

## **CURRICULUM VITAE**

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**Faculty/Dept:** Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel/  
Cardiology

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**Date & Place of Birth:** October 30, 1979, Germany

**Date of Arrival in Israel:** January 1980

<b>ZAHAL (Israeli)</b>	<u>1998</u>	<u>1999</u>
<b>Military Service:</b>	(Enlisted)	(Discharged)

**Marital Status:** Married, 2 children

## **A. EDUCATION**

### **PERIODS OF STUDIES**

2000-2006           Budapest-Semmelweis University, Budapest, Hungary  
Subject: Medicine

**MD degree [Magna Cum Laude]**

Title of Doctoral Dissertation: Cannabis as a trigger for schizophrenia  
Supervisors: Dr. Polgar Patricia

Date Awarded: 2006  
MD License No.: 1-87825

2010-2011           Internal Medicine Board Examinations  
Specialist License No. 1-2066

2014                      Cardiology Board Examinations  
Specialist License No. 1-4057

## **C. ACADEMIC & PROFESSIONAL ACTIVITIES & ACHIEVEMENTS**

### ***C1. Academic Experience:***

2004-2005              Tutor (Pathology), Department of Medicine,  
Semmelweiss University, Budapest, Hungary

2009                      Lecturer, Department of Medicine E, Rabin Medical Center – Beilinson  
Hospital, Petach Tikva; Sackler Faculty of Medicine, Tel Aviv  
University, Tel Aviv, Israel

2010                      Clinical Instructor (Medical Program)  
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

2010                      Tutor, Department of Medicine E, Rabin Medical Center – Beilinson  
Hospital, Petach Tikva; Sackler Faculty of Medicine, Tel Aviv  
University, Tel Aviv, Israel

2010                      Lecturer (Intensive Care Course), Dina Academic School of Nursing,  
Rabin Medical Center – Beilinson Hospital; Sackler Faculty of  
Medicine, Tel Aviv, Israel

2011                      Tutor, Department of Medicine E, Rabin Medical Center – Beilinson  
Hospital, Petach Tikva; Sackler Faculty of Medicine, Tel Aviv  
University, Tel Aviv, Israel

2012                      Tutor, Department of Cardiology, Rabin Medical Center – Beilinson  
Hospital, Petach Tikva; Sackler Faculty of Medicine, Tel Aviv  
University, Tel Aviv, Israel

2015-2018              Tutor-Clinical Rotations 4<sup>th</sup>-6<sup>th</sup> year, Department of Cardiology, Rabin  
Medical Center – Beilinson Hospital, Petach Tikva; Sackler Faculty of  
Medicine, Tel Aviv University, Tel Aviv, Israel

2015-2018              Tutor for cardiology, ‘Geshher-Kal” course (Clinical Medical Approach),  
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

2015-2018              Lecturer for cardiology, “Yakar” course (Clinical Medical Approach),  
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

2017-2018              Tutor for Continuing Education - Internal Medicine, Cardiology Course  
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

2017-2018              Tutor for Paramedics Clinical Rotation in the CCU, Department of  
Cardiology, Rabin Medical Center – Beilinson Hospital, Petach Tikva.

- 2018                      Lecturer - CCU bootcamp- for young fellows in cardiology, Herzelia, Israel, Israel Heart Society.
- 2016-2018                Lecturer- Cardiology exam preparation course- for cardiology fellows, Cesarea, Israel, Israel Heart Society

***C2. Professional Experience:***

- Aug 2005                Elective Rotation, Department of Surgery, Mount Sinai Medical Center, The Mount Sinai Hospital, New York, USA
- 2007-2008                Internship, Department of Medicine E, Rabin Medical Center - Beilinson Hospital, Petach Tikva, Israel
- 2008-2011                Resident, Department of Internal Medicine, Rabin Medical Center - Beilinson Hospital, Petach Tikva, Israel
- 2011-2014                Resident, Department of Cardiology, Rabin Medical Center - Beilinson Hospital, Petach Tikva, Israel
- 2015                      Elective Rotation, Cardiac Intensive Care Unit, Columbia University Medical Center, New York Presbyterian Hospital, New York, USA
- 2016                      Elective Rotation, Intensive Care Unit, Rabin Medical center, Beilinson Hospital, Petach Tikva, Israel
- 2017                      Elective Rotation, Cardiac Intensive Care Unit, Royal Brompton Hospital, London, England.

***C2. Professional Experience: Current Positions***

- 2015-                      Senior Cardiologist- Cardiac Care Unite
- 2015-                      Director of the TAVI screening clinic and Follow up.
- 2016-                      Director of the Endocarditis Team, Rabin Medical Center.

