

Loay Salman, MD MBA
Chief, Division of Nephrology and Hypertension
Albany Medical College, Albany, New York

1. **Date:** 9/20/2017

I. PERSONAL

2. **Name:** Loay Salman
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6. **Office Address:** South Clinical Campus, MC-69, 25 Hackett Blvd, First floor, Albany, NY 12208
7. **Current Academic Rank:** Professor of Medicine, (tenure track, non-tenured)
8. **Primary Department:** Medicine / Nephrology
9. **Secondary or Joint Appointments:** None
10. **Citizenship:** U.S.A.
11. **Visa Type:** US Citizen

II. HIGHER EDUCATION

11. **Institutional:**

- Tishreen University, Lattakia, Syria 9/1/1987- 9/1/1993. **Degree: MD**
I was awarded with Dean's list throughout medical school years.
- Executive MBA, Health Sector Management and Policy 01/01/2013 - 12/31/2014
School of Business Administration, University of Miami. **Degree: MBA**

12. **Non-Institutional:**

- Fellow: Division of Nephrology and Hypertension, 7/1/2006 - 6/30/2008
University of Miami Miller School of Medicine, Miami, FL.
- Fellow: Interventional Nephrology, 7/1/2007 - 12/31/2007
University of Miami Miller School of Medicine, Miami, FL.
- Chief Resident: Department of Internal Medicine, 7/1/1999 - 6/30/2000
New York University, New York, NY.

- Resident: Department of Internal Medicine, 7/1/1997 - 6/30/1999
New York University, New York, NY.
- Intern: Department of Internal Medicine, 7/1/1996 - 6/30/1997
New York University, New York, NY.
- Resident: Department of Medical Laboratory 7/1/1995 - 6/30/1996
American University of Beirut, Beirut, Lebanon.
- Intern: Department of Internal Medicine 7/1/1994 - 6/30/1995
American University of Beirut, Beirut, Lebanon.
- Extern: Department of Radiology, 9/2/1993 - 6/30/1994
American University of Beirut, Beirut, Lebanon.

13. Certification:

- American Board of Internal Medicine 11/1999 and recertified 05/2010
- ASDIN Certification in Hemodialysis Vascular Access Procedures 2009
- ASDIN Certification in Peritoneal Dialysis Catheter Procedures 2009
- Specialist in Clinical Hypertension 08/01/2009
- American Board of Nephrology 2008
- ECFMG Certification 1996

Licensure:

- New York Board of Medicine state License – Active
- Florida Board of Medicine state License – Active
- Georgia Board of Medicine state License – Active
- North Carolina Board of Medicine state License – Active

III. EXPERIENCE**14. Academic:**

- The Thomas Ordway Distinguished Professor of Medicine, (Tenure track, non-tenured) 09/01/2016 - Present
Division of Nephrology, Hypertension and Interventional Nephrology,
Albany Medical College, Albany, New York.
- Professor of Clinical Medicine, 06/01/2015 - 08/31/2016
Division of Nephrology, Hypertension and Interventional Nephrology,

University of Miami Miller School of Medicine, Miami, Florida.

- Associate Professor of Clinical Medicine, 06/01/2012 – 05/31/2015
Division of Nephrology, Hypertension and Interventional Nephrology,
University of Miami Miller School of Medicine, Miami, Florida.
- Assistant Professor of Clinical Medicine, 07/01/2008 - 05/31/2012
Division of Nephrology, Hypertension and Interventional Nephrology
University of Miami Miller School of Medicine, Miami, Florida.

15. Hospital Appointments

- Albany Medical Center, Albany, New York, 09/01/2016 - Present
- Jackson Memorial Hospital, Miami, Florida 07/2008 - 08/31/2016
- University of Miami Hospital and Clinics, Miami, Florida 07/2008 - 08/31/2016
- University of Miami Hospital, Miami, Florida 07/2008 - 08/31/2016
- Department of Veteran Affairs Hospital, Miami, Florida. 07/2008 – 08/31/2016

16. Non-Academic:

- Tutorial instructor, MD-PHD Program, 7/1/1999 - 6/30/2000
Department of Medicine, New York University, New York, NY
- Attending physician & director of EMS, 7/1/2000 - 6/30/2006
Crisp Regional hospital, Cordele, Georgia.

