

## Academics and Research

2015

### Peer reviewed Publications

#### **Different Paths to the Same End: A Response to the Question: Quo Vadis?**

KN Fenton; M Cardarelli. Letter to the Editor JTCVS 2015;63:80–82.

DOI: 10.1055/s-0034-1396597

#### **Reducing Mortality and Infections After Congenital Heart Surgery in the**

**Developing World.** Jenkins KJ, Castenda AR, Cherian KM, Couser CM, Dale EK, Gauvreau, Hickey PA, Kupiec JK, Morrow DF, Novick WM, Rangel SJ, Zheleva B, Christenson JT. Pediatrics 134;1422-30, 2015. DOI:

<https://doi.org/10.1542/peds.2014-0356>

#### **Dr William Novick Speaks to Dr Tom Karl, Interview**

Novick W, Karl TR.. Cardiol Young. 25:1-7;2015

DOI: <https://doi.org/10.1017/S1047951114002145>

### Oral Presentations

**Novick WM. Pulmonary Hypertension in Children with long-standing Left to Right Shunts: The Role of the Flap Valve Double Patch Closure.** 3rd Annual Iranian Combined Cardiology and Cardiac Surgery Conference, February 21-24, 2015. Tehran, Iran.

**Novick WM. The Fontan Operation; Current Status and Results.** 3rd Annual Iranian Combined Cardiology and Cardiac Surgery Conference, February 21-24, 2015. Tehran, Iran.

**Novick WM. Surgical Management of Pulmonary Atresia with VSD.** 3rd Annual Iranian Combined Cardiology and Cardiac Surgery Conference, February 21-24, 2015. Tehran, Iran

**Novick WM. Surgical Management of Pulmonary Atresia with VSD.** 2nd China Conference on Pediatric Development. October 1-3, 2015. Beijing, China.

**2016**

**Peer reviewed Publications**

**Surgical Correction of Truncus Arteriosus with Unusual Origin of the Right Coronary Artery**

Rodriguez H., Montero H., Fernandez A., Guzman A., Di Sessa T.

World Journal for Pediatric and Congenital Heart Surgery, Vol 7, Issue 3, 2016 (IF 0.70)

DOI: <https://doi.org/10.1177/2150135115596585>

**A Father's Broken Heart. Commentary to: Sade RM. It takes a heart to save a family.**

Fenton KN. Ann Thor Surg 2016;102:1782-9. (IF 3.85)

DOI:<https://doi.org/10.1016/j.athoracsur.2016.06.037>

**Does Declaration of Brain Death Serve the Best Interest of Organ Donors Rather Than Merely Facilitating Organ Transplantation?**

Clarke MJ, Fenton KN, Sade RM. Ann Thorac Surg. 2016 Jun;101(6):2053-8.

DOI:<https://doi.org/10.1016/j.athoracsur.2016.01.100>

**Role of Sildenafil in Management of Post-Operative Pulmonary Hypertension in Children** Younnus U, Ahmed I, Novick WM, et.al.. Eur J Pharm Med Res 3;481-84:2016.

[https://www.researchgate.net/profile/William-](https://www.researchgate.net/profile/William-Novick/publication/317357217_ROLE_OF_SILDENAFIL_IN_MANAGEMENT_OF_POST-OPERATIVE_PULMONARY_HYPERTENSION_IN_CHILDREN/links/593eeb150f7e9bf167cb1b6a/ROLE-OF-SILDENAFIL-IN-MANAGEMENT-OF-POST-OPERATIVE-PULMONARY-HYPERTENSION-IN-CHILDREN.pdf)

[Novick/publication/317357217\\_ROLE\\_OF\\_SILDENAFIL\\_IN\\_MANAGEMENT\\_OF\\_POST-](https://www.researchgate.net/profile/William-Novick/publication/317357217_ROLE_OF_SILDENAFIL_IN_MANAGEMENT_OF_POST-OPERATIVE_PULMONARY_HYPERTENSION_IN_CHILDREN/links/593eeb150f7e9bf167cb1b6a/ROLE-OF-SILDENAFIL-IN-MANAGEMENT-OF-POST-OPERATIVE-PULMONARY-HYPERTENSION-IN-CHILDREN.pdf)

