

CURRICULUM VITAE

Hussein Zeid Farhat, M.D.
Acting Chair of Lab Medicine Department

Specialty: Lab Medicine

Subspecialties: Hematopathology / Nuclear Medicine in vitro

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D.O.B 14 March 1962

Nationalities: Lebanese, Belgian

Marital Status: Married

No. of Dependents: 4

Languages

- Arabic
- French
- English

Education

1979 Lebanese Baccalaureate, Branch: Mathematics, Beirut

1986 MD (Medicine/Surgery/Delivery), Liege University (ULG), Belgium

1990 Certificate of Lab. Medicine specialist (Biochemistry, Hematology, Microbiology), (ULG)

1994 Certificate of Nuclear Medicine in vitro, (ULG)

Professional History

(Residency and Fellowship, Specialist Experience)

1982-86	First technician in Emergency lab, CHU, LIEGE, Belgium.
10/86 -12/86	Analytical chemistry laboratory, CHU, Institute of Pharmacy in LIEGE, Belgium.
01/87-09/87	Medical chemistry laboratory, C.H.U LIEGE, Belgium.
10/87-12/87	Laboratory of Immuno-hematology, transfusion center of LIEGE, Belgium.
01/88-06/88	Laboratory of medical Bacteriology, C.H.U., LIEGE, Belgium
07/88-12/88	Laboratory of Hematology, C.H.U., LIEGE, Belgium.
01/89-04/89	Emergency Laboratory C.H.U., LIEGE, Belgium.
05/89-03/90	Laboratory of CHU – LIEGE, Belgium.
04/90-09/90	Laboratory of St ODE Hospital.
10/90-09/91	Laboratory of CHU LIEGE, Belgium.
10/91-09/92	Biochemistry and RIA laboratory, C.H.U – LIEGE, Belgium.
10/92-12/98	Director of Hematology Laboratory, C.H.R. – LIEGE, Belgium.
01/99-06/09	Head department of laboratories in DR. RIZK'S Hospital, BEIRUT, Lebanon

Board Certification

Belgian Board (Lab Medicine) 1994

Professional Licenses

Belgian (Member of Belgian Order of Physicians) 1986

Belgian (Lab Medicine Specialist) 1994

Lebanese (Member of Lebanese Order of Physicians) 1994

Lebanese (Lab Medicine and Blood Transfusion Specialist) 1999

Membership in Professional Societies

2003 Lebanese Society of Hematology and Blood Bank

1994 Lebanese order of physicians

2017 European Hematology Association

Clinical skills

- Polyvalent professional experience acquired in great university hospitals (10 years in CHU of LIEGE-700 beds, 7 years in CHR –Citadelle- LIEGE - 1100 beds, 10 years in Dr. RIZK'S Hospital - BEIRUT)

- Specific skills in Hematopathology:

- Cytology of hematopoietic tissues (blood, bone marrow, lymph node Cytology)
- Flow Cytometry applied in Hematology

Professional and Academic Achievements:

1- Development of the Lab Department and implementation of new technologies:

- Significant increase of the lab productivity (38% of income growth from 2011 to 2015)

• Development of referral laboratory in hematology, flow cytometry, molecular diagnosis and diagnostic bacteriology offering a large number of tests with a wide coverage of various fields

• Lab management according to accreditation and ISO 9001 norms:

Quality management within the lab based on ISO standards:

• Well-structured documentation

• Ongoing registry of non-conform activities and of corrective measures

• Regular analysis of statistical data

• Leading specific lab and transfusion committees responsible of analyzing inherent problems and identifying potential solutions and providing recommendations.

- Implementation of the multiparametric flow cytometry technology in our lab that is considered as a national and regional referral center for hematopathology diagnosis

- Implementation of a new lab software aiming to improve the monitoring of lab activities as well as the services offered by the department

2- Participation in different hospital committees

- Medical Board
- Blood transfusion committee
- Academic council

3- Active participation in different educational meetings and scientific activities including:

- Hematology rounds
- Periodic video conferences established in collaboration with the Department of Hematology & Oncology at the University of Emory USA
- Lectures (Med I, III, IV students and residents)
- Mortality morbidity meetings
- Discussion of medical/ clinical cases presented at Internal Medicine and Pediatric regular meetings

4- Supervision of different student's thesis at the Lebanese University

- 2009 Application of flow cytometry in diagnosis of leukemia
- 2006 Indices Erythrocytaires chez les dialysés
- 2004 Leucémies aigues : Corrélation entre immunophénotypage et cytologie

5- Promotion of educational and research activities within the Lab department in collaboration with other Departments and involvement of Med students and Residents