IV. PUBLICATIONS

17. Books and monographs published:

- 1) **Loay Salman**, Arif Asif, and Michael Allon
Book Chapter: Venous Catheter Infections and Other Complications
Book: Handbook of Dialysis (ISBN13: 978-1451144291 - ISBN10: 1451144296)
Publisher: LWW; Fifth edition (November 14, 2014)
- 2) Alexander S. Yevzlin, Anil k. Agarwal, **Loay Salman**, and Arif Asif
Book Chapter: Arteriovenous Vascular Access Monitoring and complications
Book: Handbook of Dialysis (ISBN13: 978-1451144291 - ISBN10: 1451144296)
Publisher: LWW; Fifth edition (November 14, 2014)
- 3) Yevzlin A, Asif A, and **Salman L**, editors: Clinician guide to Interventional
Nephrology, Springer Science. (ISBN-13: 978-1461488026 ISBN-
10: 1461488028) Publisher: Springer; 2014 edition.

- 4) **Salman L**, Approach to abnormal surveillance measurement: Clinician guide to Interventional Nephrology, Yevzlin A, Asif A, and Salman L Ed. Springer Science. (ISBN-13: 978-1461488026 ISBN-10: 1461488028)
Publisher: Springer; 2014 edition (December 30, 2013). 163-168, 2014.
- 5) **Salman L**, the role of physical examination of HD access for the general nephrologist: Vascular Access for the General Nephrologist (ISBN13: 978-1622573097 - ISBN10: 1622573099), M Chan, A Yevzlin and A Asif ed., Nova Science Publisher Inc., 107-114, 2013
- 6) **Salman L**, Asif A, Vascular mapping: Interventional Nephrology 13 edition (ISBN13: 978-0071769327 - ISBN10: 0071769323), A Asif, A Agarwal, A Yevzlin, S Wu and G Beathard ed., McGraw-Hill Publishing Company, 95-100, 2012
- 7) Asif A, **Salman L**, Beathard G, Cardiac Rhythm Devices in renal patients: Interventional Nephrology 13 edition (ISBN13: 978-0071769327 - ISBN10: 0071769323), A Asif, A Agarwal, A Yevzlin, S Wu and G Beathard ed., McGraw-Hill Publishing Company, 369-378, 2012
- 8) **Salman L**, Asif A, Complications of Peritoneal Dialysis Catheter Procedures: Interventional Nephrology 13 edition (ISBN13: 978-0071769327 - ISBN10: 0071769323), A Asif, A Agarwal, A Yevzlin, S Wu and G Beathard ed., McGraw-Hill Publishing Company, 547-552, 2012
- 9) **Salman L**, Steal: Incidence and epidemiology: TOTAL ENDOVASCULAR SERIES - Dialysis Access - Contemporary Management (ISBN: 9781935395423), Alan B. Lumsden and Mark G Davies ed., Cardiotext Publishing, 2013
- 10) **Salman L**, Asif A, Introduction: ASDIN Core Curriculum for Peritoneal Dialysis Catheter Procedures: American Society of Diagnostic and Interventional Nephrology (ISBN: 1452893233 - ISBN-13: 9781452893235), ASDIN, 1-2, 2010
- 11) **Salman L**, Asif A, Peritoneal Dialysis Removal and Complications of Peritoneal Dialysis Catheters: ASDIN Core Curriculum for Peritoneal Dialysis Catheter Procedures: American Society of Diagnostic and Interventional Nephrology (ISBN: 1452893233 - ISBN-13: 9781452893235), ASDIN, 83-92, 2010
- 12) Rahman M, **Salman L**, Asif A, Interventional Nephrologists and Hemodialysis Access Procedures: Dialysis: History, Development and Promise (ISBN13: 978-9814289757 - ISBN10: 9814289752), A Asif, A Agarwal, A Yevzlin, S Wu and G Beathard ed., World Scientific Publishing Co. Pte. Ltd., 193-202, 2012

