

## CURRICULUMVITAE

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### A. PERSONAL EXPERIENCE

Family Name: **EL RASSI**

First Name: **Issam**

Title: **ASSOCIATE PROFESSOR  
OF SURGERY**



**[Pediatric Cardiac Surgery]**

Institution: American University of Beirut,  
Faculty of Medicine  
Department of Surgery

Address: American University of Beirut Medical Center  
Bldg: Medical Center - Phase (1)  
Floor:6-CHILDREN'S HEART CENTER  
Cairo Street - Beirut - Lebanon

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[issam.rassi@gmail.com](mailto:issam.rassi@gmail.com)

Office: +961 1 350000 ext 5889 (Miss Rasha Talhouk)  
Mobile: +961 3 477507

Nationality: French - Lebanese

Languages: Fluent in English, French & Arabic

**WORK EXPERIENCE**

<b>2013 – Present</b>  <b>AMERICAN UNIVERSITY OF BEIRUT MEDICAL CENTER</b>	<b>ASSOCIATE PROFESSOR</b>  <b>Chief Pediatric Cardiac surgeon</b>  Department of Surgery American University of Beirut Medical School, Beirut, Lebanon
<b>2006 – 2013</b>  <b>HOTEL-DIEU DE FRANCE HOSPITAL</b>	<b>ASSISTANT PROFESSOR</b>  <b>Consultant Pediatric Cardiac surgeon</b>  Department of Surgery Saint-Joseph University Medical School, Beirut, Lebanon
<b>2001 – 2006</b>  <b>HOTEL-DIEU DE FRANCE HOSPITAL</b>	<b>MAITRE DE CONFERENCES</b>  <b>Consultant Pediatric Cardiac surgeon</b>  Department of Surgery Saint-Joseph University Medical School, Beirut, Lebanon

**MEDICAL EDUCATION, RESIDENCY & FELLOWSHIP**

<b>1984 - 1991</b>	<b>DOCTOR OF MEDICINE (MD)</b> Saint Joseph University, Beirut, Lebanon
<b>1991 - 1996</b>	<b>RESIDENCY TRAINING</b> Adult & Pediatric Cardiac Surgery; Hotel-Dieu de France Hospital St Joseph University, Beirut, Lebanon
<b>1996 - 1997</b>	<b>FELLOWSHIP TRAINING</b> Adult Cardiac surgery Bichat Claude-Bernard Hospital - Paris VII University, France
<b>1997 - 2000</b>	<b>FELLOWSHIP TRAINING</b> PEDIATRIC CARDIAC SURGERY Necker Children's Hospital - Paris VI University, France
<b>2000 - 2001</b>	<b>FELLOWSHIP TRAINING</b> PEDIATRIC CARDIAC SURGERY Royal Children's Hospital – University of Melbourne, Australia

**Additional Training**

<b>Valve repair techniques</b>	[2007]
Université de Louvain – St Luc Hospitals- Brussels, Belgium	
<b>Medical Education Diploma for Medical Educators</b>	[2006-2008]
St Joseph University – Beirut	
<b>Left Ventricular Assist Device Insertion</b>	[2011]
Utrecht University – Netherlands	
<b>ECMO Diploma</b>	[2015]
Université Pierre et Marie Curie (Paris VI) - Paris, France	
<b>ECMO Simulation</b>	[2018]
Sidra & Hamad Medical center - Doha, Qatar	

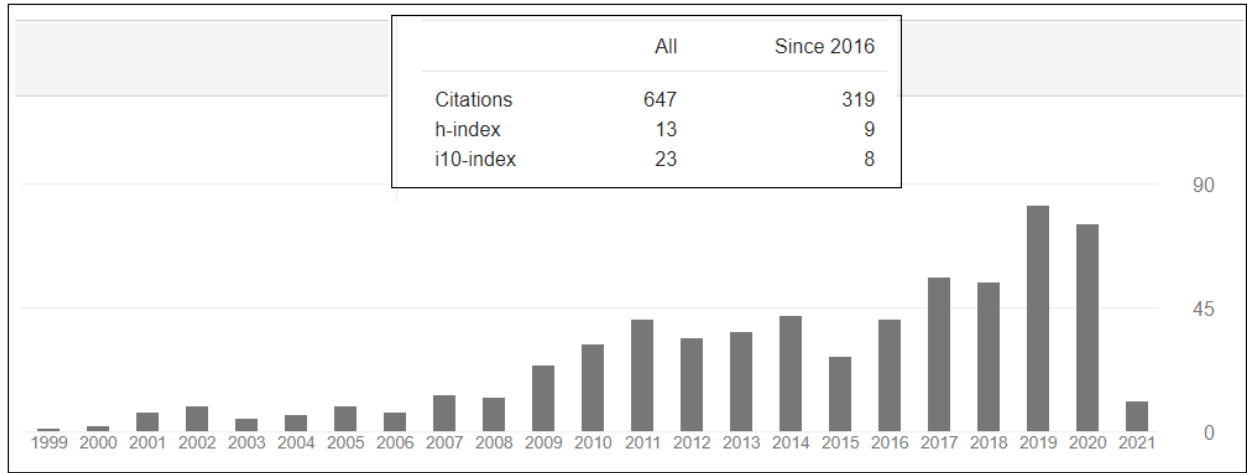
**All Diplomas & Training Certificates : Year/Country**

<b>-GENERAL MEDICINE DIPLOMA,</b> St Joseph University	Lebanon/1991
<b>-SPECIALTY DIPLOMA,</b> St Joseph University	Lebanon/1997
<b>-FELLOWSHIP 1 - ADULT CARDIAC SURGERY</b>	France/1998
(Diplôme du Collège de Médecine – Université Paris VII)	
<b>-FELLOWSHIP 2 - PEDIATRIC CARDIAC SURGERY</b>	France/2000
(Diplôme d’AFS ; AP-HP; Université Paris VI)	
<b>-FELLOWSHIP 3 - PEDIATRIC CARDIAC SURGERY</b>	Australia/2001
<b>-MEDICAL EDUCATION DIPLOMA,</b> St Joseph University	Lebanon/2008
<b>-LEFT VENTRICULAR ASSIST DEVICES CERTIFICATE</b>	Netherlands/2011
<b>-EXTRACORPOREAL MEMBRANE OXYGENATION DIPLOMA</b>	France/2015