Participation in International scientific meetings and presentations:

- EHA (European Hematology Association)TUTORIAL -Pediatric Hematology-(Rome Feb 2014) : Two submitted cases have been peer reviewed and accepted to be uploaded to the EHA Website:
- Case of severe anemia due to a B19 Parvovirus infection with associated pure red cell aplasia and concomitant autoimmune hemolytic anemia (Dr Ahmad Sweid& Dr Hussein Farhat).
- Case of acquired hemoglobinopathy in the context of a juvenile myelomonocytic leukemia (Dr Farah Al Shaer & Dr Hussein Farhat)
- Well tolerated maternal vitamin B12 deficiency inducing severe illness in a breastfed infant (Pia Maalouf MD.,Nada Sbeiti MD., Hussein Farhat MD.)
- Case presented at the Greek Pediatric Conference (Athens September 2015)by Pia Maalouf Pediatric Resident PGY1 LAUMC-RH.
- Invited as the reference Lebanese hematopathologist to participate in the Myeloproliferative Neoplasm Pathology- Education Workshop at the University Hospital of Frankfurt (April 2016)
- EHA-SWG Meeting on Rare Lymphomas in Barcelona (March 2017).
- EHA-SWG Meeting on laboratory management of cytopenia and leukocytosis in Barcelona (February 2018)

6- Publications in peer reviewed journals:

- **A novel homozygous RTEL1 variant in a consanguineous Lebanese family: phenotypic heterogeneity and disease anticipation**

Human Genetics, November 2019

Fernanda Gutierrez- Rodrigues¹ · Nohad Masri² · Eliane Chouery³ · Carrie Diamond¹ · Nadine Jalkh³ · Alana Vicente¹ · Sachiko Kajigaya¹ · Fayez Abillama² · Noha Bejjani² · Wassim Serhal² · Rodrigo T. Calado⁴ · Neal S. Young¹ ·

Hussein Farhat² · Marie Louise Coussa²

Received: 2 July 2019 / Accepted: 22 October 2019

Fernanda Gutierrez-Rodrigues, Nohad Masri and Eliane Chouery are joint first co-authors.

Neal S. Young, Hussein Farhat and Marie Louise Coussa are joint last co-authors.

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³ Unité de Génétique Médicale, Faculty of Medicine, Saint Joseph University, Beirut, Lebanon

⁴ Department of Medical Imaging, Hematology, and Clinical Oncology, University of São Paulo, Ribeirão Preto, SP, Brazil

- **Macrophage activation syndrome: Unusual presentation of systemic lupus erythematosus.**

Abdul Karim El Karaoui, Medical Student 4th Year, Hussein Farhat, MD Laboratory Medicine Chairman Department, LAU Gilbert and Rose-Marie Chagoury School of Medicine, LAUMC RH Ashra'yeh Beirut, Lebanon

Date published: 18/11/2019

Website of the British Society of Hematology

- **Unusual histiocytes in a pleural effusion: signature of a rare disease**

Christelle El Khoury and Hussein Farhat, Lebanese American University Medical Center

Blood, July 2019

- **Ongoing Issues with the Management of Children with Constitutional Mismatch Repair Deficiency Syndrome**

Corresponding author: Dr Roula Farah

Listed co-author(s): Dr Brittany Campbell, Dr Carol Durno, Dr Nassim Abi-Chahine, Dr Farid Maalouf, Dr Hussein Farhat, Professor Eric Bouffet, Dr Melyssa Aronson, Dr Nataliya Zhukova, Dr. Uri Tabori, Dr Cynthia Hawkins

EJMG, Eur J Med Genet. 2019.

- **Severe acute anemia attributable to concomitant occurrence of AIHA with PRCA induced by parvovirus B19 infection.**

El Khoury C, Farhat H.

Blood. 2018 Mar 22;131(12):1388. doi: 10.1182/blood-2017-11-817908

- **Composite Hodgkin and Non-Hodgkin Lymphomas: Report of Two Cases with Unusual Presentations**

Rami Nassabein¹, Siham Fleifel², Noha Bejjani², Hady Ghanem¹, Dany Abi Gerges¹, Roland De Wind^{3*}, Wassim Serhal⁴ and Hussein Z Farhat⁴

J Blood Lymph 2017, Vol 7(4): 180 DOI: 10.4172/2165-7831.1000180

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*Corresponding Author: Roland De Wind, Department of Pathology, Institute of Julet Bordet, Belgium, Tel: 009613064454, Email: roland.dewind@bordet.be