18. Juried or refereed journal articles:

- 1) Gandhi BV, Patel TB, Costanzo EJ, Masud A, Mehandru S, **Salman L.**
Management of hypertension in patients during percutaneous dialysis access interventions.
J Vasc Access. 2017 Jul 27:0. doi: 10.5301/jva.5000779.
PMID: 28777407
- 2) Singh V, Qaisar H, Masud A, Mehandru S, Sadiang-Abay E, Costanzo EJ, **Salman L.**
Ischemic monomelic neuropathy: a long-term follow-up of two cases.
J Vasc Access. 2017 Jun 20:0. doi: 10.5301/jva.5000743.
PMID: 28665460
- 3) Vachharajani TJ, **Salman L**, Costanzo EJ, Mehandru SK, Patel M, Calderon DM, Mathew RO, Sidhu MS, Asif A.
Subcutaneous defibrillators for dialysis patients.
Hemodial Int. 2017 Jun 23. doi: 10.1111/hdi.12577
- 4) Duque JC, Martinez L, Tabbara M, Dvorquez D, Mehandru SK, Asif A, Vazquez-Padron RI, **Salman LH.**
Arteriovenous fistula maturation in patients with permanent access created prior to or after hemodialysis initiation.
J Vasc Access. 2017 May 15;18(3):185-191. doi: 10.5301/jva.5000662. Epub 2017 Feb 15.
- 5) Duque JC, Tabbara M, Martinez L, Cardona J, Vazquez-Padron RI, **Salman LH.**
Dialysis Arteriovenous Fistula Failure and Angioplasty: Intimal Hyperplasia and Other Causes of Access Failure. Am J Kidney Dis. 2017 Jan;69(1):147-151.
PMID: 28084215
- 6) Duque JC, Martinez L, Tabbara M, Dvorquez D, Mehandru SK, Asif A, Vazquez-Padron RI, **Salman LH.**
Arteriovenous fistula maturation in patients with permanent access created prior to or after hemodialysis initiation. J Vasc Access. 2017 Feb 15:0. PMID: 28218361
- 7) Martinez L, Duque JC, Escobar LA, Tabbara M, Vazquez-Padron RI, **Salman LH.** Distinct impact of three different statins on arteriovenous fistula outcomes: A retrospective analysis. J Vasc Access. 2016 Oct 15:0. PMID: 27768209
- 8) Laurito T, Sueiras V, Fernandez N, Escobar LA, Martinez L, Andreopoulos F, **Salman LH**, Vazquez-Padron RI, Ziebarth NM.

Assessment of micro-mechanical variations in experimental arteriovenous fistulae using atomic force microscopy.
J Vasc Access. 2016 Mar 26:0.

9) Tabbara M, Duque JC, Martinez L, Escobar LA, Wu W, Pan Y, Fernandez N, Velazquez OC, Jaimes EA, **Salman LH**, Vazquez-Padron RI.
Pre-existing and Postoperative Intimal Hyperplasia and Arteriovenous Fistula Outcomes.
Am J Kidney Dis. 2016 Mar 22.

10) Briones PL, Merrill D, **Salman L**.
Medication Adherence in Patients on Chronic Hemodialysis: Practical Applications in Clinical Practice.
Nephrol Nurs J. 2015 Nov-Dec;42(6):585-8

11) El Kassem M, Alghamdi I, Vazquez-Padron RI, Asif A, Lenz O, Sanjar T, Fayad F, **Salman L**.
The Role of Endovascular Stents in Dialysis Access Maintenance.
Adv Chronic Kidney Dis. 2015 Nov;22(6):453-8.

12) Duque JC, Martinez L, Mesa A, Wei Y, Tabbara M, **Salman LH**, Vazquez-Padron RI.
CD4₊ lymphocytes improve venous blood flow in experimental arteriovenous fistulae. Surgery. 2015 May 18. PMID: 25999254

13) Dhamija RK, Tan H, Philbin E, Mathew RO, Sidhu MS, Wang J, Saour B, Haqqie SS, Beathard G, Yevzlin AS, **Salman L**, Boden WE, Siskin G, Asif A.
Subcutaneous Implantable Cardioverter Defibrillator for Dialysis Patients: A Strategy to Reduce Central Vein Stenoses and Infections.
Am J Kidney Dis. 2015 Apr 22.