**Licenses**

2000 – Present	Lebanese Order of Physicians
1991 – Present	USMLE Equivalent (FMGEMS Part 1 – 1991)
	USMLE Equivalent (FMGEMS Part 2 – 1991)

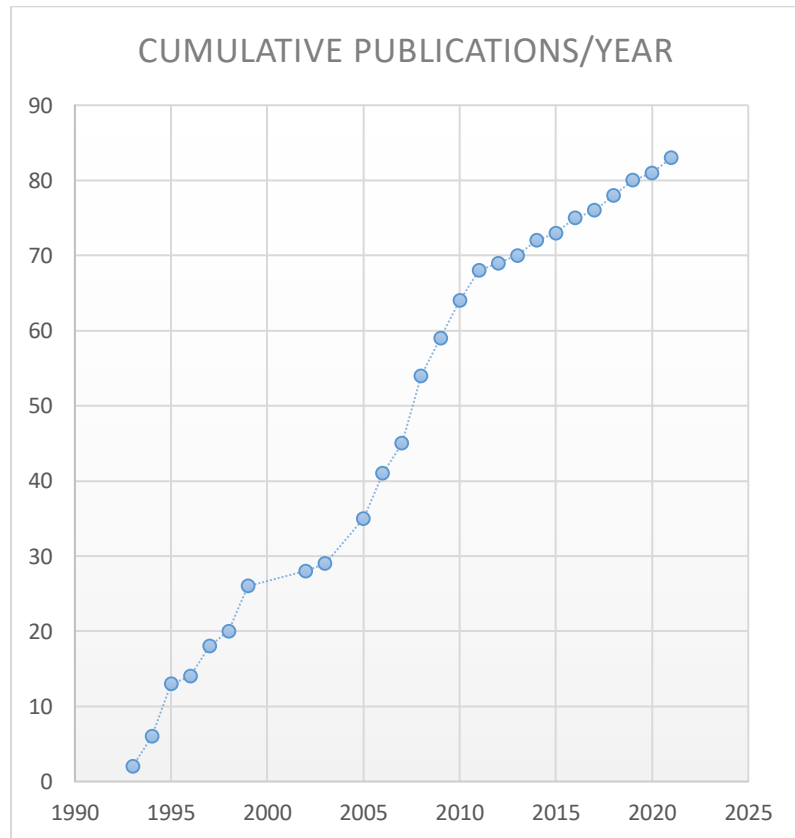
**B. RESEARCH**



-66% Corresponding author (First, co-first, or last)

-50% Original research papers.

-75% In American, European, or Japanese peer-reviewed Journals with Impact Factor.



## **Peer Reviewed Journal Publications**

The \* indicates FIRST, SECOND, or CORRESPONDING AUTHOR

- 1\*                    **Establishing A High-Quality Congenital Cardiac Surgery Program In A Developing Country: Lessons Learned.**  
El Rassi I\*, Assy J, Arabi M, Majdalani MN, Yunis K, Sharara R, Maroun-Aouad M, Khaddoum R, Siddik-Sayyid S, Foz C, Bulbul Z, Bitar F  
Frontiers In Pediatrics. 2020, vol.8, pp-35
  
- 2\*.                    **A Review Of Haptic Feedback In Tele-Operated Robotic Surgery.**  
El Rassi I\*, El Rassi JM  
Journal Of Medical Engineering & Technology. 2020, vol.44, no.5, pp-247-254
  
- 3\*.                    **Neurally Adjusted Ventilatory Assist For Children On Venovenous Ecmo.**  
Assy J, Mauriat P, Tafer N, Soulier S, El Rassi I\*  
Journal Of Artificial Organs : The Official Journal Of The Japanese Society For Artificial Organs. 2019, vol.22, no.2, pp-118-125
  
- 4\*.                    **Establishing An Ecmo Program In A Developing Country: Challenges And Lessons Learnt**  
Jana Assy, Hadi Skouri, Charafeddine Lama, Majdalani MN, Bulbul Z, Bitar Fadi, Sfeir Pierre, Bourji Jamil, Rifai Khalid, El Rassi I\*  
Perfusion. 2019
  
5.                     **Steroids As A Possible Effective Therapy In The Management Of Large Isolated Chylopericardium Following Open Heart Surgery.**  
Fakhri G, Abutaqa M, Abdulhalim N, Houssein HB, Al Halees Z, El-Rassi I, Bitar F, Arabi M  
Cardiology In The Young. 2019, vol.29, no.12, pp-1426-1431
  
6.                     **The First Fetal Echocardiography Experience For Prenatal Diagnosis Of Congenital Heart Disease In Lebanon: Successes And Challenges.**  
Charafeddine F, Hachem A, Kibbi N, Abutaqa M, Bitar F, Bulbul Z, El-Rassi I, Arabi M  
Journal Of The Saudi Heart Association. 2019, vol.31, no.3, pp-125-129
  
7.                     **A Novel Somatic Variant In Hey2 Unveils An Alternative Splicing Isoform Linked To Ventricular Septal Defect.**  
Fardoun M, Dehaini H, Kamar A, Bitar F, Majdalani M, El-Rassi I, Nemer G, Arabi M  
Pediatric Cardiology. 2019, vol.40, no.5, pp-1084-1091
  
- 8\*.                    **Aortopulmonary Window In Adults: A Rare Entity Leading To Eisenmenger Syndrome.**  
El Dick J, El-Rassi I\*, Tayeh C, Bitar F, Arabi M  
Echocardiography (Mount Kisco, N.Y.). 2019, vol.36, no.6, pp-1173-1178
  
9.                     **Viral-Associated Trichodysplasia Spinulosa In A Paediatric Cardiac Transplant Recipient.**  
Stephan C, Kurban M, Khalil S, Bitar F, El-Rassi I, Assy J  
Clinical And Experimental Dermatology. 2019