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Nov 15, 2017

- **Severe Cholestasis and Bile Cast Nephropathy induced by anabolic steroids successfully treated with plasma exchange**

Christelle El Khoury, MD¹, Toni Sabbouh, MD², Hussein Z Farhat, MD³, Antoine Ferzli, MD⁴

¹Family Medicine Division, Lebanese American University Medical Center, Beirut, Lebanon

²Internal Medicine Division, Morristown Medical Center, Morristown, New Jersey, United States of America

³Laboratory Medicine Division, Lebanese American University Medical Center, Beirut, Lebanon

⁴Gastroenterology Division, Lebanese American University Medical Center, Beirut, Lebanon

Dec 2017- **Case Reports in Medicine**

- **Original Article A nationwide non-interventional epidemiological data registry on myelodysplastic syndromes in Lebanon**
 Zaher K Otrouk · Nabil Chamseddine · Ziad M Salem · [...] · Hussein Z Farhat
 · Dec 2015 · **American Journal of Blood Research**

- **Disseminated Gastric MALT Lymphoma with Monoclonal Gammopathy, t(11;18) (q21;q21), and Subsequent Development of T-Large Granular Lymphocytic Leukemia: A Case Report and Review of the Literature**
 Riad Akoum · Wassim Serhal · Hussein Z Farhat
 · Jun 2015 · **Case Reports in Medicine**

- **A Multicenter Experience from Lebanon in Childhood and Adolescent Acute Myeloid Leukemia: High rate of Early Death in Childhood Acute Promyelocytic Leukemia**
 Roula Antoine Farah · Jessy G Horkos · Youssef D Bustros · Hussein Z Farhat
 [...] · Oussama Abla
 · Jan 2015 · **Mediterranean Journal of Hematology and Infectious Diseases**

- **Life-threatening bleeding in factor VII deficiency: The role of prenatal diagnosis and primary prophylaxis**
 Roula Farah · Jad Al Danaf · Nabil Braiteh · Hussein Z Farhat [...] · Muriel Giansily- Blaizot
 · Sep 2014 · **British Journal of Hematology**

- **Prevalence of Staphylococcus aureus methicillin-sensitive and methicillin-resistant nasal and pharyngeal colonization in outpatients in Lebanon**
 Maroun Sfeir · Yollande Obeid · Chady Eid · Hussein Z Farhat [...] · Jacques E Mokhbat
 · Dec 2013 · **American journal of infection control**

- **Spontaneous Epidural Hematoma in a Child With Inherited Factor XIII Deficiency**
 Roula A Farah · Jad Z Al Danaf · Rita A Chahinian · Hussein Z Farhat [...] · Joseph R Mantoura
 · Apr 2013 · **Journal of Pediatric Hematology/Oncology**

- **Acquired protein C deficiency in a child with acute myelogenous leukemia, splenic, renal, and intestinal infarction**

Roula A Farah · Khalil S Jalkh · Hussein Z Farhat · [...] · Adel M Kadri
Article · Mar 2011 · **Blood coagulation & fibrinolysis**: an international journal
in haemostasis and thrombosis

- **Budd-Chiari syndrome and heparin-induced thrombocytopenia in polycythemia vera: Successful treatment with repeated TIPS and intrferon alpha**

Riad Akoum · Daniel Mahfoud · Albert Ghaoui · Hussein Z Farhat [...] · Joe Khoury
Oct 2009 · **Journal of cancer research and therapeutics**

Abstracts:

- EAHAD Abstract (Madrid, Spain- February 2018)
EAHAD18-ABS-1324
COMBINED PROTHROMBIN AND FACTOR XI DEFICIENCY IN A LEBANESE FAMILY

Roula Farah* 1, Hussein Z Farhat², Delphine Buthiau³, Muriel Giansily-Blaizot³
1Pediatrics, Saint George Hospital University Medical center, 2Laboratory
Medicine, University Medical Center-LAU Rizk Hospital, Beirut, Lebanon,
3Laboratory of Hematology, CHU de Montpellier, Montpellier, France

- **ISTH SSC Abstract (Dublin 2018)**
Long Term Prophylaxis Follow-up in Patients with Severe Factor VII Deficiency in Lebanon.

Roula A. Farah¹, Hussein Z. Farhat², Delphine Buthiau³, Muriel Giansily-Blaizot.³

¹Department of Pediatrics,¹Saint George Hospital University Medical Center, Beirut, Lebanon,²Department of Laboratory Medicine, University Medical Center – LAU-Rizk Hospital, Beirut, Lebanon. ³CHU de Montpellier, Laboratory of Hematology³ , Montpellier, France.