14) Muchayi T, **Salman L**, Tamariz LJ, Asif A, Rizvi A, Lenz O, Vazquez-Padron RI, Tabbara M, Contreras G.
A Meta-analysis of Randomized Clinical Trials Assessing Hemodialysis Access Thrombosis Based on Access Flow Monitoring: Where Do We Stand?
Semin Dial. 2015 Jan 28.

15) Duque JC, Gomez C, Tabbara M, Alfonso CE, Li X, Vazquez-Padron RI, Asif A, Lenz O, Briones PL, **Salman LH**.
The Impact of Arteriovenous Fistulae on the Myocardium: The Impact of Creation and Ligation in the Transplant Era.
Semin Dial. 2014 Sep 30.

16) **Salman LH**.

How is Arteriovenous Fistula Longevity Best Prolonged?: The Role of Surveillance.
Semin Dial. 2015 Jan;28(1):33-4.

- 17) Skartsis N, Martinez L, Duque JC, Tabbara M, Velazquez OC, Asif A, Andreopoulos F, **Salman LH**, Vazquez-Padron RI.
c-Kit signaling determines neointimal hyperplasia in arteriovenous fistulae.
Am J Physiol Renal Physiol. 2014 Nov 1;307(9):F1095-104.
- 18) **Salman L**, Vazquez-Padron RI, Castro H, Monrroy M, Abdelwahed Y, Rizvi A, Merrill D, Asif A.
Measurement of Vessel Diameter During Angioplasty: Are We Accurately Performing This Task?
Semin Dial. 2013 Nov 22.
- 19) **Salman L**, Castro H, Vazquez-Padron RI, Monrroy M, Abdelwahed Y, Rizvi A, Duque J, Akmal MU, Merrill D, Nayer A, Asif A.
Balloon Cinch Deformity during Angioplasty Procedures: An Indications for Impeding Rupture.
Semin Dial. 2014 Mar;27(2):E21-3.
- 20) Haqqie SS, Nappi A, Siskin G, Syed NA, Ghate K, Mathew RO, Wang J, Sidhu MS, Kumar V, **Salman L**, Merrill D, Akmal MU, Nayer A, Asif A.
Renal Artery Stenosis: To Intervene, or Not to Intervene, "That is the Question".
Semin Dial. 2014 Jan-Feb;27(1):E4-7.
- 21) **Salman L**, Beathard G.
Interventional nephrology: physical examination as a tool for surveillance for the hemodialysis arteriovenous access.
Clin J Am Soc Nephrol. 2013 Jul;8(7):1220-7.
- 22) Asif A, Castro H, Waheed AA, Kumar V, Haqqie SS, Siskin G, Mathew RO, Mason D, Vachharajani T, Nayer A, Merrill D, Akmal MU, **Salman L**.
Blood Pressure Recordings During Hemodialysis Access Interventions: Implications for Acute Management.
Semin Dial. 2013 Jul-Aug;26(4):E30-2.
- 23) Asif A, Siskin G, Kumar V, Haqqie SS, Mathew RO, Wang S, Nayer A, Merrill D and **Salman L**.
Radial Artery Harvest: A Potential Cause of Arteriovenous Access-Associated Hand Ischemia.
Semin Dial. 2013, May-Jun;26(3):E17-9.

24) Saad TF, Hentschel DM, Koplan B, Wasse H, Asif A, Patel DV, **Salman L**, Carrillo R and Hoggard J, Cardiovascular Implantable Electronic Device Leads in CKD and ESRD Patients: Review and Recommendations for Practice. ASDIN Clinical Practice Committee Workgroup. *Semin Dial.* 2013, Jan-Feb; 26(1):114-23.

25) Asif A, Carrillo R, Garisto JD, Monrroy M, Khan RA, Castro H, Merrill D, Ali AS, Pai AB, Waldman J and **Salman L**. Prevalence of Chronic Kidney Disease in Patients Undergoing Cardiac Rhythm Device Removal. *Semin Dial.* 2013, Jan-Feb; 26(1):111-3.