10. **Transcatheter Closure Of Atrial Septal Defects: Comparable Experience And Outcomes Between Developing And Developed Countries.**  
Almanla A, Charafeddine F, Abutaqa M, Mustafa H, Tabbakh A, Hussein HB, Sawaya F, El-Rassi I, Arabi M, Bulbul Z, Bitar F  
Pediatric Cardiology. 2019, vol.40, no.3, pp-610-615
- 11\*. **Ecmo Is In The Air: Long Distance Air/Ground Transport Of A Child On Extra Corporeal Membrane Oxygenation**  
Assi J, Arabi m, Bulbul Z, Bitar Fadi F, Majdalani M, Sharara Rana, El Rassi I\*  
The Egyptian Journal Of Critical Care Medicine. 2018, vol.6, no.3, pp-151-153
12. **Gata5 Mutation Homozygosity Linked To A Double Outlet Right Ventricle Phenotype In A Lebanese Patient.**  
Kassab K, Hariri H, Gharibeh L, Fahed AC, Zein M, El-Rassy I, Nemer M, El Rassi I, Bitar F, Nemer G  
Molecular Genetics & Genomic Medicine. 2016, vol.4, no.2, pp-160-71
- 13\*. **Synchronization Of Contrast Media Administration With Retrograde Blood Flow In Patients With Hypoplastic Ascending Aorta**  
Saade C, Jamale O, Kobrossi S, Araji A, Haddad M, El Rassi Issam\*  
Diagnostic And Interventional Imaging. 2016, vol.97, no.2
- 14\*. **Percutaneous Closure Of Patent Ductus Arteriosus In Children Using Amplatzer Duct Occluder Ii: Relationship Between Pda Type And Risk Of Device Protrusion Into The Descending Aorta.**  
Masri S, El Rassi I\*, Arabi M, Tabbakh A, Bitar F  
Catheterization And Cardiovascular Interventions : Official Journal Of The Society For Cardiac Angiography & Interventions. 2015, vol.86, no.2, pp-E66-72
15. **3d Printed Cardiovascular Models For Surgical Planning In Complex Congenital Heart Diseases**  
Valverde I., Gomez G., Suarez-Mejias C., Hosseinpour A.-R., Hazekamp M., Roest A., Vazquez-Jimenez J.F., El-Rassi I., Uribe S., Gomez-Cia T.  
Journal Of Cardiovascular Magnetic Resonance. 2015, pp-1-2
16. **Supravalvular Aortic Stenosis With And Without Coronary Lesions In Pediatrics. A Lebanese Study**  
Chehab G., Darido J., El-Rassi I., Gerbaka B., Smayra T., Saliba Z.  
Journal Medical Libanais. 2015, vol.63, no.2, pp-81-86
- 17\*. **Surgical Repair Of Partial Atrioventricular Defect.**  
El-Rassi I\*, Charafeddine F, Majdalani M, Arabi M, Khater D, Bitar F  
Multimedia Manual Of Cardiothoracic Surgery : Mmcts / European Association For Cardio-Thoracic Surgery. 2015, vol.2015

- 18\*. **Surgical Repair Of Complete Atrioventricular Defect (Nunn Technique).**  
El-Rassi I\*, Charafeddine F, Tabbakh A, Aboutaka M, Khater D, Arabi M, Bitar F  
Multimedia Manual Of Cardiothoracic Surgery : Mmcts / European Association For Cardio-Thoracic Surgery. 2015, vol.2015
- 19\*. **Linear Insertion Of Atrioventricular Valves In Children With And Without Down's Syndrome**  
Ghassan Chehab, Zakhia Saliba, Tony Abdel-Massih, El Rassi I\*  
Journal Medical Libanais. 2014, vol.62, no.2, pp-102-6
20. **Pulmonary Migration Of A Fragment Of Plastic Coating Sheared From A Stylet.**  
Chalhoub V, Richa F, El-Rassi I, Dagher C, Yazbeck P  
The Journal Of Emergency Medicine. 2013, vol.44, no.6, pp-1097-100
21. **Myocardial Extraction Of Intracellular Magnesium And Atrial Fibrillation After Coronary Surgery.**  
Abdel-Massih T.E., Sarkis A., Sleilaty G., El Rassi I., Chamandi C., Karam N., Haddad F., Yazigi A., Madi-Jebara S., Yazbeck P., El Asmar B., Ashoush R., Jebara V.  
International Journal Of Cardiology. 2012, vol.160, no.2, pp-114-8
- 22\*. **Analyzing The Failures Of Percutaneous Closure Of The Patent Ductus Arteriosus In Patients Over 5 Kg**  
Saliba Z., El-Rassi I.\*, Helou D., Chehab G., Abdel-Massih T., Daou L., Chalhoub V., Choueiry E., Gerbaka B.  
Journal Of Invasive Cardiology. 2012, vol.24, no.9, pp-434-438
- 23\*. **Transfer Technique Of An Anomalous Coronary Artery From The Anterior Pulmonary Artery**  
El-Rassi I.\*, Soueide A., Sweid O., Chabb B.  
Annals Of Thoracic Surgery. 2012, vol.93, no.5, pp-1738-1740
- 24\*. **Blalock-Taussig Shunts With And Without Closure Of The Ductus Arteriosus**  
El-Rassi I.\*, Soueide A., Chabb B.  
Annals Of Thoracic Surgery. 2012, vol.93, no.4, pp-1399-1400
25. **The Percutaneous Treatment Of Pulmonary Atresia With Intact Ventricular Septum**  
Chehab G., Chalouhi E., Najarian S., Sarkis A., Badaoui G., Daou L., El-Rassi I., Massih T.A., Saliba Z.  
Journal Medical Libanais. 2012, vol.60, no.2, pp-65-69
- 26\*. **Parental Smoking During Early Pregnancy And Congenital Heart Defects.**  
Chehab G., El-Rassi I.\*, Adhami A., Chokor I., Chatila F., Haddad W., Saliba Z.  
Le Journal Médical Libanais. The Lebanese Medical Journal. 2012, vol.60, no.1, pp-14-18
- 27\*. **Percutaneous Closure Of A Large Iatrogenic Fistula Between The Inferior Vena Cava And The Pulmonary Vein In A Child**  
Saliba Z., El-Rassi I.\*, Smayra T.  
Catheterization And Cardiovascular Interventions. 2011, vol.78, no.5, pp-694-697