[OPERATIVE\\_PULMONARY\\_HYPERTENSION\\_IN\\_CHILDREN/links/593eeb150f7e9bf167cb1b6a/ROLE-OF-SILDENAFIL-IN-MANAGEMENT-OF-POST-OPERATIVE-PULMONARY-HYPERTENSION-IN-CHILDREN.pdf](https://www.researchgate.net/profile/William-Novick/publication/317357217_ROLE_OF_SILDENAFIL_IN_MANAGEMENT_OF_POST-OPERATIVE_PULMONARY_HYPERTENSION_IN_CHILDREN/links/593eeb150f7e9bf167cb1b6a/ROLE-OF-SILDENAFIL-IN-MANAGEMENT-OF-POST-OPERATIVE-PULMONARY-HYPERTENSION-IN-CHILDREN.pdf)

**Repair of Truncus Arteriosus Type 1 in Nigeria: A case report**

Nwafor IA, Novick W, Adiele DK, Eze JC, Ezemba N, Chinawa JM, Nwafor M.. Vasc Med Surg. 4;1-3:2016.

DOI: <http://dx.doi.org/10.4172/2329-6925.1000264>

### **Oral Presentations**

#### **Post-Operative Complications and Mortality after Pediatric Cardiac Surgery in Low and Middle Income Countries. The Devil is in the Details**

Cardarelli, Polivenko, Molloy, Pyetkov, Chadikovski, Novick  
World Society of Pediatric and Congenital Heart Surgery Meeting  
October 28, 2016. Abu Dhabi

#### **Long-term Follow-up in Patients with Unidirectional Flap Valve VSD Closure.**

Zingg S., Kortebein, S., Brooksbank, J., Govolenko, A., Lazorhyshynets, V., Molloy, F., and Novick, W. 49th Southeastern Pediatric Cardiology Society Conference; September 17, 2016, Fort Lauderdale, FL.

**Pediatric Cardiac Disparities World-wide; A model to expand care.** UTHSC  
Surgical Grand Rounds, Novick W. Memphis, Tn., November 2016.

### **Posters**

#### **Prospective Randomized Trial on the Effects of Magnesium Infusion on Levels of Ionized Magnesium and Postoperative Arrhythmias in Congenital Heart Surgery. A Pilot Study**

Cardarelli, Polivenko, Molloy, Pyetkov, Chadikovski, Novick  
World Society of Pediatric and Congenital Heart Surgery Meeting  
October 28, 2016. Abu Dhabi

2017

**Peer reviewed Publications**

**Surgery and Outcomes for Transposition of the Great Arteries among Developing World Congenital Heart Surgery Programs.**

Schidlow DN, Jenkins KJ, Gauvreau K, Croti UA, Giang DTC, Konda RK, Novick WM, Sandoval NF, Castaneda A. *Jour Amer Coll Cardiol.* 69;43-51, 2017 (IF 16.83)

**Management of complex CHD at the National Cardiothoracic Center of Excellence, University of Nigeria Teaching Hospital, Enugu: the role of foreign cardiac missions in 3.5 years.**

Nwafor IA, Chinawa JM, Adiele DK, Arodiwe IO, Ezemba N, Eze JC, Omeje I, Arua OA, Novick W. *Cardiol Young* 26; 1-6, 2017. (IF 0.97)