26) **Salman L** and Asif A, To the Editor-Jailing of cardiac leads with endovascular stents in hemodialysis patients. *Heart Rhythm.* 2012, Jun;9(6):e16.

27) Asif A, **Salman L**, Lopera G, Haqqie SS and Carrillo R. Transvenous Cardiac Implantable Electronic Devices and Hemodialysis Catheters: Recommendations to Curtail a Potentially Lethal Combination. *Semin Dial.* 2012, Sep-Oct;25(5):582-6.

28) Manning E, Skartsis N, Orta AM, Velazquez OC, Liu ZJ, Asif A, **Salman LH**, Vazquez-Padron RI. A New Aorto-Caval Fistula Model to Study the Development of Neointimal Hyperplasia. *J Vasc Res.* 2012, Jan 13;49(2):123-131.

29) **Salman L** and Asif A. Renal failure and cardiac rhythm device infection. *J Cardiovasc Electrophysiol.* 2012, Feb; 23(2):E92.

30) Vachharajani TJ, Moossavi S, **Salman L**, Wu S, Dwyer AC, Ross J, Dukkipati R, Maya ID, Yevzlin AS, Agarwal A, Abreo KD, Work J and Asif A. Dialysis vascular access management by interventional nephrology programs at University Medical Centers in the United States. *Semin Dial.* 2011, Sep-Oct; 24(5):564-9.

31) Kian K, Shapiro JA, **Salman L**, Khan RA, Merrill D, Garcia L, Eid N, Asif A, Aldahan A and Beathard G. High Brachial Artery Bifurcation: Clinical Considerations and Practical Implications for an Arteriovenous Access. *Semin Dial.* 2012, Mar-Apr; 25(2):244-7.

32) Asif A, **Salman LH**, Lopera GG and Carrillo RG.
The dilemma of transvenous cardiac rhythm devices in hemodialysis patients: time to consider the epicardial approach?
Kidney Int. 2011, Jun;79(12):1267-9.

33) Skartsis N, Manning E, Wei Y, Velazquez O.C., Liu ZJ, Goldschmidt-Clermont P.J., **Salman L.H.**, Asif A and Vazquez-Padron R.I.
Origin of Neointimal Cells in Arteriovenous Fistulae: Bone marrow, artery or the vein itself?
Semin Dial. 2011, Mar-Apr;24(2):242-8.

34) Micah Chan, **Loay Salman** and Alexander S. Yevzlin.
Tunneled HD catheters: What do Nephrologists need to know?"
Dialysis & Transplantation. 2011, 40 (5), 196–199.

35) Roger G. Carrillo, Juan D. Garisto, **Loay Salman** and Arif Asif. Arteriovenous Dialysis Access-Associated Transvenous Pacemaker Infection. Clin Nephrol. 2011, Feb;75(2):174-8.

36) Vachharajani TJ, Moossavi S, **Salman L**, Wu S, Maya ID, Yevzlin AS, Agarwal A, Abreo KD, Work J and Asif A.
Successful models of interventional nephrology at academic medical centers, Clin J Am Soc Nephrol. 2010, Nov;5(11):2130-6.

37) Arif Asif, Roger Carrillo, Juan-Domingo Garisto, Gustavo Lopera, Marco Ladino, Urwa Barakat, Nadia Eid and **Loay Salman**.
Epicardial Cardiac Rhythm Devices for Dialysis Patients: Minimizing the risk of infection and preserving central veins.
Seminars in Dialysis. 2012, Jan-Feb;25(1):88-94.

38) **Loay Salman** and Arif Asif.
Dialysis: the stent graft for stenosis: let's appraise before we praise.
Nat Rev Nephrol. 2010, Sep;6(9):503-4.

39) Arif Asif, Florin Gadalean, Nadia Eid, Donna Merrill and **Loay Salman**. Stent-Graft Infection and Protrusion through the Skin: Clinical considerations and potential medico-legal ramifications.
Seminars in Dialysis. 2010 Sep-Oct; 23(5):540-2.