***Courses***

- 2009                      CME – Updates in Internal Medicine course, Harvard Medical School, Boston, MA, USA
- 2012                      Good Clinical Practice (GCP) course
- 2013                      Certification for Brain Death Determination course  
License No.:3016

- 2013, 2016 ACLS course
- 2017 Training and Simulation courses:  
1. Respiration. 2. Central line insertion  
Simultech-The Center for Medical Simulation of the General Health
- 2018 Mangement Course- Deputy Director- Clalit Health Care- Directors program.  
Training center, Beilinson Hospital, Petach Tikva, Israel
- 2018 ECMO course – Royal Paworth, Cambridge, England

**C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS**

<b>Date</b>	<b>Country</b>	<b>Name of Meeting</b>	<b>Role</b>
2010	Tel Aviv, Israel	57th Annual Congress of the Israel Heart Society Association	Poster
2012	Tel Aviv, Israel	59 <sup>th</sup> Annual Congress of the Israel Heart Society Association	2 Oral presentations
2012	Munich, Germany	ESC Congress 2012	Poster
2013	Jerusalem, Israel	60 <sup>th</sup> Annual Congress of the IHS in association with the ISCS	3 Oral presentations
2013	Amsterdam, The Netherlands	ESC Congress 2013	2 Posters
2013	San Francisco, USA	TCT Congress	Poster
2014	Tel Aviv, Israel	61 <sup>st</sup> Annual Congress of the IHS in association with the ISCS	4 Oral presentations
2014	Paris, France	EuroPCR	2 Oral presentations, Poster

**C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS**

<b>Date</b>	<b>Country</b>	<b>Name of Meeting</b>	<b>Role</b>
2016	Tel Aviv, Israel	63 <sup>rd</sup> Annual Congress of the IHS in association with the ISCS	Oral presentation
2016	Paris, France	EuroPCR	2 Oral presentations
2016	London, England	London-Valve- PCR	Participation
2017	Tel Aviv, Israel	Acute Cardiac Care Conference	Oral presentation
2017	London, England	ACCA Maserclass	Participation
2017	Tel Aviv, Israel	64 <sup>rd</sup> Annual Congress of the IHS in association with the ISCS	2 Oral presentations
2017	Galil, Israel	Cardio-Femm- 2017	2 oral presentations
2017	London, England	London-Valve- PCR	Participation
2018	Tel Aviv, Israel	65 <sup>rd</sup> Annual Congress of the IHS in association with the ISCS	1 Oral presentations
2018	Tel Aviv, Israel	Acute Cardiac Care Conference	Oral presentation
2018	Paris, France	EuroPCR	1 Oral presentations 1 Poster
2018	Tel-Aviv, Israel	3 <sup>rd</sup> conference of the Israel Society of Resuscitation	1 oral presentation
2018	Galil, Israel	Cardio-Femm- 2018	Participation

**C4. MEMBERSHIP IN PROFESSIONAL SOCIETIES**

<b>Years (period)</b>	<b>Name of Organization</b>
2008-2018	Israel Heart Society
2009-2018	European Society of Cardiology
2009-2018	American Heart Association
2016-2018	Acute Cardiac Care Association- Silver membership

**F. GRANTS**

- Jan 2012                      Research Grant -Principal Investigator  
Granted by the Research Grant for Young Doctors, Rabin Medical  
Center – Beilinson Hospital, Petach Tikva, Israel  
Total Amount: \$10,000
- Jul 2012                      Scholarship  
Israeli Heart Society Educational Program Grant for Participating in  
the ESC Congress  
Total Amount: 1500 EUR
- Apr 2015                      Scholarship  
American Friends of Rabin Medical Center Clinical Observational  
Grant for visiting Columbia Presbyterian University Hospital  
Total Amount: \$10,000
- Apr 2017                      Scholarship  
Israeli Heart Society –The Israel working group on Intensive Cardiac  
Care –A Grant in memorial of prof. Aria Ruth for a fellowship in  
intensive care -visiting the Royal Brompton Hospital in London  
Total Amount: 20,000 ILS