**Development of a unifying target and consensus indicators for global surgical systems strengthening: Proposed by the Global Alliance for Surgery** Haider A, Scott JW, Gause CD, Meheš M, Hsiung G, Prelvukaj A, Yanocha D, Baumann LM, Ahmed F, Ahmed N, Anderson S, Angate H, Arfaa L, Asbun H, Ashengo T, Asuman K, Ayala R, Bickler S, Billingsley S, Bird P, Botman M, Butler M, Buyske J, Capozzi A, Casey K, Clayton C, Cobey J, Cotton M, Decklebaum D, Derbew M, deVries C, Dillner J, Downham M, Draisin N, Echinard D, Elneil S, ElSayed A, Estelle A, Finley A, Frenkel E, Frykman PK, Gheorghe F, Gore-Booth J, Henker R, Henry J, Henry O, Hoemeke L, Hoffman D, Ibanga I, Jackson EV Jr, Jani P, Johnson W, Jones A, Kassem Z, Kitembo A, Kocan A, Krishnaswami S, Lane R, Latif A, Levy B, Linos D, Linz P, Listwa LA, Magee D, Makasa E, Marin ML, Martin C, McQueen K, Morgan J, Moser R, Neighbor R, **Novick WM**, et.al., *Obstetrics, Trauma and Anesthesia Care (G4).* [World J Surg.](https://doi.org/10.1007/s00268-017-4028-1) 2017 May 15. doi: 10.1007/s00268-017-4028-1. [Epub ahead of print]

**Medical Missions for the Provision of Paediatric Cardiac Surgery in Low and Middle Income Countries** Molloy F.J., Nguyen N., Mize M., Wright G., St George-

Hyslop C., O'Callahan M., Scanlan E., Novick W.M.. Cardiol Young. 27(S6);S47-54:2017.

### **Book Chapters**

#### **Pediatric Cardiac Surgery in Emerging Countries**

Novick WM, Cardarelli M.

Cardiac Anesthesia in Infants and Children

Dabbagh A, Lubin L, Conte AH (eds)., Springer, February 2017, 981-984.

#### **Hypoplastic Left Heart Syndrome**

Novick WM.

Cardiac Anesthesia in Infants and Children

A. Dabbagh, MD, L. Lubin, MD & A. Hernandez Conte, MD, MBA

Springer International Publishing. Switzerland March 2017 ISBN: 978-3-319-44689-9

#### **Pulmonary hypertension in ventricular septal defects**

Novick WM, Sandoval N, Zzing SC..

Cardiologia Pediatrica, Second Edition, McGraw-Hill, Mexico City, June 2017, 334-40. ISBN-10 : 6077743747

### **Oral Presentations**

#### **Establishing Sustainable Cardiothoracic Surgery Programs in Underserved Countries**

Fenton K

Society of Thoracic Surgeons. Houston, USA 2017

#### **The Humanitarian Footprint. Contributions of Global Pediatric Cardiac Surgery to the Human Development Index of Low and Middle Income Countries**

Cardarelli, Vaikunth, Molloy, DiSessa, Sauter, Bowtell, Rivera, Mills, Novick

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Early results and long-term follow-up: Double patch flap valve VSD closure in patients with pulmonary hypertension and elevated pulmonary vascular resistance.**

Novick, Lazorhyshynets, Govolenko, Molloy, Cardarelli, Zing, Di Sessa.  
7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Adult Results for Children Undergoing USD Closure with the Double Patch for Pulmonary Hypertension and Elevated Pulmonary Vascular Resistance**

W.M. Novick, V.V. Lazorhyshynets, O.S. Golovenko, F.J. Molloy, M. Cardarelli, S.C. Zingg, I. Malčić, T.G. DiSessa.. Society of Thoracic Surgeons/European Association of Cardiothoracic Surgery 1<sup>st</sup> Annual Latin American Conference, Cartagena, Colombia. September 21-22, 2017.

**Tetralogy of Fallot Repair in Developing Countries: Results From the International Quality Improvement Collaborative.**

Sandoval, M. Carreño, W. M. Novick, R. Agarwa, A. Iftikhar, R. Balachandran, M. Ballestrini, K. M. Cherian, U. Croti, X. Du, K. Gauvrea, D. Giang, R. Shastry, K. J. Jenkins. Society of Thoracic Surgeons 54<sup>th</sup> Annual Meeting, Ft. Lauderdale, Fla., January 27-31, 2018.