40) **Loay Salman** and Arif Asif.
Stent-Graft for Nephrologists: Concerns and Consensus.
Clin J Am Soc Nephrol, 2010, Jul;5(7):1347-52.

41) Roger G. Carrillo, Juan D. Garisto, **Loay Salman**, Donna Merrill and Arif Asif.

Contamination of Transvenous Pacemaker Leads Due to Tunneled Hemodialysis Catheter Infection: A Report of 2 Cases.
Am J Kidney Dis 2010, 55:1097-1101.

42) **Salman L**, Ladino M, Alex M, Dhamija R, Merrill D, Lenz O, Contreras G, Asif A. Accuracy of ultrasound in the detection of inflow stenosis of arteriovenous fistulae: results of a prospective study. Semin Dial. 2010, Jan-Feb;23(1):117-21.

43) **Salman L**, Asif A and Beathard GA. Retrograde Angiography and the Risk of Arteriovenous Fistulae Perforation, Seminars in Dialysis, 2009, Nov-Dec; 22(6):698-701.

44) Carrillo RG, Garisto JD, **Salman L**, Merrill D and Asif A. A Novel Technique for Tethered Dialysis Catheter Removal Using the Laser Sheath. Seminars in Dialysis, 2009, Nov-Dec; 22(6):688-91.

45) Arif Asif, **Loay Salman**, Roger G. Carillo, Gustavo Lopera, Urwa Barakat, Oliver Lenz, Alexander Yevzlin, Anil Agarawal, Florin Gadalean, Bharat Sachdeva, Tushar J. Vachharajani, Steven Wu, Ivan D. Maya and Ken Abreo. Patency Rates for Angioplasty in the Treatment of Pacemaker-Induced Central Venous Stenosis in Hemodialysis Patients: Result of a Multi-Center Study. Seminars in Dialysis, 2010, Jan; 23(1):117-21.

46) Antoine Samaha, **Loay Salman** and Arif Asif. Arterial Angioplasty to Treat Hand Ischemia in a Radial-Cephalic Fistula. Seminars in Dialysis, 2009, Sep-Oct; 22(5):561-3.

47) Alvarez AC, **Salman L**. Peritoneal dialysis access placement and management by nephrologists. Review article. Advances in Chronic Kidney Diseases journal, Sep; 2009, 16(5):378-85.

48) **Loay Salman**, Ivan D. Maya and Arif Asif. Current Concepts in the Pathophysiology and Management of Arteriovenous Access-Induced Hand Ischemia. Advances in Chronic Kidney Diseases journal, 2009, Sep; 16(5):371-7.

49) **Loay Salman**, Manju Alex, StephenW Unger, Gabriel Contreras,Oliver Lenz and Arif Asif. Secondary Autogenous Arteriovenous Fistulas in the “Fistula First” Era: Results of a Longterm Prospective Study. J Am Coll Surg. 2009, Jul;209(1):100-5.

50) **Loay Salman** and Arif Asif.
Antibiotic Prophylaxis: Is it needed for Dialysis Access Procedures?
Dial. 2009, May-Jun; 22(3):297-9.

51) Arif Asif, **Loay Salman**, Kenneth L. Choi, Carlos A. Mercado, Gururaj Krishnamurthy, Donna Merrill, Beatrice Francois and Gabriel Contreras, Impact of Surgeon Selection on the Prevalence of Arteriovenous Fistulas After Upper Extremity Angiographic Vein Mapping.
Semin Dial. 2008, Jul-Aug;21(4):341-5.

52) Leon C, Orozco-Vargas LC, Krishnamurthy G, Choi KL, Mercado C, Merrill D, Thomas I, **Salman L**, Artikov S, Bourgoignie JJ and Asif A.
Accuracy of physical examination in the detection of arteriovenous graft stenosis.
Semin Dial. 2008, Jan-Feb;21(1):85-8.

53) Mercado C, **Salman L**, Krishnamurthy G, Choi K, Artikov S, Thomas I, Merrill D, Asif A.
Early and late fistula failure.
Clin Nephrol. 2008, Feb;69:77-83.