*Ongoing Research Topics*

- 2010-2012 Early detection of intra and extra-cardiac complications in patients with infective endocarditis using positron emission tomography (PET) (Study Investigator)
- 2011-2012  $\beta_2$  (Beta) adrenergic agonist for treatment of heart failure (Study Investigator)
- 2011-2012 Monitoring platelet function in patients treated with thienopyridine drugs and planned for coronary bypass surgery: Correlation with surgical bleeding parameters (Study Investigator)
- 2012 High on treatment platelet reactivity (HTPR) and association to stroke risk in patients undergoing transaortic valve implantation (Investigator)
- 2010-2012 TAVI cognition study (Sub-investigator)
- 2011-2012 Hippocrates study-(Sub-investigator)
- 2012-2014 MATTIS study (clinical trials #NCT01643031) (Sub-investigator)
- 2014-2015 ODYSSEY (Sub-investigator)
- 2015-2016 SPIRE 1 and 2 (Sub-investigator)
- 2015-2016 Re-dual PCI (Sub-investigator)
- 2015-2016 VIVA (Sub-investigator)
- 2016-2017 Twilight (Sub-investigator)
- 2016-2017 Estimation of Myocardial Extracellular Volume Fraction with Cardiac CT in Patients Undergoing Transcatheter Aortic Valve Implantation. (Sub-investigator)
- 2015-2017 Intervention to improve drug adherence in cardiac patients, (Sub-investigator)
- 2016-2017 Early in-hospital initiation of pharmacotherapy for smoking cessation, oronary syndrome (ACS). (Sub-investigator)
- 2017-2018 Does the Human Gut Microbiome Serve as a Novel Personalized Therapeutic Target for coronary Atherosclerosis (Sub-investigator)
- 2017-2018 Chiara-mia 2 (Sub-investigator)

- 2017-2018 Reticulated Platelets in Patients with Takotsubo Cardiomyopathy. (Primary Investigator)
- 2017-2018 Long Term Israel TAVI Durability “LIABILITY”- STUDY (Sub-investigator)
- 2018 Acute Coronary Syndrome Israeli Survey- ACSIS- Reticulated Platelets in Patients with Takotsubo Cardiomyopathy. (Sub-investigator)
- 2018 MedImmune- MEDI6012 (REAL TIMI 63B), sub- investigator
- 2018 Evolut-PRO followup
- 2018 - Prognostic Utility of Soluble TREM-1 in Predicting Mortality in MI (Sub-investigator)
- 2018- PARADISE MI (Sub-investigator)

## **G. AWARDS**

- 2015 Outstanding Cardiology Resident Annual Prize, Rabin Medical Center – Beilinson Hospital, Petach Tikva, Israel
- 2017 Outstanding publication in scientific journal - 2<sup>nd</sup> place, 64<sup>rd</sup> Annual Congress of the IHS in association with the ISCS

## SCIENTIFIC PUBLICATIONS

### **B.1. ORIGINAL ARTICLES**

#### ***B.1. Articles Published***

1. Mager A, Orvin K, Koren-Morag N, Lev IE, Assali A, Kornowski R, Shohat M, Battler A, Hasdai D.  
Impact of homocysteine-lowering vitamin therapy on long-term outcome of patients with coronary artery disease.  
Am J Cardiol. 2009;104(6):745-49.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 49/124, Q2, IF 3.171, No. of Citations 28)**
2. Eisen A, Kornowski R, Vaduganathan M, Lev E, Vaknin-Assa H, Bental T, Orvin K, Brosh D, Rechavia E, Battler A, Assali A.  
Retroperitoneal bleeding after cardiac catheterization: a 7-year descriptive single-center experience.  
Cardiology. 2013;125(4):217-22.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 70/124, Q3, IF 1.714, No. of Citations 4)**
3. Orvin K, Kornowski R, Bishara J, Bental T, Levi A, Noam N, Iakobishvili Z, Porter A, Sagie A, Goldberg E.  
The frequency and prognostic impact of Fever following transcatheter aortic valve implantation.  
Cardiology. 2014;127(3):203-10.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 70/124, Q3, IF 1.714, No. of Citations 6)**
4. Orvin K, Dvir D, Weiss A, Assali A, Vaknin-Assa H, Shapira Y, Gazit O, Sagie A, Kornowski R.  
Comprehensive prospective cognitive and physical function assessment in elderly patients undergoing transcatheter aortic valve implantation.  
Cardiology. 2014;127(4):227-35.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 70/124, Q3, IF 1.714, No. of Citations 13)**