**Supplemental bidirectional Glenn in residual outflow obstruction after Tetralogy of Fallot repair** Novick WM, Saleem K, Ahmed I, Sultan M, Ul Haq I, Younis U.. 26<sup>th</sup> Annual Meeting of the Asian Soc. Cardiovasc Thorac Surg., Moscow, Russia, May 24-27, 2018.

**Posters**

**Postoperative complications in pediatric cardiac surgery program with limited systemic resources.**

Polivenok I., Petkov A, Cardarelli M.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Value of Near Infrared Spectroscopy as a Proxy for Cardiac Output in an infant on Extracorporeal Membrane Oxygenation? A Case Report.**

Emperador; Cardarelli; Molloy; Forsberg; Rajah; Singh; Trpkovska; Chadikovski; Novick

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Results of International Assistance for Pediatric Heart Surgery Program in a Single Ukrainian Center.**

Polivenok I., Molloy F, Buchneva O., Gilbert C, Danton M, Dodge-Khatami A, Rao S, Breinholt J, Cardarelli M, Novick W.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Pediatric Cardiac Development Assistance In Iraq; 2010-2016**

Novick W., Molloy F., Cardarelli M., Gilbert C., Marr S., Bowtell K., Mindel A., Mansour A., Kareem D.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Reverse Szabo Technique For Stenting A Single Major Aortopulmonary Collateral Vessel In Pulmonary Atresia With Ventricular Septal Defect**

Polivenok I., Breinholt J, Rao S, Buchneva O.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Pediatric Cardiac Assistance and Development In Eastern Libya: 2012-2016**

Novick W., Amer W., Cardarelli M., Rodriguez H, Marr S., Bowtell K., Shaucheka P., Suslin E., Liauchonek S., Molloy F., El Oakley R.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**The Use of Fat-Free Separated Breast Milk And Partial (Lipid-Only) Parenteral Nutrition For Post Operative Chylothorax In A Resource Limited Setting - Case Report - Techniques And Lessons Learned.**

Molloy F., Stojanovic V., Trpkovska V., Chadikovski V., Shauchehka P., Cardarelli M.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

**Pediatric Cardiac Surgery Footprint - Its Global Impact On Human Development**

Cardarelli M., Mills K., Molloy F., Di Sessa T. Sauter E., Bowtell K., Rivera R., Novick W.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

## **Case Report: Aorto-Ventricular Tunnel**

Rodriguez H., Figueroa J., Quibrera J.A., Di Sessa T.

7<sup>th</sup> World Congress Pediatric Cardiology Cardiac Surgery 2017, Barcelona, Spain

## **2018**

### **Peer Reviewed Publications**

#### **Establishing Sustainable Cardiothoracic Surgery Programs in Underserved Countries**

Fenton, Cardarelli, Molloy, Novick. Thorac Cardiovasc Surgeon 2018; 66(08): 661-666

DOI: 10.1055/s-0038-1668598

#### **Tetralogy of Fallot Repair in Developing Countries: Results from the International Quality Improvement Collaborative.**

Sandoval N, Carreno M, Agarwal R, Ahmed I, Balachandran R, Balastrini M, Cherian K,

Croti U, Du X, Gauvreau K, Giang LTC, Novick WM, Shastry, RK, Jenkins KJ. Ann Thorac Surg. Jun 30. pii: S0003-4975(18)30900-7.

DOI: 10.1016/j.athoracsur.2018.05.080.