- 28\*. **Epidemiology Of Mitral Valve Disease In Pediatrics: A Lebanese Study**  
Chehab G., El-Rassi I.\*, Chokor I., Hammoud C., Saliba Z.  
Journal Medical Libanais. 2011, vol.59, no.4, pp-197-201
- 29\*. **Femoral Venous Oxygen Saturation May Still Be A Valuable Tool**  
El-Rassi I.\*, Yazigi A.  
Chest. 2011, vol.139, no.6, pp-1546-1547
- 30\*. **Fatal Cardiac Atherosclerosis In A Child 10 Years After Liver Transplantation: A Case Report And A Review**  
El-Rassi I.\*, Chehab G., Saliba Z., Alawe A., Jebara V.  
Journal Of Clinical Lipidology. 2011, vol.5, no.4, pp-329-332
- 31\*. **Treatment Of Heyde's Syndrome By Aortic Valve Replacement**  
Abi-akar R., El-rassi I.\*, Karam N., Jassar Y., Slim R., Jebara V.  
Current Cardiology Reviews. 2011, vol.7, no.1, pp-47-49
- 32\*. **A New Variant Of The Posterior Nutcracker Phenomenon**  
Rassi I.\*, Khabbaz Z., Chelala D., Jebara V.A.  
Journal Of Vascular Surgery. 2010, vol.51, no.5
- 33\*. **Early Extubation Following Cardiac Surgery In Neonates And Infants**  
El-Rassi I.\*, Soueide A.  
Heart Lung And Circulation. 2010, vol.19, no.2
- 34\*. **Atrioventricular Septal Defect Characteristics In Infants With And Without Down's Syndrome: A Lebanese Study**  
Chéhab G., El-Rassi I.\*, Abdo A., Fakhoury H., Chokor I., Haddad W., Saliba Z.  
Journal Medical Libanais. 2010, vol.58, no.1, pp-3-7
- 35\*. **A New Diagnostic Algorithm For Assessment Of Patients With Single Ventricle Before A Fontan Operation**  
Soueidi A., El-Rassi I.\*, Khater D.  
Journal Of Thoracic And Cardiovascular Surgery. 2009, vol.138, no.6, pp-1455-1456
- 36\*. **The Amplatzer Duct Occluder Ii: A New Device For Percutaneous Ductus Arteriosus Closure**  
Saliba Z., El-Rassi I.\*, Abi-Warde M.-T., Chehab G., Daou L., Khater D., Gerbaka B., Jebara V.  
Journal Of Interventional Cardiology. 2009, vol.22, no.6, pp-496-502
37. **Acute Thrombosis Of Abdominal Aortic Aneurysm During Cardiac Surgery**  
Haddad F., Yazigi A., El-Rassi I., Madi-Jebara S., Jabbour K., Jebara V., Al Ayle N.  
Annals Of Thoracic Surgery. 2009, vol.88, no.5, pp-1670-1671
- 38\*. **Apico-Aortic Valved Conduit As An Alternative For Aortic Valve Re-Replacement In Severe Prosthesis-Patient Mismatch**  
Chahine J.H., El-Rassi I.\*, Jebara V.  
Interactive Cardiovascular And Thoracic Surgery. 2009, vol.9, no.4, pp-680-682

39. **Postoperative Oral Amiodarone Versus Oral Bisoprolol As Prophylaxis Against Atrial Fibrillation After Coronary Artery Bypass Graft Surgery: A Prospective Randomized Trial.**  
Sleilaty G, Madi-Jebara S, Yazigi A, Haddad F, Hayeck G, El Rassi I, Ashoush R, Jebara V  
International Journal Of Cardiology. 2009, vol.137, no.2, pp-116-22
40. **Surgical Management Of A Circumflex Aneurysm With Fistula To The Coronary Sinus**  
Hajj-Chahine J., Haddad F., El-Rassi I., Jebara V.  
European Journal Of Cardio-Thoracic Surgery. 2009, vol.35, no.6, pp-1086-1088
- 41\*. **Development Of Catheter-Based Treatment Of Patent Ductus Arteriosus: A Medium-Sized Centre Experience**  
Saliba Z., El-rassi I.\*, Helou D., Abou-Jaoudeh P., Chehab G., Daou L., Khater D., Gerbaka B., Jebara V.  
Archives Of Cardiovascular Diseases. 2009, vol.102, no.2, pp-111-118
- 42\*. **Modified Blalock-Taussig Shunt In Neonates**  
Soueidi A., El-Rassi I.\*.  
Heart Lung And Circulation. 2009, vol.17, no.1
- 43\*. **Suicidal Behavior Among Medical Students**  
El Rassi I\*, Haddad Fadia, Chalhoub Viviane, Dagher Christine  
Medical Teacher. 2009, vol.31, no.3, pp-267-8
- 44\*. **Giant Cell Arteritis Of The Aorta: Catastrophic Complications Without A Preexisting Aneurysm**  
Haddad F.G., El-Nemnoum R., Haddad F., Maalouly G., El-Rassi I\*.  
European Journal Of Internal Medicine. 2008, vol.19, no.7
- 45\*. **Aorto-Atrial Fistula 10 Days After Dissection Repair In Giant Cell Arteritis**  
Haddad F., El-Rassi I\*, Haddad F.G., Nemnoum R., Jebara V.A.  
Annals Of Thoracic Surgery. 2008, vol.86, no.5, pp-1672-1674
46. **Can Femoral Artery Pressure Monitoring Be Used Routinely In Cardiac Surgery?**  
Haddad F., Zeeni C., El Rassi I., Yazigi A., Madi-Jebara S., Hayeck G., Jebara V., Yazbeck P.  
Journal Of Cardiothoracic And Vascular Anesthesia. 2008, vol.22, no.3, pp-418-422
- 47\*. **Oral Sildenafil After Bidirectional Cavopulmonary Shunt**  
Soueide T., Rassi I\*.  
Annals Of Thoracic Surgery. 2008, vol.85, no.2, pp-693-694
- 48\*. **The Silent Patent Ductus Arteriosus**  
Chehab G., Saliba Z., El-Rassi I\*.  
Journal Medical Libanais. 2008, vol.56, no.1, pp-7-10