54) Asif A, Leon C, Orozco-Vargas LC, Krishnamurthy G, Choi KL, Mercado C, Merrill D, Thomas I, **Salman L**, Artikov S and Bourgoignie JJ.
Accuracy of physical examination in the detection of arteriovenous fistula stenosis.
Clin J Am Soc Nephrol. 2007, Nov;2(6):1191-4.

55) **Salman L** and Asif A.
Current Concept of Hand Ischemia, Review article.
End-stage Renal Disease - Vascular Access, 2008, 2, 44-46.

56) Bini EJ, Reinhold JP, Weinshel EH, Generoso R, **Salman L**, Dahr G and Pena-Sing I.
Prospective evaluation of the use and outcome of admission stool guaiac testing: The Digital Rectal Examination on Admission to the Medical Service (DREAMS) study.
J Clin Gastroenterol, 2006, 40:821-827.

57) Bini EJ, Weinshel EH, Generoso R, **Salman L**, Dahr G, Pena-Sing I.
Impact of gastroenterology consultation on the outcomes of patients admitted to the hospital with decompensated cirrhosis.
Hepatology, 2001, 34:1089-1095.

19. Other works, publications and abstracts:

- 1) Franklin Lam, Rafia Chaudhry, **Loay Salman**, Mauricio Monrroy. Managing Bilateral Renal Artery Stenosis (RAS) Poster Presentation at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 2) Panpan Chen, Anum Bilal, **Loay Salman**, Mauricio Monrroy, Rafia Chaudhry. Systemic Sclerosis Sine Syndrome: Another Cardio Renal Collusion. Poster Presentation at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 3) Juan C. Duque, MD, Laisel Martinez, PharmD, Angela Paez, MD, Marwan Tabbara, MD, Guillermo Selman, PhD, **Loay H. Salman**, MD, Roberto I. Vazquez-Padron, PhD. Postoperative vascularization of the arteriovenous fistula is not associated with maturation: a pilot study. Poster Presentation at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 4) Laisel Martinez, PharmD, Juan C. Duque, MD, Angela Paez, MD, Marwan Tabbara, MD, Diana R. Hernandez, PhD, Guillermo Selman, PhD, **Loay H. Salman**, MD, Omaida C. Velazquez, MD, Roberto I. Vazquez-Padron, PhD. Differences in vascular fibrosis explain sex disparities in AVF maturation outcomes. Poster Presentation at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 5) Diana R. Hernandez, PhD, Yuntao Wei, MD, Fotios M. Andreopoulos, PhD, Laisel Martinez, PharmD, **Loay H. Salman**, MD, Roberto I. Vazquez-Padron, PhD. Decreased collagen cross-linking improves the biomechanical performance of experimental arteriovenous fistulas. Poster Presentation at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 6) Guillermo Selman, PhD, Nieves Santos, BS, Laisel Martinez, PharmD, Juan C. Duque, MD, Marwan Tabbara, MD, **Loay H. Salman**, MD, Roberto I. Vazquez-Padron, PhD. Isolation of high-quality RNA from human veins and arteriovenous fistulas. Poster Presentation at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 7) Rafia I Chaudhry, Anum Bilal, Adam Austin, **Loay Salman**, Paul Feustel, Llewellyn Foulke, Swati Mehta, Roman Zuckerman, Arif Asif. ANCA Associated Vasculitis: Experience of A Tertiary Care Referral Center.

Abstract supplement online publication at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.