#### **Cost-effectiveness of Humanitarian Pediatric Cardiac Surgery Programs in Low- and Middle-Income Countries**

Cardarelli, Vaikunth, Mills; DiSessa; Molloy; Sauter; Bowtell; Rivera; Shin; Novick JAMA Open Network – November 16, 2018.

doi:[10.1001/jamanetworkopen.2018.4707](https://doi.org/10.1001/jamanetworkopen.2018.4707)

#### **Potential Deleterious Interactions Between Certain Chemical Compounds and Thermoplastic Polyurethane Membrane Oxygenators**

Forsberg, Novick, Cervantes, Lopez, Cardarelli. J Extra Corpor Technol. 2018;50:244–7

Link: [J Extra Corpor Technol.](#) 2018 Dec; 50(4): 244–247.

**Ethics in humanitarian efforts: when should resources be allocated to paediatric heart surgery?.**



Fenton, **Cardarelli**, Molloy, Novick. *Cardiology in the Young* Oct 2018  
doi: 10.1017/S1047951118001713

**Ethics in humanitarian efforts: giving due credit to the local team**

Kathleen N. Fenton, Frank Molloy, William M. Novick  
*Cardiology in the Young* , Volume 29 , Issue 2 , February 2019 , pp. 195 - 199  
DOI: <https://doi.org/10.1017/S1047951118002081>

**Book Chapters**

**The Ethics, Power and Influence of Leadership.**

Novick WM, Fenton KN.  
Fundamentals of Leadership for Healthcare Professionals.  
Firstenberg M and Stawicki S, (eds.) Nova Publishing, Hauppauge, NY.  
ISBN-13: 978-1536136203

**Oral Presentations**

**Tetralogy of Fallot Repair in Developing Countries: Results From the International Quality Improvement Collaborative.** N. F. Sandoval, M. Carreño, W. M. Novick, R. Agarwa, A. Iftikhar, R. Balachandran, M. Ballestrini, K. M. Cherian, U. Croti, X. Du, K. Gauvrea, D. Giang, R. Shastry, K. J. Jenkins.  
Society of Thoracic Surgeons 54th Annual Meeting, Ft. Lauderdale, Fla., January 27-31, 2018.

**Dogma, The Division of Waters and 30-day Wet-Priming Storage**

Forsberg, Cardarelli, Lopez, Cervantes, Novick. AmSECT 56th International Conference, April 28th-May 01st, 2018 San Diego, CA

**The Devoted Grandma; Is a Social Indication for TAVR Acceptable?** Carpenter AJ, Novick WM, Sade RM. Ethics Debate: 65th Annual Southern Thoracic Surgical Association Meeting, Amelia Island, Fl., November 7-10, 2018.

**Bi-Directional Glenn in Resource Limited Settings. How Safe is the Off Pump Option And Does it Reduce The Cost Of Care?**

STS/EACTS Latin America Cardiovascular Surgery Conference, Cartagena, Colombia, November 15-17, 2018

**"Ethics in Humanitarian Efforts: When Should Resources Be Allocated to Pediatric Heart Surgery?"**

K. Fenton, M. Cardarelli, W. Novick.

13<sup>th</sup> World Conference on Bioethics, Medical Ethics and Health Law. Nov 27<sup>th</sup>-29<sup>th</sup>, 2018

Jerusalem, Israel

**Posters**

**Persistent left superior vena cava with absent right superior vena cava in a patient with a secundum atrial septal defect**

Cifuentes, Louis, Barreno, Gelatt, Maldonado, Cardarelli.

56<sup>th</sup> Annual Meeting of the Eastern Cardiothoracic Surgical Society October 17-20, 2018 Clearwater, FL

**Senning in the times of Jatene**

Novick, Maldonado, Montero, Cifuentes, Molloy, Fernandez-Alvarado, Cardarelli

6<sup>th</sup> Scientific Meeting World Society of Pediatric and Congenital Heart Surgery.

