

**Prof. Abdulhamid M. Alkout**

**Medical Lab Technology**

**Faculty of Medical Technology, University of Tripoli,**

**Tripoli -Libya**

<b>Name</b>	<b>Prof. Abdulhamid M. Alkout</b>
<b>Date of Birth</b>	<b>13th. Feb. 1964</b>
<b>Nationality</b>	<b>Libyan</b>
<b>Sex</b>	<b>Male</b>
<b>Marital Status</b>	<b>Married</b>
<b>Home Address</b>	<b>Aldahra , Tripoli, Libya, P.O.Box 4483</b>
	<b>tel. 00218 91 375 3493      <a href="mailto:Dr_Alkout@yahoo.com">Dr_Alkout@yahoo.com</a></b>
	<b><a href="mailto:Dr.Alkout@gmail.com">Dr.Alkout@gmail.com</a></b>

### **Education and Qualifications**

**1981 - 84                      Higher Institute of Technology, Brack , Libya.**

B.Sc. degree in Medical Lab. Technology.

**1993 - 97                      Medical School, University of Edinburgh, Scotland, UK**

Ph.D. degree in Medical Microbiology – Infection and Immunity

**2010                      Certificate from London School of Economics and Political Science**

Successfully completed the Executive Course, Public Management, Leadership and Change designed for the National Economic Development Board of Libya. The programs covers the Introduction to Public Administration, Microeconomics, Macroeconomics, Budgets and Debt, Regulation and Law, Public Sector Strategy, Communicating Change, Presentation skills, Risk Management, Negotiation, Implementing Projects and Delivering Change in the Public Sector, Developing your Leadership Style, Adopting a Strategic Approach, Network Platforms; expanding to World Wide Market, Leadership in Uncertain Times and Innovation

**2012 Leadership Certification:** leadership foundation for Higher Education course supervised by Libyan Ministry of High Education and British Council

**2013 Career Guidance Certification :** Course of career guidance policy and practice : a strategic tool for planners and decision makers in employment, Education and Training – organized by International Training Center ILO – Turin - Italy

### **Teaching 2000 – to present**

I am professor at University of Tripoli, Faculty of Medical Technology, department of Medical Lab Technology, teaching Immunology and serology to third year students and I was the head of General public health department and Research Supervisor of Master degree student at Libyan Academy of graduate studies

### **1993 – 2000**

During my postdoctoral and Ph.D. study, I was a demonstrator in a Infection and Immunity lab assisting in the practical teaching and supervisor's students in Medical Microbiology with their B.Sc. projects.

## **Employment and work experience;**

**2014 to present :** professor and Vice Dean for Scientific Affairs, faculty of Medical Technology, University of Tripoli

**2012 to 2014 :** Director of International Cooperation Bureau at National Board of Technical and Vocational Education – this office is responsible for the necessary contacts with local, regional and international organizations and to express an opinion about the memorandum of understanding and the minutes of the agreement and education and training

**2010 to 2012 :** Head of department of Higher institutes of Medical Technology at National Board of Technical and Vocational Education and General Director of Higher institute of Medical Technology – Abosleem / Tripoli

**2000 to 2010 :** lecturer at university of Tripoli , Faculty of Medical Technology , department of Medical Lab Technology , teaching Immunology and serology to third year students and I was the head of General public health department

Research Supervisor of Master degree student at Academy of graduate studies

### **2000 – 2006 :**

I had the opportunity to get involved for opening Abosleem trauma Hospital / Tripoli and I was the head of laboratory and blood bank department dealing with routine diagnostic investigation for accident and emergency cases

### **1997 - 2000**

I was working as postdoctoral research fellow in department of Medical Microbiology, Medical School, University of Edinburgh. I gained extensive experience in ELISA, MIF, tissue culture, detection of inflammatory responses, PCR techniques and in extracting DNA methods included using QIAamp viral RNA test Kit using BioRobot 9604.