49. **Segmental Variations Of The Great Saphenous Vein Diameters In Coronary Triple Vessel Disease Population**  
Sleilaty G., El Asmar B., Ashoush R., Jebara V., Maoula A., Hachem K., Hajj Chahine J., Nakad J., Kassabian E., Khabbaz Z., El Rassi I., Tabet G.  
Annales De Cardiologie Et D'Angeiologie. 2007, vol.56, no.5, pp-241-246
- 50\*. **Angiography Of An Aneurysmal Aorto-Left Ventricular Tunnel**  
Chehab G., Hayek J., Saliba Z., El-Rassi I\*.  
Circulation. 2007, vol.116, no.13
- 51\*. **Congenital Heart Disease, Maternal Age And Parental Consanguinity In Children With Down's Syndrome**  
Chéhab G., Chokor I., Fakhouri H., Hage G., Saliba Z., El-Rassi I\*.  
Journal Medical Libanais. 2007, vol.55, no.3, pp-133-137
- 52\*. **Congenital Heart Disease Associated With Gastrointestinal Malformations**  
Chéhab G., Fakhoury H., Saliba Z., Issa Z., Faour Y., Hammoud D., El-Rassi I\*.  
Journal Medical Libanais. 2007, vol.55, no.2, pp-70-74
- 53\*. **Supraglottic Oedema And Cocaine Crack Abuse [9]**  
Haddad F., Riachi M., Yazigi A., Madi-Jebara S., Hayek G., El Rassi I\*.  
British Journal Of Anaesthesia. 2006, vol.97, no.6, pp-900-901
54. **Staged Anesthesia For Combined Carotid And Coronary Artery Revascularization: A Different Approach**  
Madi-Jebara S., Yazigi A., Sleilaty G., Haddad F., Hayek G., Tabet G., Ashoush R., Asmar B., Rassi I., Jebara V.A  
Journal Of Cardiothoracic And Vascular Anesthesia. 2006, vol.20, no.6, pp-803-806
- 55\*. **Renal And Visceral Artery Obstruction Following Intervention For Acute Type A Aortic Dissection: The Value Of Mr Angiography**  
El Rassi I\*, Kassabian E., Sleilaty G., Jebara V.A.  
Chirurgia. 2006, vol.19, no.1, pp-53-55
- 56\*. **Balloon Dilation Of Critical Neonatal Aortic Stenosis: Early And Midterm Results**  
Lteif J., El-Rassi I\*, Chéhab G., Abdelmassih T., Daou L., Gerbaka B., Ashoush R., Saliba Z.  
Journal Medical Libanais. 2006, vol.54, no.1, pp-22-27
- 57\*. **Images In Cardiovascular Medicine. Extracardiac Unruptured Sinus Of Valsalva, Coronary, And Intracranial Aneurysms.**  
Sleilaty G., El Rassi I\*, Haddad F., Jebara V.A.  
Circulation. 2005, vol.112, no.12, pp-e146-7
- 58\*. **Percutaneous Closure Of Atrial Septal Defects Using The Amplatzer® Device**  
Saliba Z., El-Rassi I\*, Abdel Massih T., Chehab G., Daou L., Kassab R., Alawé A., Ashoush R., Gerbaka B.  
Journal Medical Libanais. 2003, vol.51, no.3, pp-132-137

- 59\*. **Primary Isolated Chronic Chylopericardium**  
Sleilaty G., Rassi I\*, Alawi A., Jebara V.A.  
Interactive Cardiovascular And Thoracic Surgery. 2002, vol.1, no.2, pp-86-87
- 60\*. **Transcatheter Closure Of The Patent Ductus Arteriosus In Children. The First Lebanese Series.**  
Saliba Z, El-Rassi I\*, Daou L, Chehab G, Abdallahi A, Gerbaka B, Ashoush R  
Le Journal Médical Libanais. The Lebanese Medical Journal. 2002, vol.50, no.5-6, pp-197-200
61. **Tricuspid Insufficiency After Blunt Chest Trauma In A Nine-Year-Old Child**  
Bertrand S., Laquay N., El Rassi I., Vouhé P.  
European Journal Of Cardio-Thoracic Surgery. 1999, vol.16, no.5, pp-587-589
- 62\*. **Renal Artery Pseudoaneurysm After Blunt Abdominal Trauma.**  
Jebara VA, El Rassi I\*, Achouh PE, Chelala D, Tabet G, Karam B  
Journal Of Vascular Surgery. 1998, vol.27, no.2, pp-362-5
- 63\*. **Carcinoid Heart Disease.**  
El-Rassi I\*, Orouji M, Tapia M, Depoix JP, Henri I, Cormier B, Vissuzaine C, Acar C  
Archives Des Maladies Du Coeur Et Des Vaisseaux. 1998, vol.91, no.1, pp-79-82
- 64\*. **Mycotic Aneurysm Of The Popliteal Artery Secondary To Tuberculosis. A Case Report And Review Of The Literature.**  
Jebara VA, Nasnas R, Achouh PE, Tabet G, Kassab R, Karam B, Rassi I\*  
Texas Heart Institute Journal. 1998, vol.25, no.2, pp-136-9
- 65\*. **Cardiac Failure Caused By Renal Arteriovenous Fistula Fifty Years After Nephrectomy. A New Case And Review Of The Literature.**  
El-Rassi I\*, Jebara I, Khoury A, Kassab R, Tabet G  
Archives Des Maladies Du Coeur Et Des Vaisseaux. 1997, vol.90, no.10, pp-1427-30
66. **Coronary Surgery In Patients 70 Years And Older; Report Of 70 Cases.**  
El Asmar Bechara, Yazigi Alex, El Rassi Issam, Jebara Victor, Ashoush Ramzi, Jebara Samia, Haddad Fadia, Hayek Gemma  
Journal Medical Libanais. 1996
67. **Mycotic Aneurysm Of The External Iliac Artery: A Very Rare Complication Of Coronary Angioplasty.**  
Karam BG, el-Asmar B, Tabet G, Gebara VA, Ashoush R, el-Rassi I, Hajj Z  
Le Journal Medical Libanais. The Lebanese Medical Journal. 1996, vol.44, no.3, pp-165-7
68. **Aberrant Right Subclavian Artery Aneurysm--A Surgical Review.**  
Jebara V.A., Oussouldjogli E., Rassi I., Tabet G., Fabre-Bouabboud V.  
Le Journal Médical Libanais. The Lebanese Medical Journal. 1995, vol.43, no.3, pp-157-161