July 22<sup>nd</sup>-26<sup>th</sup>, Orlando FL, USA

**The Cost-Effectiveness of a Pediatric Cardiac Surgery Program Development To Outsource or to Develop.**

Cardarelli, Chadikovski, Novick. STS/EACTS Latin America Cardiovascular Surgery Conference, Cartagena, Colombia, November 15-17, 2018

**Nutritional Status of Selected CHD in Low and Middle Income Countries**

Molloy, Cardarelli, Novick. Pediatric Cardiac Intensive Care Society (PCICS) 14th annual meeting Miami Dec 14-16, 2018

**2019**

**Peer-Reviewed Publications**

**The Recalcitrant Non-informed Patient**

Novick W

Annals of Thoracic Surgery, December 2019 Volume 108, Issue 6, 1608–1609

DOI:<https://doi.org/10.1016/j.athoracsur.2019.08.003>

**The Devoted Grandma: Is a Social Indication for TAVR Acceptable?**

Carpentier, Novick, Sade

Annals of Thoracic Surgery, July 2019 Volume 108, Issue 1, Pages 5–10

DOI:<https://doi.org/10.1016/j.athoracsur.2019.02.038>

**Cardiac Surgical Missions: What works, what does not, where we need to go from here.**

I.Polivenok, M.Gellat, M.Cardarelli

Current Opinion in Cardiology 2019,

DOI: [10.1097/HCO.0000000000000691](https://doi.org/10.1097/HCO.0000000000000691)

**Pediatric Cardiac Service Development Programs for Low- and Middle-Income Countries in Need of Improving or Initiating Local Services**

W. M Novick, F. Molloy, K. Bowtell, B. Forsberg, M. Pavanić, S. Rao, Y. Muñoz, M Cardarelli. Frontiers in Pediatrics 2019 Vol7 2019 Pg359

<https://www.frontiersin.org/article/10.3389/fped.2019.00359>

DOI: [10.3389/fped.2019.00359](https://doi.org/10.3389/fped.2019.00359)

**Results of International Assistance for a Paediatric Heart Surgery Programme in a Single Ukrainian Centre**

Polivenok, Molloy, Gilbert, Danton, Dodge-Khatami, Rao, Breinholt, Cardarelli, Penk, Novick

Cardiology in the Young 2019 (<https://doi.org/10.1017/S1047951118002457>)

**Bidirectional Glenn for residual outflow obstruction in Tetralogy of Fallot**

Saleem K, Ahmed I, Sultan M, Haq I, Younus U, and Novick WM

Cardiology in the Young 2019 . doi: 10.1017/S1047951119000866

**Linking world bank development indicators and outcomes of congenital heart surgery in low-income and middle-income countries: retrospective analysis of quality improvement data.**

Sarah Rahman; Bistra Zheleva; K M Cherian; Jan T Christenson; Kaitlin E Doherty

David de Ferranti; Kimberlee Gauvreau; Patricia A Hickey; Raman Krishna Kumar

Jennifer K Kupiec; William M Novick; Nestor F Sandoval; Kathy J Jenkins

BMJ Open 2019;9:e028307. doi:10.1136/bmjopen-2018-028307

**Single-Ventricle Palliation in Low- and Middle-Income Countries**

D. N. Schidlow, K. Gauvreau, K.M. Cherian, et al

Journal of the American College Of Cardiology Vol. 74, NO. 7, 2019

**Ethics in humanitarian efforts: giving due credit to the local team.**

Fenton KN, Molloy F, Novick WM.

Cardiology in the Young Vol 29 Issue 2 Feb 2019 195-199

doi: 10.1017/S1047951118002081

**Ethics in humanitarian efforts: when should resources be allocated to paediatric heart surgery?.**

Fenton KF, Cardarelli M, Molloy F, Novick WM. (2019)

Cardiology in the Young 29: 36–39. doi: 10.1017/S1047951118001713

**Complex Re-operative Surgery: A Good Physical Exam Could Be Critical**

W Novick et al

International Journal of Critical Illness and Injury Science, In Print

**What's new in Academic International Medicine? Highlighting the need for establishing a national accreditation system for International Medical Programs.**

Stawicki SP, Galwankar S, Garg M et.al. International Journal of Academic

Medicine 2019;5:151-55.