### **1993 - 97 Ph.D. degree in Medical Microbiology ( infection and immunity )**

My Ph.D. title is ‘Genetic and environmental factors associated with *Helicobacter pylori* and peptic ulcer disease. I gained experience in Statistical methods, Flow cytometry, Electrophoresis, tissue culture, bacterial binding study and detection of inflammatory responses and I gained invaluable computing experience. I have developed the method for direct attachment of blood group antigens to whole bacteria and the method for isolating the purified adhesin.

### **1984 - 93 Algalla Teaching Hospital, Tripoli, Libya**

#### **Technologist and demonstrator at Diagnostic Laboratory;**

I was working every day in addition to night duty twice a week involving a wide range of clinical chemistry, Microbiology, Serology, Hematology, Immunohematology and being quite familiar with manual and processed procedures.

### **Additional appointments:**

**2013 To present** Head of Diagnostic Laboratory at Albaraa Hospital, Tripoli - Libya  
Albaraa Hospital

**1989 -1992** Part time technologist in laboratory at Andier hospital, Tripoli - Libya  
Andier Hospital is a private institution funded by different international companies

### **Scientific research published in international journals**

**1 - Alkout AH**, Blackwell CC, Weir DM et al (1995). Binding of biotinylated blood group antigens to isolates of *Helicobacter pylori* with reference to disease, blood group and secretor status. *Gut* 37 (Supplement 1) : A22.

**2 - Alkout AH**, Blackwell CC, Weir DM et al (1995). Identification of surface components of *Helicobacter pylori* that bind to the H type 2 (group O) and Lewis blood group antigens. *Gut* 37 (Supplement 1) : A21.

**3 - Blackwell CC, Weir DM, Alkout AM, Saadi A, Essery SD, El Ahmer O, Mackenzie A, Raza M, James V and Busuttil A.** Bacterial infection and blood group phenotype. *Nova Acta Leopoldina* NF 75, Nr. 301, 67 - 88. 1997.

**4 -Alkout AM**, Blackwell CC, Weir DM, Luman W and Palmer K. Adhesins of *Helicobacter pylori* that bind H type 2 and Lewis blood group antigens: an explanation of increased susceptibility of blood group O and Non-secretors to peptic ulcers. *Toward Anti-adhesin Therapy of Microbial Diseases*. 267 - 269 New York; Plenum Press 1996.

**5 - Alkout AM**, Blackwell CC, Weir DM, Poxton IR, Elton RA, Luman W and Palmer K. Isolation of a cell surface component off *Helicobacter pylori* that binds H type 2, Lewis<sup>a</sup>, and Lewis<sup>b</sup> antigens. *Gastroenterology*. 1997; 112: 1179 - 1187.

**6 - Blackwell, C.C., Saadi, A.T., Essery, S.D., Raza, M.W., Zorgani, A.A., El-Ahmer, O.R., Alkout, A.H., James, V.S., MacKenzie, D.A.C., Weir, D.M., and Busuttil, A.** Adhesins of *Staphylococcus aureus* that bind Lewis<sup>a</sup> antigen: Relationship to Sudden Infant Death Syndrome. In Ofek, I and Kahane, I. (Eds.) *Toward Anti-adhesin Therapy of Microbial Diseases*. 95-105 New York; Plenum Press 1996

**7 - Luman W, Alkout AM**, Blackwell CC, Weir DM and Palmer KR. *Helicobacter pylori* in the mouth-negative isolation from dental plaque and saliva. *European Journal of Gastroenterology and Hepatology*. 1996; 8: 11- -14.

**8 - Saadi A.T, Essery S.D, Raza M.W, ElAhmer O.R, Alkout A.H, Blackwell C.C, Weir D.M, Busuttil A.** Adhesins of *Staphylococcus aureus* that bind Lewis<sup>a</sup> antigen relationship to sudden infant death syndrome. *Toward anti-Adhesin Therapy of Microbial Diseases*. 1996 Bat-Sheva Seminar. Zichron Yaakov, Israel. pp 62-63.