69. **Concomitant Cerebral, Brachiocephalic Trunk, And Cardiac Revascularization. An Unusual Case.**  
Jebara VA, Tabet G, Nasnas R, Rassi I, Karam B, Asmar B, Ashoush R, el Adem N  
Texas Heart Institute Journal. 1995, vol.22, no.1, pp-92-5
70. **Spontaneous Cholesterol Embolization: A Rarely Reported Entity**  
Badawi G., Jebara V.A., El Rassi I., Tabet G., El Ayle N., Ashoush R., El Asmar B., Sarkis A.  
Texas Heart Institute Journal. 1994, vol.21, no.3, pp-228-230
71. **Total Anomalous Pulmonary Venous Connection In Adults--A Surgical Review.**  
Ashoush R., Jebara V.A., el Rassi I., Badawi G., Sarkis A., Asmar B., Bassila N., Ayle N.,  
Checrallah E.  
Journal Medical Libanais. 1993, vol.41, no.4, pp-230-235
72. **Traumatic Rupture Of The Thoracic Aorta--Case Report.**  
el Ayle N, Jebara V, el Asmar B, Ashoush R, Tabet G, Karam B, Rassi I, Saade B, Ghossain A  
Le Journal Medical Libanais. The Lebanese Medical Journal. 1993, vol.41, no.3, pp-160-2

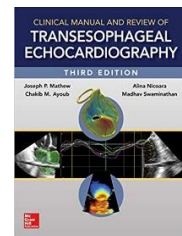
## Book Chapters

### **CLINICAL MANUAL & REVIEW OF TRANSESOPHAGAL ECHOCARDIOGRAPHY** **JP. Mathew**

1. **2<sup>nd</sup> Edition 2010**
2. **3<sup>rd</sup> Editions 2019**

#### **Mitral Valve Repair Chapter**

Sleilaty Ghassan, El Rassi Issam\*, Jebara Victor



## Research Grant 1

Title: **Building a 3D printing Program for Congenital Heart Disease.** Lebanese Government Research Council

Amount: **46.000 \$**

Conference Proceedings:

**Printing 3D Heart Models From CT Scans Using Materialize Software**  
Proceedings Of The ASME 2017 International Mechanical Engineering  
Tampa, Florida, USA - 2017  
DOI: [10.1115/IMECE2017-71522](https://doi.org/10.1115/IMECE2017-71522)

### Research Grant 2

Title:           **RNA profiling in patients with congenital heart disease.**  
                          AUBMC Research Funds

Amount:       **40.000 \$**

Results pending

### Ongoing Research Projects

**Title:**                                   Quality of life of patients with single ventricle  
**Period:**                               2020 – 2021  
**IRB Clearance:**                    Yes

**Title:**                                   Congenital Heart Surgery in Syrian Refugees  
**Period:**                               2020 – 2021  
**IRB Clearance:**                    Yes

**Title:**                                   Consanguinity in Children with Heart disease  
**Period:**                               2016 – 2020  
**IRB Clearance:**                    Yes

**Title:**                                   360 Feedback for Residents: How acceptable is it?  
**Period:**                               2019 – 2021  
**IRB Clearance:**                    Yes

### Past Research Projects on Animals

**Title:**                                   Adjustable External Pulmonary Artery Banding in goats  
**Period:**                               2005-2006        *Terminated for unsatisfactory results*

**Title:**                                   Effects of vasoactive drugs on the hemodynamics in pigs  
**Period:**                               2006                *Developed & Used for teaching purposes*

## C. SERVICE

### Clinical Service

(Total number of Patients Personally operated – Logbook available)

	HOTEL-DIEU DE FRANCE (2001-2013)	AMERICAN UNIVERSITY OF BEIRUT MEDICAL CENTER (2013-Present)	TOTAL NUMBER
<b>PATIENT NUMBER</b>	<b>1534</b>	<b>1698</b>	<b>3232</b>
<i>Lebanese Patients</i>	59%	59%	59%
<i>Syrian &amp; Palestinian Refugees</i>	7%	40%	24%
<i>Iraqi Patients</i>	34%	1%	17%

The below paper published recently shows the profile and outcomes of my personal clinical activity during the last 5 years including 990 surgical procedures

*"ESTABLISHING A HIGH-QUALITY CONGENITAL CARDIAC SURGERY PROGRAM IN A DEVELOPING COUNTRY". Issam El Rassi, Jana Assy, Mariam Arabi, Marianne Nimah Majdalani, Khalid Yunis, Rana Sharara, Marie Maroun-Aouad, Roland Khaddoum, Sahar Siddik-Sayyid, Carine Foz, Ziad Bulbul, Fadi Bitar.*

Frontiers in Pediatrics, 30 July 2020;8:357 | <https://doi.org/10.3389/fped.2020.00357>

### Service Activities between 2001/2013 in HOTEL DIEU DE FRANCE

- Implementation of the Pediatric Cardiac Surgery Program in 2001
  - Implementation of a Pediatric Cardiology Service and Recruitment of Physicians
  - Organization of the Operating Room – ICU – Nursing Services – Monitoring - Teaching – Protocols – Policies.
  
- Networking for local patient referral
- Founding of HEARTBEAT, a humanitarian organization for cardiac children (<https://heartbeat-lb.org/>)
- Agreement with the Iraqi Ministry of Health, Total® & Chain of Hope for the referral of 450 patients

**Service Activities in the AMERICAN UNIVERSITY OF BEIRUT 2013-Present**

- Reorganization of several aspects of the Pediatric Cardiac Surgery Program
  - Organization of the Operating Room – ICU –Monitoring - Teaching – Protocols – Policies.
  