**B.1. Articles Published**

5. Arnsion Y, Suleiman M, Glikson M, Sela R, Geist M, Amit G, Schliamser JE, Goldenberg I, Ben-Zvi S, **Orvin K**, Rosenheck S, Adam Freedberg N, Strasberg B, Haim M.  
Role of defibrillation threshold testing during implantable cardioverter-defibrillator placement: Data from the Israeli ICD Registry.  
Heart Rhythm. 2014;11(5):814-21.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 25/124, Q1, IF 4.743, No. of Citations 12)**
6. Perl L, Zemer-Wassercug N, Rechavia E, Vaduganathan M, **Orvin K**, Weissler-Snir A, Lerman-Shivek H, Kornowski R, Lev EI.  
Comparison of platelet inhibition by prasugrel versus ticagrelor over time in patients with acute myocardial infarction.  
J Thromb Thrombolysis. 2015;39(1):1-7.  
**(PERIPHERAL VASCULAR DISEASE 44/63, Q3, IF 2.620, No. of Citations 10)**
7. **Orvin K**, Goldberg E, Bernstine H, Groshar D, Sagie A, Kornowski R, Bishara J.  
The role of FDG-PET/CT Imaging in Early Detection of Extra-cardiac Complications of Infective Endocarditis.  
Clin Microbiol Infect. 2015;21(1):69-76.  
**(INFECTIOUS DISEASES 10/83, Q1, IF 4.575, No. of Citations 9)**
8. Vaduganathan M, Zemer-Wassercug N, Rechavia E, Lerman-Shivek H, Perl L, Leshem-Lev D, **Orvin K**, Kornowski R, Lev EI.  
Relation between ticagrelor response and levels of circulating reticulated platelets in patients with non-ST elevation acute coronary syndrome.  
J Thromb Thrombolysis. 2015;40(2): 211-17.  
**(PERIPHERAL VASCULAR DISEASE 44/60, Q3, IF 1.884, No. of Citations 6)**
9. Reinstein E, **Orvin K**, Tayeb-Fligelman E, Stiebel-Kalish H, Tzur S, Pimienta AL, Bazak L, Bengal T, Cohen L, Gatton DD, Bormans C, Landau M, Kornowski R, Shohat M, Behar DM.  
Mutations in TAX1BP3 cause dilated cardiomyopathy with septo-optic dysplasia.  
Hum Mutat. 2015;36(4):439-42.  
**(GENETICS & HEREDITY 25/166, Q1, IF 5.089, No. of Citations 8)**

***B.1. Articles Published***

10. **Orvin K\***, Eisen A\*, Goldenberg I, Farkash A, Gevriellov-Yusim N, Iakobishvili Z, Hasdai D. [Equal Contribution]  
The proxy of renal function that most accurately predicts short- and long-term outcome after acute coronary syndrome.  
Am Heart J. 2015;169(5):702-12.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 26/124, Q1, IF 4.332, No. of Citations 2)**
11. Eisen A, Leshem-Lev D, Yavin H, **Orvin K**, Mager A, Rechavia E, Bental T, Dadush O, Battler A, Kornowski R, Lev El.  
Effect of High Dose Statin Pretreatment on Endothelial Progenitor Cells After Percutaneous Coronary Intervention (HIPOCRATES Study).  
Cardiovasc Drugs Ther. 2015;29(2):129-35.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 42/124, Q2, IF 3.189, No. of Citations 1)**
12. Zemer-Wassercug N, Haim M, Leshem-Lev D, **Orvin K**, Vaduganathan M, Gutstein A, Kadmon E, Mager A, Kornowski R, Lev EL.  
The effect of dabigatran and rivaroxaban on platelet reactivity and inflammatory markers.  
J Thromb Thrombolysis. 2015;40(3):340-6.  
**(PERIPHERAL VASCULAR DISEASE 44/63, Q3, IF 1.884, No. of Citations 6)**
13. **Orvin K**, Assali A, Vaknin-Assa H, Levi A, Greenberg G, Codner P, Shapira Y, Sagie A, Kornowski R.  
Efficacy and Safety of Transcatheter Aortic Valve Implantation in Aortic Stenosis Patients With Extreme Age.  
J Invasive Cardiol. 2015;27(10):475-80.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 102/124, Q4 ,IF 1.112, No. of Citations 2)**
14. Witberg G, Lavi I, Harari E, Shohat T, **Orvin K**, Codner P, Vaknin-Assa H, Assali A, Kornowski R.  
Effect of coronary artery disease severity and revascularization completeness on 2-year clinical outcomes in patients undergoing transcatheter aortic valve replacement.  
Coron Artery Dis. 2015;26(7):573-82.  
**(CARDIAC & CARDIOVASCULAR SYSTEM S 83/124, Q3, IF 1.553, No. of Citations 1)**

