM	يناير 2006	Evaluation of prognostic value of adhesion molecules in septic critically ill patients	2
5 مشاركين الترتيب بين المشاركين (5)	مجلة علمية محلية Egyptian journal of medical microbiology	أكتوبر 2003	Distribution of pap A and hly Genes in uropathogenic Escherichia E coli isolated in Alexandria	3
3 مشاركين الترتيب بين المشاركين (1)	مجلة علمية دولية Spanish journal of chemotherapy	مايو 2000	Antimicrobial resistance of uropathogens in Alexandria	4
5 مشاركين الترتيب بين المشاركين (1)	مجلة علمية محلية EJMM	يناير 2000	Evaluation of polymerase chain reaction on peripheral blood mononuclear cells in the diagnosis of pulmonary tuberculosis	5
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