**Persistent left superior vena cava with absent right superior vena cava in a patient with a secundum atrial septal defect**

Cifuentes, Louis, Perez, Barreno, Gellat, Cardarelli,  
Journal of Cardiology & Current Research Dec 2019  
DOI: 10.15406/jccr.2019.12.00459

**Posters**

**The Papers We Write and Their 30-year Survival**

Cardarelli, Liauchonak, Cifuentes, Mills, Molloy, Novick  
ECHSA-WSPCHS Meeting 2019 Sofia, Bulgaria June20-22, 2019.

**Persistent Left Superior Vena Cava with Absent Right Superior Vena Cava in a Patient with a Secundum Atrial Septal Defect**

Renzo Cifuentes, C. Louis, B. Barreno, D. Maldonado, M. Gelatt, M. Cardarelli  
ECTSS 56th Annual Meeting October 16-19, 2019 Naples, Florida

**2020**

**Peer-Reviewed Publications**

**COVID-19 Disruption of Pediatric Cardiac Surgery Services in Low and Middle Income Countries.** Novick W, Cardarelli M. June 2020  
doi:10.25373/ctsnet.12541493

**Building Sustainable Pediatric Cardiac Programs in LMICs, featuring Dr William Novick and the Novick Cardiac Alliance.** Novick W, Cardarelli M, Marr S, et al. June 2020. doi:10.25373/ctsnet.12493667

**Perioperative complications in a pediatric cardiac surgery program with limited systemic resources** I V Polivenok W M Novick A V Pyetkov, M Cardarelli  
Cardiology in the Young (DOI: <https://doi.org/10.1017/S1047951120002486>)

**The Global Unmet Need of Congenital Heart Surgery: A Quantitative Analysis of the Global Burden of Disease** D Vervoort, MD M. Cardarelli, MD, MPH Cardiology in the Young , Volume 30 , Issue 11 , November 2020 , pp. 1688 - 1693  
DOI: <https://doi.org/10.1017/S1047951120002577>

**Global health initiatives in cardiothoracic surgery: Ethical considerations and guidelines.** Fenton KN, Novick WM, Entwistle JW, Moffatt SD, Sade RM, for the Cardiothoracic Ethics Forum JTCVS Vol 161, Issue 6, 2114-2118  
<https://doi.org/10.1016/j.jtcvs.2020.05.084>

**Global health initiatives in cardiothoracic surgery: Ethical considerations and guidelines.** Fenton KN, Novick WM, Entwistle JW, Moffatt SD, Sade RM, for the Cardiothoracic Ethics Forum\*. Vol. 111 Issue 1 p24–28  
DOI: <https://doi.org/10.1016/j.athoracsur.2020.05.010>

**Global health initiatives in cardiothoracic surgery: Ethical considerations and guidelines.** Fenton KN, Novick WM, Entwistle JW, Moffatt SD, Sade RM, for the Cardiothoracic Ethics Forum\*. Global health initiatives in cardiothoracic surgery: Ethical considerations and guidelines. Asian Ann Cardiovasc Thorac Surg. 2020; <https://doi.org/10.1177/0218492320974504>

**The evolution of aortic valve therapies -the surgeon's perspective.**  
Firstenberg M, Novick WM. Srce i krvni sudovi 2020; 39(3): 95-102

## **Abstracts**

**Early and Late Results of Closure of Ventricular Septal Defect with Traditional or Uni-directional Flap Valve Techniques in Children with Severe Pulmonary Hypertension and Elevated Pulmonary Vascular Resistance.** O. Golovenko, V. Lazorhyshynets, L. Prokopovych, , Y. Truba, , T. Disessa, , W. Novick,  
European Association Cardio-Thoracic Surgery – Barcelona October 2020