***B.1. Articles Published***

15. Codner P, **Orvin K**, Assali A, Sharony R, Vaknin-Assa H, Shapira Y, Schwartzberg S, Bental T, Sagie A, Kornowski R. Long-Term Outcomes for Patients With Severe Symptomatic Aortic Stenosis Treated With Transcatheter Aortic Valve Implantation. Am J Cardiol. 2015;116(9):1391-8.  
***(CARDIAC & CARDIOVASCULAR SYSTEMS 43/124, Q2, IF 3.154, No of Citations 3)***
16. **Orvin K**, Eisen A, Perl L, Zemer-Wassercug N, Codner P, Assali A, Vaknin-Assa H, Lev El, Kornowski R. Platelet reactivity in patients undergoing transcatheter aortic valve implantation. J Thromb Thrombolysis. 2015;42(1):11-8.  
***(PERIPHERAL VASCULAR DISEASE 44/63, Q3, IF 1.884, No of Citations 0)***
17. Weissler-Snir A, Shapira Y, Sagie A, Kazum S, Assali A, Vaknin-Assa H, Bental T, Codner P, **Orvin K**, Kornowski R, Vaturi M. Determinants of Left Ventricular Mass Regression in Patients with Severe Symptomatic Aortic Stenosis Undergoing Transcatheter Aortic Valve Implantation. J Heart Valve Dis. 2015;24(3):272-9.  
***(CARDIAC & CARDIOVASCULAR SYSTEMS 115/124, Q4 ,IF 0.715, No. of Citations 0)***
18. Codner P, Assali A, Vaknin-Assa H, Shapira Y, **Orvin K**, Sharony R, Sagie A, Kornowski R. Treatment of Aortic, Mitral and Tricuspid Structural Bioprosthetic Valve Deterioration Using the Valve-in-Valve Technique. J Heart Valve Dis. 2015;24(3):345-52.  
***(CARDIAC & CARDIOVASCULAR SYSTEMS 115/124, Q4 ,IF 0.715, No. of Citations 0)***
19. **Orvin K**, Eisen A, Goldenberg I, Gottlieb S, Kornowski R, Matetzky S, Golovchiner G, Kuznietz J, Gavriellov-Yusim N, Segev A, Strasberg B, Haim M. Outcome of contemporary acute coronary syndrome complicated by ventricular tachyarrhythmias. Europace. 2016;18(2):219-26  
***(CARDIAC & CARDIOVASCULAR SYSTEMS 32/124, Q2, IF 4.021, No. of Citations 0)***

**B.1. Articles Published**

20. Landes U, Bental T, **Orvin K**, Vaknin-Assa H, Rechavia E, Iakobishvili Z, Lev E, Assali A, Kornowski R.  
Type 2 myocardial infarction: A descriptive analysis and comparison with type 1 myocardial infarction.  
J Cardiol. 2016 Jan;67(1):51-6  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 57/124, Q2, IF 2.405, No. of Citations 0)**
21. **Orvin K**, Carrie D, Richardt G, Desmet W, Assali A, Werner G, Ikari Y, Fujii K, Goicolea J, Dangoisse V, Manari A, Saito S, Wijns W, Kornowski R.  
Comparison of sirolimus eluting stent with bioresorbable polymer to everolimus eluting stent with permanent polymer in bifurcation lesions: Results from CENTURY II trial.  
Catheter Cardiovasc Interv2016;87(6):1092-100.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 63/124, Q3, IF 2.181, No. of Citations 1)**
22. Landes U, **Orvin K**, Codner P, Assali A, Vaknin-Assa H, Schwartzberg S, Levi A, Shapira Y, Sagie A, Kornowski R.  
Urgent Transcatheter Aortic Valve Implantation in Patients With Severe Aortic Stenosis and Acute Heart Failure: Procedural and 30-Day Outcomes.  
Can J Cardiol. 2016;32(6):726-31.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 44/124, Q2, IF 3.112, No of Citations 1)**
23. **Orvin K**, Bental T, Assali A, Lev EI, Vaknin-Assa H, Kornowski R.  
Usefulness of the CHA2DS2-VASC Score to Predict Adverse Outcomes in Patients Having Percutaneous Coronary Intervention.  
Am J Cardiol. 2016;117(9):1433-8.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 43/124, Q2, IF 3.154, No of Citations 0)**
24. Witberg G, Barsheshet A, Assali A, Vaknin-Assa H, Shaul AA, **Orvin K**, Vaturi M, Schwartzberg S, Shapira Y, Sagie A, Kornowski R.  
Aortic Valve Gradient and Clinical Outcome in Patients Undergoing Transcatheter Aortic Valve Implantation for Severe Aortic Stenosis.  
Cardiology. 2016;134(2):128-35.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 70/124, Q3, IF 1.994, No. of Citations 0)**