- 9 - Abdulhamid M. Alkout**, Eleanor J. Ramsey, C.Caroline Blackwell, Doris A.C. MacKenzie, Donald M.Weir, Alastair Bentley and Anthony Busuttil. Quantitative assessment of IgG antibodies to *Helicobacter pylori* and outcome of Ischaemic Heart Disease.(FEMS Immunology and Medical Microbiology 29 (2000) 271 – 274)
- 10 – Abdulhamid M. Alkout**, C.Caroline Blackwell and Donald M.Weir, Increased Inflammatory Responses of blood group O to *H. pylori*. The Journal of Infectious Diseases, Vol.181, No. 4 Apr., 2000 pp. 1364 – 1369.
- 11 – C .Caroline Blackwell**, Stephanie Dundas, Valerie S. James, Doris A. C. Mackenzie, Jan M. Braun, **Abdulhamid M. Alkout**, W.T. Anrew Todd, Robert A. Elton and Donald M.Weir, Blood Group and Susceptibility to Disease Caused by *Escherichia Coli* O157. The Journal of Infectious Diseases, Vol.185, No. 3 Feb. 1, 2002 pp. 393 – 396.
- 12 - Abdulhamid M. Alkout**, C.Caroline Blackwell, Donald M.Weir, The inflammatory Responses to *H. pylori* in relation to ABO blood group and disease. ( Jamahiriya Medical Journal, vol.3., No.2, September 2004)
- 13 - Blackwell, C.C., Weir, D.M., Abdulhamid M. Alkout., El-Ahmer, O.R., ., MacKenzie, D.A.C., James, V.S., J. Mathias Braun., Osama M. Almadani and Anthony Busuttil.,** Blood group phenotypes and infectious diseases; ed Richard Bellony; susceptibility to infectious diseases. The importance of host genetics. Cambridge university press 2004; pp 309 – 336.
- 14 - Abdulhamid M. Alkout**, Abdulaziz zorgani, C.Caroline Blackwell, Donald M.Weir. Whole cell ELISA for detection of *Helicobacter pylori* antibodies with reference to peptic ulcers. (The Libyan journal of infection Disease, vol.1., No.1 2006)
- 15 - Abdulaziz Zorgani, Abdulhamid M. Alkout**, Reida Franka, Mustaf Zaidi. Candidemia in a burn intensive care unit, a six –years analysis; (The Libyan journal of infectious diseases; vol.1, No.2, July – 2007;103 – 109).
- 16 - Caroline Blackwell, Abduaziz Zorgani, Abdulhamid Alkout**, Omer El Ahmer. Infection, ethnic groups and sudden infant death syndrome: Explaining the risk factors. Vol.2, No.1, Jan 2008. 1 – 9.
- 17 – Najla F. Elmagri, Abdulhamid Alkout**, and Mahmoud El Hamidi. Minor Blood Group Antigen and Their Effects on Blood Transfusion in Libyan Population: Menoufiya Medical journal. (2009) Vol. 22 No:2: P 35 – 40.
- 18 – Tarek Albashir Alnakuaa, Abdulhamid Alkout**, Samia Albokari and Mahmoud Elhammidy. Streptococcus Agalactiae in Pregnant Women and Susceptibility to Some Antibiotics: Menoufiya Medical journal. (2009) Vol. 22 No:2: P 29 – 34.
- 19 – Heyam Younis Abello, Abdulhamid Alkout**, Abdulla Bashin, Faten Laswad, Abdulfatah Ben Shaban, Abdulla Aborois, Ahmed Bady and Caroline Blackwell. *VacA* Genotype of *H.pylori* and

it's Relation to Antibiotics Resistance Among Libyan Patients: Menoufiya Medical journal. (2009) Vol. 22 No:2: P 23 – 28.

