

Research and Papers has been done and sent for Publication

1. **Al Jaouni SK**, Smith G. Blood group distribution in the Saudi population.
2. **Al Jaouni SK**. Distribution of β -thalassemia and hemoglobinopathy in Jeddah, Saudi Arabia.
3. **Al Jaouni SK**. Studies on Survival and Disease Complication of Thalassemia Major, Experience of 14 years at KingAbdulAzizUniversityHospital.
4. **Al Jaouni SK**, Al Muhayawi S, Gari M. "Controlled Study" Safety of avoiding perioperative transfusion in sickle haemoglobinopathies. (Abstract presentation at the 3rd International Saudi Symposium of Hematology and Blood Transfusion in Riyadh). Poster presentation at The International Conference on Advanced Medicine on the 23-26 April 2001, Jeddah, KSA.
5. **Co-Author**. Determination of the most frequent -thalassemia mutations in population. Basis for prenatal diagnosis.
6. **Co-Author**. Haplotypes of sickle cell anemia in the western province of Saudi Arabia.
7. **Al-JaouniSK, et al**. Glucose 6 Phosphate Dehydrogenase Deficiency. Neonatal Survival: Frequency and Clinical Significance.
8. **G.A. Raouf, W. A. Ekhteb, S Jaouni, H. Toma, M. Qari, K. Elkebba, T. A. Kumosani**. Infrared Spectroscopy of Human Bone Marrow: Evidence of Structural Changes During Acute Leukemia. (Published).

RESEARCHERS

Research 2019 - 2020

Approved grant from DSR:

1. Effect of Novel of a Nano-formulation of Pomegranate on the chemoresistance and nephrotoxicity of cisplatin-treated animals.
2. Evaluation of the Anti-Diabetic efficacy of a novel nano-formulation of Ellagic acid in rats.
3. Effect of Honey on SCD
4. Novel therapy to remove iron overload from the liver in thalassemia disorders.

Prof. Soad K. Al Jaouni, Dr. Lamia Jamjoom & Mrs. Sabrin Khooli

Research 2013- 2018

See publication lists

Research 2011/2012

1. Medical Student Awareness of Neonatal Screening of Hemoglobinopathies & G6PD thru questionnaires.
2. Quality Control of Life in SCA thru patient health questionnaires (PHQ).
3. Retrospective Study to Detect the Prevalence of the most common causes for the Primary Thrombophilia attending the Anti-Coagulant Clinic from 1998 to 2008.
4. A Control Study to use and Integrative Approach by Natural Honey with a Standard Care to Reduced the Oral Mucositis in Pediatric Cancer Patients as a Supportive Measures.
5. To Assess the Outcome and Improvement in the Quality of Life among Chronic Blood Diseases (Hemoglobinopathies & Cancer Patient) by Improving their Diet Habit.
6. Using a New Integrative Approach with a Natural Product called PM701 with a Conventional Chemotherapy in a Refractory Relapsed Cases in Pediatric Hematology/Oncology patients.
 - a. There is a successful report of the pilot study of a relapsed refractory case of stage IV Hodgkin's Disease.
 - b. There is a seven studies in Tissue Culture and Animal Studies for the effectiveness of this natural agent as a selective apoptosis in cancer cell.
 - c. Attached the research proposal with the reference
7. Evaluation of Bone Complication and Osteoporosis in Pediatric Oncology Patient.
8. Childhood Cancers and the Potential Effect of Environmental Carcinogens.
9. Prevalence of Endocrine Complications and Osteoporosis among Children and Adolescents with SCA .
10. The Role of Cupping in Severe Sickle Cell Disease.
11. The Role of Consumption of Phoenix dactylifera L. in immune compromise patient.
12. Retrospective Study about Burkitt's Lymphoma. The Experience of King Abdul Aziz University Hospital.

King Fahd Research Center/King Abdulaziz University Hospital

Research 2009/2010

1. Endocrine Complication in Thalassemia Patient
 - Medical Student Research
 - 1.1 Newborn Screening Questionnaire
 - 1.2 Neonatal Jaundice
 - 1.3 Warfarin Resistant in Anticoagulant Clinic
2. Clinical Trial Phase II with PM 701
3. Sickle Cell Anemia and Infection
4. Supportive Measure in Pediatrics Hematology/Oncology Patients

**Research for Haematology Department at
King Fahd Research Center
Granted/Ungranted Research Researches
2008/2009**

1. A Novel Methods Detection of Residual Disease of Acute Lymphoblastic Leukemia among Children by Using Infrared Spectroscopy (**Co-Investigator**)
2. Experimental Use of PM 100 in Ulcers and High Dose Chemotherapy, Radiotherapy Due to Severe Neutropenia in ALL Children (**Principal Investigator**).
3. Applications of Diagnostic Procedures in the Diagnosis of G6PD Deficiency including the Molecular Sequencing in Neonatal Screening (**Principal Investigator**).
4. The Association between Thrombocytopenia and Helopactor Infection (**Principal Investigator**).
5. Application of Cupping in a Control Study for Management of Sickle Cell Vaso-Occlusive Crisis (**Principal Investigator**).
6. The Prevalence of Bone Disease among Acute Lymphoblastic Leukemia in Children (**Principal Investigator**).
7. Clinical Trial 2 in the treatment of resistant to chemotherapy in pediatric oncology patient using a novel experimental therapy PM 701.