**B.1. Articles Published**

25. Shaul AA, Kornowski R, Bental T, Vaknin-Assa H, Assali A, Golovchiner G, Kadmon E, Codner P, **Orvin K**, Strasberg B, Barsheshet A.  
Type of Atrial Fibrillation and Clinical Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement.  
Ann Noninvasive Electrocardiol. 2016;21(5):519-25.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 82/124, Q3, IF 1.569, No of Citations 0)**
26. Musallam A\*, **Orvin K**\*, Perl L, Mosseri M, Arbel Y, Roguin A, Lev EI.  
[Equal Contribution].  
Effect of Modifying Anti-platelet Treatment to Ticagrelor in High-Risk Coronary Patients with Low Response to Clopidogrel (MATTIS).  
Can J Cardiol. 2016;32(10):1246.e13-1246.e19.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 44/124, Q2, IF 3.112, No of Citations 0)**
27. Witberg G, Lavi I, Vaknin-Assa H, **Orvin K**, Assali A, Kornowski R.  
Insights from 2D and 3D quantitative angiographic assessment of bioresorbable everolimus-eluting vascular scaffolds.  
IMAJ. 2016;18(7):381-385.  
**(MEDICAL, GENERAL & INTERNAL 99/155, Q3, 0.879, No of Citations 1)**
28. Landes U, Bental T, Barsheshet A, Assali A, Vaknin Assa H, Levi A, **Orvin K**, Kornowski R.  
Comparative Matched Outcome of Evolut-R vs CoreValve Transcatheter Aortic Valve Implantation.  
J Invasive Cardiol. 2017;29(2):69-74.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 102/124, Q4, IF 1.112)**
29. Fink N, Segev A, Kornowski R, Finkelstein A, Assali A, Rozenbaum Z, Vaknin-Assa H, Halkin A, Fefer P, Ben-Shoshan J, Regev E, Konigstein M, **Orvin K**, Guetta V, Barbash IM.  
Balloon dilatation and outcome among patients undergoing trans-femoral aortic valve replacement.  
Int J Cardiol. 2017 Mar 1;230:537-541.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 20/124, Q1, IF 4.638)**
30. Vaknin-Assa H, Assali A, Lev EI, Greenberg G, **Orvin K**, Valzer O, Paul G, Levi A, Kornowski R.  
Long Term Outcomes of MGuard Stent Deployment in saphenous vein grafts and native coronary arteries: a single center experience.  
IMAJ. 2017;19:March:172-176  
**(MEDICAL, GENERAL & INTERNAL 99/155, Q3, 0.879)**

**B.1. Articles Published**

31. **Orvin K**, Barac DY, Kornowski R, Perl L, Wasserstrum Y, Victor Rubchevsky V, Sharony R, Snir E, Aravot D, and Lev EI.  
Monitoring platelet reactivity during prasugrel or ticagrelor washout before urgent coronary artery bypass grafting.  
Coron Artery Dis. 2017 Ahead of print.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 83/124, Q3, IF 1.553, No of Citations 0)**
32. **Orvin K**, Levi A, Landes U, Bental T, Sagie A, Shapira Y, Vaknin-Assa H, Assali A, Kornowski R.  
Usefulness of the CHA2DS2-VASc Score to Predict Outcome in Patients Who Underwent Transcatheter Aortic Valve Implantation.  
Am J Cardiol. 2018;121(2):241-248.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 43/124, Q2, IF 3.154, No of Citations 0)**
33. Zusman O, Kornowski R, Witberg G, Lador A, **Orvin K**, Levi A, Assali A, Vaknin-Assa H, Sharony R, Shapira Y, Sagie A, Landes U.  
Transcatheter Aortic Valve Implantation Futility Risk Model Development and Validation Among Treated Patients With Aortic Stenosis.  
Am J Cardiol. 2017;120(12):2241-2246.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 43/124, Q2, IF 3.154, No of Citations 0)**
34. Regev E, Finkelstein A, Assali A, Barbash I, Fefer P, Ben-Shoshan J, Orvin K, Konigstein M, Guetta V, Kornowski R, Segev A.  
Comparison of Outcome of Transcatheter Aortic Valve Implantation for Severe Aortic Stenosis in 3 Age Groups ( $\leq 70$ ; 71 to 80, and  $\geq 81$  Years).  
Am J Cardiol. 2017;120(9):1607-1611.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 43/124, Q2, IF 3.154, No of Citations 0)**
35. Witberg G, Regev E, Chen S, Assali A, Barbash IM, Planer D, Vaknin-Assa H, Guetta V, Vukasinovic V, **Orvin K**, Danenberg HD, Segev A, Kornowski R.  
The Prognostic Effects of Coronary Disease Severity and Completeness of Revascularization on Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement.  
JACC Cardiovasc Interv. 2017;10(14):1428-1435.  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 43/124, Q1, IF 9.811, No of Citations 7)**

**Updated August 2018**

36. Landes U, Bental T, Levi A, Assali A, Vaknin-Assa H, Lev EI, Rechavia E, Greenberg G, **Orvin K**, Kornowski R.  
Temporal trends in percutaneous coronary interventions thru the drug eluting stent era: Insights from 18,641 procedures performed over 12-year period. Catheter Cardiovasc Interv. 2017 Oct 13. doi: 10.1002/ccd.27375. [Epub ahead of print]  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 60/128, Q2, IF 2.602)**