- Implementation of ECMO and establishment of the first ECMO Program in the country
  - Recruitment of Cardiac intensivist/ECMO expert
  - First Mobile ECMO service
  
- Implementation and recruitment of “Physician-Assistants” in the operating room
- Introduction of NIRS to the Pediatric ICU (Near Infrared Spectroscopic monitoring)
- Introduction of Telemetry for floor monitoring
- Implementation of a 3D printing Research/Clinical for congenital heart disease
- FIRST in the country Surgeries:
  - Pediatric Heart Transplantation
  - Nikaidoh – Norwood
  - LVAD (Heartware)

**Humanitarian Service** (Funds Raised through Non-Governmental Organizations)

ORGANIZATION	AMOUNT of FUNDS RAISED & SPENT In Dollars US
BRAVEHEART FUND (Founding Member)	9,520,000 \$
HEARTBEAT FUND (Founding Member)	7,500,000 \$
GIFT OF LIFE (Member)	610,000 \$
<b>TOTAL</b>	<b>17,630,000 \$</b>

**Humanitarian Service** (Funds Requested from Governmental/UN Organizations)

ORGANIZATION	AMOUNT of FUNDS RAISED & SPENT In Dollars US
IRAQI MINISTRY OF HEALTH	1,120,000 \$
UNITED NATIONS-UNHCR [Syrian Refugees]	1,515,000 \$
UNITED NATIONS-UNRWA [Palestinian Refugees]	393,000 \$
<b>TOTAL</b>	<b>3,028,000 \$</b>

**Institutional/Administrative Service**

- ECMO Committee – Founder
- NMCE Committee (New Medical Center Expansion) - Member  
Planning, designing, equipping, and finalizing the new 2020 Medical Center
- Operating Room Committee – Member
- Performance Improvement Committee - Member
- Blood Bank Committee - Member
- Task force (ad hoc) - Chairperson  
Investigate suspected errors in cases of Morbidity/Mortality

## Collaborations & Community Service

- 2020 – Present** Agreement with IZA HOSPITAL/Iraq for the surgical treatment of cardiac children at IZA in Iraq.
- Preparation of the Infrastructure/Setup/ Equipment/Disposable items.
- Recruitment of a multidisciplinary team of 19 Physicians and Nurses.
- 1st Mission January 2021: 14 children operated.  
2nd Mission March 2021: 13 children operated.  
3rd Mission scheduled for May 2021.
- 2019 - Present** Agreement with INDIANA UNIVERSITY (USA) and AUBMC. Memorandum of Understanding for cooperation in the areas of Research, teaching, and exchange (Students, Residents, Faculty).
- 2018 - Present** Partnership with RILEY CHILDREN'S HOSPITAL (USA) for the financial sponsoring of 12 Syrian Refugees per year.
- 2017 - Present** LEBANESE MINISTRY OF HEALTH Committee for Medical Errors
- 2015 - Present** GIFT OF LIFE Association  
(<https://www.giftoflifeinternational.org/?s=lebanon>)  
Treatment of needy Children with heart disease
- 2013 – Present** BRAVEHEART Association (<http://www.braveheartfund.org/>)  
Founding Member - Treatment of Children with heart disease
- 2005 - 2013** HEARTBEAT Association (<https://heartbeat-lb.org/>)  
Founding Member - Treatment of Children with heart disease
- 2011** TOTAL<sup>®</sup> + CHAIN OF HOPE + IRAQI MINISTRY OF HEALTH  
Treatment of Iraqi Children with heart disease
- 2007** IRAQI MINISTRY OF HEALTH  
Treatment of Iraqi Children with heart disease

### Professional Societies - Membership

- **EACTS** - European Association of Cardio Thoracic Surgery
- **PACHDA** - Pan Arab Congenital Heart Disease Association
- **STS** - Society of Thoracic Surgeons
- **LSC** - Lebanese Society of Cardiology and Cardiac Surgery
- Co-Founder of the **AFLBC** (France/Belgium/Lebanon) - Association Franco-Libano-Belge de Cardiologie

## D. TEACHING

### SAINT-JOSEPH UNIVERSITY MEDICAL SCHOOL 2001 - 2013

- |                        |               |
|------------------------|---------------|
| -Chargé d'Enseignement | (2001 – 2003) |
| -Maître de Conférences | (2003 – 2006) |
| -Assistant Professor   | (2006 – 2013) |

#### FORMAL TEACHING COURSES

1- « Congenital Heart Disease » - 12 Sessions over 3 months – 6<sup>th</sup> Year Students.  
2003 - 2013

2- « Introduction aux Professions de la Santé » - 7 Sessions over 3 months – 1<sup>st</sup> Year Students.  
2010 – 2013

#### INFORMAL TEACHING

Operating Room – Bedside – Medical/Surgical staff meetings – Ad Hoc Conferences - ...

#### THESIS MENTORING

- |   |                                    |
|---|------------------------------------|
| -CONSANGUINITY AND CARDIAC ANOMALIES    | -ARRHYTHMIAS AFTER CARDIAC SURGERY |
| -COMPLICATIONS AFTER CARDIAC SURGERY    | -ECMO FEASIBILITY AT HOTEL-DIEU    |
| -DESCRIPTIVE STUDY OF OPERATED CHILDREN | -ARRHYTHMIAS IN MEDICAL STUDENTS   |

## **AMERICAN UNIVERSITY OF BEIRUT MEDICAL SCHOOL 2013 - Present**

-Associate Professor

### **FORMAL TEACHING COURSES**

1-"Congenital Heart disease" - 12 sessions over 2 months

Modified as necessary to be adapted for Medical & Nursing Students, ICU Nurses, Pediatrics Residents, Pediatric Cardiology Fellows.

2-"Introduction to ECMO + Hands-On Training" - 4 half-days

Modified as necessary to be adapted for ICU ECMO nurses, ICU residents, and Non ECMO-trained Physicians.

Privileging of Nurses and Physicians to manage patients on ECMO

3-"Clinical Skills" - 40 sessions over 12 months – Teaching the basics of History taking and physical examination of every organ system to 4<sup>th</sup> year (Med I) students.

4-"Learning Communities" - 12 sessions over 12 months – Interactive teaching of professionalism and various social skills to 4<sup>th</sup> year (Med I) medical students.