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2007/2008

- G6PD Genotype by Gene Sequencing (**Granted**)
Dr. Soad Al-Jaouni. (**Principal Investigator**)
2. Uses & Application of Fourier Transform Infrared (FTIR) Spectroscopy in Analysis, Early Diagnosis and Follow-up of Patients with Blood Disease.
3. Study of von Willebrand Disease Phenotype among Saudi Patient Multicenter Trial.

4. The Prevalence and Incidence of Hemoglobinopathies and G6PD in Western Region of Saudi Arabia. Dr. Soad Al-Jaouni. **(Principal Investigator)**
5. Normal and Reference Ranges of the CBC Result among Saudi Population. Dr. Soad Al-Jaouni. **(Principal Investigator)**
6. Laboratory Investigations for the Ideal Screening Tests for G6PD Deficiency. Dr. Soad Al-Jaouni. **(Principal Investigator)**
7. Bone Disease Among Thalassemia Major Patient Dr. Soad Al-Jaouni, Dr. Abdulmoien Agha
8. The Prevalence of Bone Disease IN Sickle Cell Anemia and Hematological Diseases Dr. Soad Al-Jaouni. **(Principal Investigator)**
9. To Study the Social Support and Complication Among Thalassemia Major Patient Multicentral Study in Saudi Arabia. Dr. Soad Al-Jaouni. **(Co-Investigator)**

2006/2007

1. Comparison of Standard Treatment of Hepatitis C and Alternative Therapy from Alternative Medicine: a Randomized Controlled Trial. **(Principal Investigator)**.
2. A control study group of treatment of Helicobacter pylori and Role of prevention of Malt lymphoma. **(Principal Investigator)**. Al Jaouni SK, Dr. Nasrat AM, Akbar H, Dr. Falata H.
3. Infection and Sickle Cell Anemia Dr. Fatin Al-Sayes, Dr. Soad Al-Jaouni, Dr. Asif Fatani

2005/2006

1. New Alternative Medicine Can Cause Selectively Cell Death for Cancer Cell. (Co-Investigator). Sent for Patent

Research for Haematology Department at King Fahd Research Center Granted Research 2003

1. Initiate A Primary Prevention Program for Hemoglobinopathies
S. Jaouni, M. Qari, A. Abozneda, S. Matboli, B. Beirouti.

Research for Haematology Department at King Fahd Research Center Ungranted Research 2003

1. Hypercoagulable State in Sickle Cell Anemia during Vasoocclusive Crisis G. Zaher, S. Jaouni.
2. Sickle Cell Anemia and Pattern of Infection F. Al-Sayes, S. Jaouni, F. Gazzaz, A. Fatani.
3. Correlation between Serum Ferritin and MRI Results in Iron Overload Secondary to Chronic Transfusion Programs S. Adam, S. Jaouni.

**Research for Haematology
Department at King Fahd Research
Center
2002/2003**

1. G6PD Genotype Among Saudi Patient S. Jaouni, M. Qari, I. Ashankyty. **Completed.**
2. Prevalence of α -thalassemia Among Saudi Population at Jeddah S. Jaouni. **Completed.**
3. Neonatal Screening of G6PD S. Jaouni, **Completed.**

**Research for Haematology
Department at King Fahd Research
Center
1989/2001**

1. Comprehensive newborn screening program for detecting the most common inherited blood disorders and initiating a comprehensive care program. (**Principal investigator**). Completed. Granted #002/420
2. "Frequency and spectrum of α -Thalassaemia mutations in the Western Region of Saudi Arabia". (Co-author). Completed.
3. DNA damage and repair in leukemia / lymphoma patients determined by Single cell gel electrophoresis and treatment outcome (Co-investigator). Completed. Granted #009/421
4. Neonatal Screening for G6PD deficiency (**Principal Investigator**). Completed.
5. G6PD Genotype among Saudi Patients (**Principal Investigator**). Completed.
6. Pre-marital screenings for detecting the most common inherited blood disorders and initiate a primary prevention program. (**Principal Investigator**). Completed.
7. A National Program as Community Base to Control the Hereditary and Congenital Disorders by Applying Comprehensive Newborn Screening. (**Principal Investigator**).
8. Initiate a primary prevention program for hemoglobinopathies (**Principal Investigator**) Grant #013/423
9. Lipid profiles in sickle cell anaemia and thalassaemia patients. (Co-investigator).

10. Prospective study among Saudi donors for detection and prevalence of hereditary hemochromatosis in the Western region. (Co-investigator).
 11. Molecular Characterization of G6PD Deficiency among Saudi Arabia Patients. Grant # 426/026. **(Principal Investigator)**. Gene sequencing.
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