***B.1. Articles Accepted***

37. **Orvin K**, Herzberg H, Golovchiner G, Kadmon E, Omelchenko A, Assali A, Vaknin-Assa H, Sagie A, Shapira Y, Vaturi M, Kornowski R, Barsheshet A. Relation of Left Ventricular Fractional Shortening to Need for Permanent Pacemaker After Transcatheter Aortic Valve Implantation. Am J Cardiol. 2018 Jun 2. pii: S0002-9149(18)31201-3. doi: 10.1016/j.amjcard.2018.05.029. [Epub ahead of print]  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 49/128, Q2, IF 3.171)**
38. Itzhaki Ben Zadok O, Kornowski R, Finkelstein A, Barbash I, Danenberg H, Amit Segev A, Guetta V, Halkin A, Planer D, Assali A, Barsheshet A, **Orvin K**. Temporal-Trends in Sex-Related Differences and Outcomes of Patients Undergoing Transcatheter Aortic Valve Implantation- data from the Israeli TAVI Multicenter Registry. Am J Cardiol. 2018  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 49/128, Q2, IF 3.171)**
39. Hammer Y, Landes U, Zusman O, Kornowski R, Witberg G, **Orvin K**, Levi A, Codner P, Vaknin-Assa H, Nassar M, Shafir G, Assali A, Hamdan A. Iliofemoral artery lumen volume assessment with three dimensional multi-detector computed tomography and vascular complication risk in transfemoral transcatheter aortic valve replacement. J Cardiovasc Comput Tomogr. 2018 Oct 13. pii: S1934-5925(18)30270-3. doi: 10.1016/j.jcct.2018.10.009. [Epub ahead of print]
40. Efficacy and safety of new-generation transcatheter aortic valves: insights from the Israeli transcatheter aortic valve replacement registry. Finkelstein A, Steinvil A, Rozenbaum Z, Halkin A, Banai S, Barbash I, Guetta V, Segev A, Danenberg H, **Orvin K**, Assa HV, Assali A, Kornowski R. Clin Res Cardiol. 2018 Sep 20. doi: 10.1007/s00392-018-1372-6. [Epub ahead of print]

***B.1. Articles Submitted***

1. Younis A, **Orvin K**, Nof E, Barabash I, Guetta V, Segev A, Fefer P, Berkovitch A, Kornowski R, Beinart R.  
Effects and safety of beta-blocker withdrawal among patients undergoing transcatheter aortic valve Replacement.  
Am J Cardiol. 2018  
**(CARDIAC & CARDIOVASCULAR SYSTEMS 49/128, Q2, IF 3.171)**
2. Vlastra W, Jimenez-Quevedo P, Tchétché D, Chandrasekhar J, Fabio de Brito Jr, Barbanti M, Kornowski R, Latib A, D'Onofrio A, Ribichini F, Baan J, Tijssen J, Jose de la Torre Hernández, Dumonteil N, Sarmiento-Leite R, Sartori S, Rosato S, Tarantini G, Lunardi M, **Orvin K**, Pagnesi M, Hernández-Antolin R, Modine T, Dangas G, Mehran R, Piek J, Delewi R.  
Predictors, incidence and outcomes of patients undergoing transcatheter aortic valve implantation complicated by stroke - From the CENTER-Collaboration. CIRCCVINT/2018/007546-T1

**B.2. CASE REPORTS**

***B.2. Case Reports Published***

1. **Orvin K**, Bilavsky E, Weiner E, Shouval DS, Amir J.  
Successful antibiotic eradication of Streptococcus pneumoniae infection of a ventriculoatrial shunt.  
Int J Infect Dis. 2009;13:e101-103.
2. Eisen A, Iakobishvili Z, **Orvin K**, Hasdai D.  
Large Pericardial Cyst in a Young Woman Presenting with Fever, Abdominal Pain and Diarrhea.  
Harefuah. 2013; 152: 518-519.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS  
PUBLISHED AS PROCEEDINGS and D.3. ABSTRACTS**