**20 - Abdulhamid Alkout**, Abdulaziz Zorgani, Heyam Y. Abello. Prevalence of Bacterial infection among hospital Traumatic patients in relation to ABO blood group, Journal of Biomedical sciences (2013) vol.2 No 22 P 1 – 4

**21 - Ali Madou, Abdulhamid Alkout**, Stefano Vanin : First Evaluation of the Serum Level of Anti-hepatitis B Surface Antigen after Hepatitis B Vaccination at Birth in Libya: Eastern Mediterranean Health Journal ( 2013).Vol. 19 No. 12. P 990 – 994

**22 - Elsaid M. M. A., Azbedah A. G., Dia Eddin E. EL-Alem and Alkout A.** The prevalence of *Toxoplasma gondii* infection in psychiatric patients in Tripoli, Libya., Journal of American Science 2014;10(5)

**23 - Khalifa AA Fatnasa, Alaa Othman Harb and Abdalhamed M Alkout.,** Urinary Tract Infection In Sobrata, Algmel Cities In Libya 2013., Clinical Microbiology., 2014 3:5

24 – Tasneem Alkout and **Abdulhamid Alkout.,** ABO blood group among Coronavirus disease 2019 patients. Iberoam J Med, 2020, vol 2, n4, p 268 -274.

25- Esraa Rashed, Tasneem Alkout, Saja Eltony, Osama Eltekbali and **Abdulhamid Alkout.,** The effects of red blood cells parameters on HbA1C and random blood sugar levels in diabetics diagnosis. Int. J. diabetes Clin. Res. 2020, 7:128., Volume 7. Issue 3.

26 – Tasneem Alkout and **Abdulhamid Alkout.** The impact and effectiveness of new coronavirus vaccine on disease outcome worldwide. Iberoam J Med. 2021., col3, n4, p. 332 - 340.

27-

#### **Conferences and scientific posters:**

**VIIIth International workshop on Gastroduodenal pathology and *Helicobacter pylori*. Heriot-Watt University, Edinburgh, Scotland, July 7 - 9 1995.**

1 - Identification of surface components of *H. pylori* that bind H type 2 and Lewis blood group antigens

2 - Binding of biotinylated blood group antigens to isolates of *H. pylori* with reference to disease, blood group and secretor status.

**136th meeting of Society of General Microbiology, University of Reading, Reading, Jan. 1997.**

1 - Inflammatory response to *Helicobacter pylori* relation ABO blood group

2 - A Comparison of IgG antibodies to *Helicobacter pylori* in sera of individuals with and without ischaemic heart disease

**Xth international workshop on Gastroduodenal pathology and *Helicobacter pylori*. Lisbon, Portugal, 12 Sep. 1997.**

Inflammatory response to *Helicobacter pylori* relation ABO blood group

**The changing mucosal flora and disease, International Symposium, PHLS central public health laboratory, London, UK, 6 - 7th April 1998**

1 - The inflammatory responses of humans to *Helicobacter pylori* antigens in relation to ABO blood groups.

2 - Quantitative assessment of IgG antibodies to *Helicobacter pylori* and outcome of Ischaemic Heart Disease.

**4 the meeting of Libyan Medical Laboratory staff 2005 for development of blood bank service at Libyan Hospitals**

– I was the scientific chairman of the conference and my presentation was the Screening of minor blood group antigen reduced the blood transfusion incompatibility for trauma patient

**Medical Technology Derna – Libya, July 2010**

- I was the scientific chairman of the conference and my presentation was The quality assurance and quality control of Blood bank equipments

**Referees:**

**Dr. C.C.Blackwell    PhD, MRCPPath, DSc, Senior Lecturer)**

Medical Microbiology Dept.

Medical School, University of Edinburgh

Teviot Place, Edinburgh

[c\\_c\\_blackwell@hotmail.com](mailto:c_c_blackwell@hotmail.com)

[caroline.blackwell@newcastle.edu.au](mailto:caroline.blackwell@newcastle.edu.au)

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