5-"Chest Drain Insertion Animal Workshop" – Technical workshop for Residents.

### **INFORMAL TEACHING**

1- Cardiac Surgery for the Pediatric Cardiologist (Fellow Level)

Teaching conferences for pediatric cardiology fellows.

Chest Tubes - Pacemakers - Cardiopulmonary bypass - Mitral Valve, ...

2- Weekly Medical-Surgical Meeting

Discuss scheduled patients & patients with problems or unusual anomalies.

3- Daily Operating Room Teaching

Addresses residents and fellows. This teaching is associated to transesophageal echocardiography teaching routinely performed before and after all surgeries.

4- Daily Bedside Teaching

Bedside teaching during rounds in the hospital wards and in the ICU.

Medical students, nurses, residents, and fellows, each at its own level.

5- Weekly Cardiothoracic Conferences

Prepared by medical students or residents.

6- Ad-Hoc Post-ECMO Debriefing Sessions in presence of the ECMO team.

**INTERNATIONAL MEETINGS: Invited Speaker/Organizer**

<b>2020</b>	<b>RIGHT VENTRICULAR SUPPORT IN CHILDREN</b>
Meeting:	SWAC ELSO
Country:	Johannesburgh, South-Africa
Role:	<b>Invited Speaker</b>
Meeting Profile:	<b>International</b>
Organization:	South-West Asian Chapter of ELSO (SWAC-ELSO)
<b>2020</b>	<b>TRACHEAL INJURY ON ECMO</b>
Meeting:	SWAC ELSO
Country:	Johannesburgh, South-Africa
Role:	<b>Invited Speaker</b>
Meeting Profile:	<b>International</b>
Organization:	South-West Asian Chapter of ELSO (SWAC-ELSO)
<b>2019</b>	-
Meeting:	MEMA - Middle East Medical Assembly
Country:	AUB - Beirut
Role:	<b>Scientific Committee</b>
Meeting Profile:	<b>International</b>
Organization:	AUBMC
<b>2018</b>	<b>CARDIAC ECMO IN NEONATAL AND PEDIATRIC PATIENTS</b>
Meeting:	SWAC ELSO
Country:	New-Delhi, INDIA
Role:	<b>Invited Speaker</b>
Meeting Profile:	<b>International</b>
Organization:	South-West Asian Chapter of ELSO (SWAC-ELSO)
<b>2018</b>	<b>ELEMENTS OF SUCCESS OF A PEDIATRIC HEART CENTER</b>
Meeting:	Seminaire International Coeur de l'Enfant
Country:	Algiers, ALGERIA
Role:	<b>Invited Speaker</b>
Meeting Profile:	<b>International</b>
Organization:	IBNI Foundation
<b>2015</b>	<b>3D PRINTING IN COMPLEX CONGENITAL CARDIAC ANOMALIES</b>
Meeting:	Mimics Innovation Summit
Country:	Brussels, Belgium
Role:	<b>Speaker</b>
Meeting Profile:	<b>International</b>
Organization:	Materialize 3D
<b>2014</b>	<b>STENOSES VALVULAIRES</b>
Meeting:	4èmes Rencontres Francophones Multidisciplinaires des Cardiopathies Congenitales
Country:	Bordeaux, FRANCE
Role:	<b>Invited Speaker</b>
Meeting Profile:	<b>International</b>
Organization:	RFMCC (Rencontres Francophones Multidisciplinaires des Cardiopathies Congénitales)

**2012**

-  
 Meeting: AFLBC (Association Franco-Libano-Belge de Cardiologie)  
 Country: BEIRUT  
 Role: **Scientific Committee**  
 Meeting Profile: **International**  
 Organization: Hotel-Dieu de France

**2011**

-  
 Meeting: 2èmes Rencontres Francophones Multidisciplinaires des Cardiopathies Congenitales  
 Country: Bordeaux, FRANCE  
 Role: **Scientific Committee**  
 Meeting Profile: **International**  
 Organization: RFMCC (Rencontres Francophones Multidisciplinaires des Cardiopathies Congénitales)

**REGIONAL MEETINGS: Invited Speaker/Organizer****2019**

**THE "IRON HEART" IN CHILDREN**  
 Meeting: 10th Pediatric Update Symposium  
 Country: BEIRUT  
 Role: **Speaker**  
 Meeting Profile: **Regional**  
 Organization: AUBMC/Department of Pediatrics

**2018**

**HOW TO IMPLEMENT A NATIONAL ECMO PROGRAM**  
 Meeting: 11<sup>TH</sup> Meeting of the LSCCM  
 Country: Beirut, Lebanon  
 Role: **Speaker**  
 Meeting Profile: **Local**  
 Organization: Lebanese Society of Critical Care Medicine

**2017**

**ECMO: PRINCIPLES AND CANNULATIONS**  
 Meeting: 1st Lebanese ECMO meeting  
 Country: AUB - Beirut  
 Role: **Organizer, Director & Speaker**  
 Meeting Profile: **Regional**  
 Organization: AUBMC

**2015**

**DUCT DEPENDENT ANOMALIES**  
 Meeting: 6th Pediatric Update Symposium  
 Country: AUB  
 Role: **Speaker**  
 Meeting Profile: **Regional**  
 Organization: AUBMC/Department of Pediatrics

**2014**

**CARDIAC SURGERY IN LOW BIRTH WEIGHT NEONATES**  
 Meeting: 5th NCPNN (National Collaborative Perinatal and Neonatal Network)  
 Country: BEIRUT  
 Role: **Speaker**  
 Meeting Profile: **Regional**  
 Organization: AUBMC

**2014**

Meeting: STATE OF THE ART CONGENITAL HEART SURGERY  
5th Pediatric Update Symposium  
Country: BEIRUT  
Role: **Speaker**  
Meeting Profile: **Regional**  
Organization: AUBMC/Department of Pediatrics

**2012**

Meeting: **LEFT VENTRICULAR ASSIST DEVICES**  
10th International congress on cardiology and cardiac surgery  
Country: BEIRUT  
Role: **Scientific Committee & Speaker**  
Meeting Profile: **International**  
Organization: Lebanese Society of Cardiology