**Late Results Following Closure of Ventricular Septal Defects with Elevated Pulmonary Vascular Resistance and Pulmonary Hypertension Using the Flap Valve Double Patch Technique**

W. Novick; V. Lazoryshynets; O. Golovenko; M. Cardarelli; F. Molloy; V. Dedovich, Southern Thoracic Surgical Association 67<sup>th</sup> Annual Meeting Nov 4-7<sup>th</sup> 2020, Orlando Florida

**Early And Late Risk Of Mortality Or Development Of Severe Pulmonary Hypertension Following Closure Of Ventricular Septal Defects In Children With Severe Pulmonary Hypertension And Elevated Pulmonary Vascular Resistance Using Traditional Or Uni-directional Flap Valve Patch Closure.**

**William M Novick**,; Oleksandr Golovenko, Vasyl Lazorhyshynets, Vitaly Dedovich,, Iryna Perepeka, Maya Rudenko, Lilia Prokopovych; Thomas G DiSessa  
American Heart Association 2020

**Webinars**

**Disrupcion Servicios de Cirugia Cardiaca Pediatrica durante la Pandemia de Covid-19 en paises de ingresos medianos y bajos.**

Cardarelli

1ras Jornadas Virtuales- Sociedad Argentina Cardiologia – Tucuman, July 2020.

**Virtual Abstracts**

**Surgical Misions in Developing Countries. Managing the Surprise.**

Muñoz Perez Y., Cardoso H., Cardarelli M. ALAP Meeting May 2020

**2021**

**Book Chapter**

**Global Cardiothoracic Workforce 2020 (Submitted June 2020)**

M Cardarelli

Cardiac Surgery Capacity Development in Low and Middle Income Countries.

Cardiac Surgery Capacity Development in Low and Middle Income Countries.  
Editor: Jacques Kpodonu, MD, FACC  
Springer International Publishing. Switzerland. ISBN 978-3-030-83863-8

**Ethical Considerations for Global Pediatric Cardiac Surgical Assistance Programs.**  
Novick WM. Bioethics in Medicine and Society. 2021  
DOI: <http://dx.doi.org/10.5772/intechopen.96599>

**Costing and Health Systems Financing of Global Cardiac Surgery. Cardiac Surgery Capacity Development in Low and Middle Income Countries.** Vervoort D, Novick WM, Pezella T. J. Cardiac Surgery Capacity Development in Low and Middle Income Countries. Editor: Jacques Kpodonu, MD, FACC  
Springer International Publishing. Switzerland. ISBN 978-3-030-83863-8

## Webinars

**Congenital Heart Academy-Pan Arab Congenital Heart Disease Association  
“A Life for the Children”.** Novick W.  
[https://www.youtube.com/watch?v=xdnCNS\\_W9eA&t=900s](https://www.youtube.com/watch?v=xdnCNS_W9eA&t=900s)

**AmSECT Perfusion Without Borders**  
Novick Cardarelli  
<https://youtu.be/RI51dVD3iK0>

## Authored Content

**Libyan Children’s Lives Should Not be Subjected to political infighting.** Novick WM. Libyan Herald. October 11, 2016.  
[www.Libyaherald.com/2016/10/12/letter-to-the-editor-libyan-childrens-likes-should-not-be-subjected-to-political-infighting](http://www.Libyaherald.com/2016/10/12/letter-to-the-editor-libyan-childrens-likes-should-not-be-subjected-to-political-infighting)

**Libya’s Fighting is Leading to Loss of Life of its’ Children with Heart Conditions.**  
Novick WM. Libya Herald, 2019, July 18.



[www.Libyaheerald.com/2019/07/18/letter-to-the-editor-libyas-fighting-is-leading-to-loss-of-life-of-its-children-with-heart-conditions](http://www.Libyaheerald.com/2019/07/18/letter-to-the-editor-libyas-fighting-is-leading-to-loss-of-life-of-its-children-with-heart-conditions)