1. **Orvin K**, Goldberg E, Bernstine H, Groshar D, Sagie A, Kornowski R, Bishara J.  
The role of FDG-PET/CT Imaging in Early Detection of Extra-cardiac Complications of Infective Endocarditis.  
The 59<sup>th</sup> Annual Congress of the ISH in association with the ISCS, Tel Aviv, Israel, 2012
2. **Orvin K**, Eisen A, Goldenberg I, Gottlieb S, Kornowski R, Matetzky S, Golovchiner G, Kuznietz J, Gavriellov-Yusim N, Segev A, Strasberg B, Haim M.  
Outcome of contemporary acute coronary syndrome complicated by ventricular tachyarrhythmias.  
Oral presentation- The 59<sup>th</sup> Annual Congress of the ISH in association with the ISCS, Tel Aviv, Israel, 2012.  
Poster-ESC congress 2012, Germany, Munich
3. **Orvin K**, Kornowski R, Bishara J, Bental T, Levi A, Noam N, Iakobishvili Z, Porter A, Sagie A, Goldberg E.  
The frequency and prognostic impact of Fever following transcatheter aortic valve implantation.  
Oral presentation-The 60<sup>th</sup> Annual Congress of the IHS in association with the ISCS, Jerusalem, Israel, April 2013.
4. **Orvin K**, Dvir D, Weiss A, Assali A, Vaknin-Assa H, Shapira Y, Gazit O, Sagie A, Kornowski R.  
Comprehensive prospective cognitive and physical function assessment in elderly patients undergoing transcatheter aortic valve implantation.  
Oral presentation-The 60<sup>th</sup> Annual Congress of the IHS in association with the ISCS, Jerusalem, Israel, April 2013.  
Poster- TCT congress, USA, San Francisco, 2013.
5. **Orvin K**, Bental T, Eisen A, Vaknin-Assa H, Assali A, Lev EI, Brosh D, Kornowski R.  
Fractional flow reserve application in everyday practice: adherence to clinical recommendations  
Oral presentation-The 60<sup>th</sup> Annual Congress of the IHS in association with the ISCS, Jerusalem, Israel, April 2013.
6. **Orvin K\***, Eisen A\*, Goldenberg I, Farkash A, Gevriellov-Yusim N, Iakobishvili Z, Hasdai D. [Equal Contribution]  
The proxy of renal function that most accurately predicts short- and long-term outcome after acute coronary syndrome.  
Poster- ESC congress 2013, Netherlands, Amsterdam.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS  
PUBLISHED AS PROCEEDINGS and D.3. ABSTRACTS**

7. **Orvin K**, Eisen A, Perl L, Zemer-Wassercug N, Codner P, Assali A, Vaknin-Assa H, Lev EI, Kornowski R.  
Platelet reactivity in patients undergoing transcatheter aortic valve implantation  
Oral presentation- The 61<sup>th</sup> Annual Congress of the Israel Heart Society in association with ISCS, Tel Aviv, Israel, 2014  
Oral presentation- EuroPCR, France, Paris, 2014
8. **Orvin K**, Assali A, Vaknin-Assa H, Levi A, Greenberg G, Codner P, Shapira Y, Sagie A, Kornowski R.  
Efficacy and Safety of Transcatheter Aortic Valve Implantation in Aortic Stenosis Patients With Extreme Age.  
Oral presentation- The 61<sup>th</sup> Annual Congress of the Israel Heart Society in association with ISCS, Tel Aviv, Israel, 2014
9. **Orvin K**, Musallam A, Perl L, Mosseri M, Arbel Y, Roguin A, Lev EI.  
Effect of Modifying Anti-platelet Treatment to Ticagrelor in High-Risk Coronary Patients with Low Response to Clopidogrel (MATTIS).  
Oral presentation- The 61<sup>th</sup> Annual Congress of the Israel Heart Society in association with ISCS, Tel Aviv, Israel, 2014.
10. **Orvin K**, Barac DY, Kornowski R, Perl L, Wasserstrum Y, Victor Rubchevsky V, Sharony R, Snir E, Aravot D, and Lev EI.  
Monitoring platelet reactivity during prasugrel or ticagrelor washout before urgent coronary artery bypass grafting.  
Oral presentation- The 63<sup>rd</sup> Annual Congress of the Israel Heart Society in association with ISCS, Tel Aviv, Israel, 2016.

## **G. OTHER PUBLICATIONS**

1. **Orvin K**, Bental T, Eisen A, Vaknin-Assa H, Assali A, Lev EI, Brosh D, Kornowski R.  
Fractional flow reserve application in everyday practice: adherence to clinical recommendations.  
Cardiovasc Diagn Ther. 2013;3(3):137-45 – No Impact Factor
2. **Orvin K**, Ran Kornowski. The problem of delirium following transcatheter aortic valve replacement- Editorial comment.  
Catheter Cardiovasc Interv. 2017;89(7):1292-1293.
3. Itzhaki Ben Zadok O, **Orvin K**, Kornowski R.  
Transcatheter Aortic Valve Replacement in Female Patients—Present Scenario.  
Indian J Cardiovasc Dis Women-WINCARS. 2017;2:7–13.

## **H. Member of Editorial Board/Reviewer (International Journals)**

### **Ad Hoc Reviewer**

2015-2018	Circulation	Cardiovascular Interventions
2015-2018	JACC	
2016-2018	Catheter Cardiovasc Interv	