- 8) Anum Bilal, Adam Austin, **Loay Salman**, Arif Asif, Swati Mehta, Llewellyn Foulke, Roman Zuckerman, Rafia Chaudhry.
Unusual Presentations of Anti-GBM Disease: A Case Series.
Abstract supplement online publication at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 9) Swati Mehta, Anum Bilal, Arif Asif, **Loay Salman**, Llewellyn Foulke, Adam Austin, Rafia Chaudhry.
Fibrillary Glomerulonephritis (FGN): a rare clinical-pathologic entity, not always with poor renal outcomes!
Abstract supplement online publication at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 10) Stephenie Le, Ritu Modi, Anum Bilal, Rafia Chaudhry, Richard Blinkhorn, **Loay Salman**, Krishnakumar Hongalgi.
All the Right Hits: APOL1, CMV, and Collapsing Focal Segmental Glomerulosclerosis.
Abstract supplement online publication at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 11) Denaly Chen, Rafia Chaudhry, Mauricio Monrroy, **Loay Salman**.
Long-Term Spontaneous Operational Tolerance After Deceased-Donor Kidney Transplantation: A Case Report.
Abstract supplement online publication at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 12) Denaly Chen, Anum Bilal, Rafia Chaudhry, **Loay Salman**, Mauricio Monrroy.
Familial Neurohypophyseal Diabetes Insipidus (FNDI) Spanning Five Generations.
Abstract supplement online publication at American Society of Nephrology, Kidney Week 2017, New Orleans, LA. October - November, 2017.
- 13) Shreya Ghetiya, Aref Obaji, Dawn Calderon, Suhsil Mehandru, Awais Masud, **Loay Salman**, Rajiv Dhamija, Arif Asif:
Subcutaneous ICDs for Renal Patients.
Annual Scientific Meeting of the National Kidney Foundation. April, 2017; Orlando, FL.
- 14) Vikas Singh, Huzaif Qaisar, Mayur K. Patel, Indu Sharma, Sushil Mehandru, Awais Masud, **Loay Salman**, Arif Asif:

Ischemic Monomelic Neuropathy: A long-term follow-up of 2 patients without fistula ligation. Annual Scientific Meeting of the National Kidney Foundation. April, 2017; Orlando, FL.

- 15) Huzaif Qaisar, Vikas Singh, Mayur K. Patel, Indu Sharma, Sushil Mehandru, Avais Masud, **Loay Salman**, Arif Asif: Hypokalemic Metabolic Alkalosis and Hypertension in Blacks. Annual Scientific Meeting of the National Kidney Foundation. April, 2017; Orlando, FL.
- 16) Arif Asif, Ferdinand Venditti, David Conti, Elizabeth Anderson, **Loay Salman**: Quality Improvement Comprehensive Hypertension Project: A four-year progress report. Annual Scientific Meeting of the National Kidney Foundation. April, 2017; Orlando, FL.
- 17) Anum Bilal, Rafia Chaudhry, Richard Blinkhorn, **Loay Salman**, Elvira Gosmanova: Granulomatous Prostatitis as a Rare Presentation of Granulomatosis with Polyangiitis. Annual Scientific Meeting of the National Kidney Foundation. April, 2017; Orlando, FL.
- 18) Anum Bilal, Llewellyn Foulke, Suzanne Homan, Sungeun Kim, David Conti, **Loay Salman**, Rafia Chaudhry: Skin Rash: A Rare Presentation of Post-Transplant Lymphoproliferative Disorder. Annual Scientific Meeting of the National Kidney Foundation. April, 2017; Orlando, FL.
- 19) Robert Zhang, Anum Bilal, **Loay Salman**, Rafia Chaudhry: Digital Ischemia and ANCA Vasculitis. Annual Scientific Meeting of the National Kidney Foundation. April, 2017; Orlando, FL.
- 20) Tabbara M, Martinez L, Duque JC, Paez A, Selman G, **Salman LH**, Vazquez-Padron RI. Intimal Hyperplasia Does Not Explain Focal Stenosis in Two-Stage Arteriovenous Fistulas. Poster Presentation at American Society of Nephrology, The Kidney Week 2016, Chicago IL. November, 2016
- 21) Martinez L, Duque JC, Tabbara M, Paez A, Selman G, **Salman LH**, Vazquez-Padron RI.

Postoperative Medial Fibrosis Predicts Maturation Failure in Two-Stage Arteriovenous Fistulas.

Poster Presentation at American Society of Nephrology, The Kidney Week 2016, Chicago IL. November, 2016

22) Duque JC, Martinez L, Dejman A, Tabbara M, Vazquez-Padron RI, **Salman LH.**

Impact of HIV Infection on Arteriovenous Fistula Outcomes: A Retrospective Analysis.

Poster Presentation at the American Society of Nephrology, The Kidney Week 2016, Chicago IL. November, 2016

23) Duque JC, Dejman A, Tabbara M, Martinez L, Escobar L, **Salman L**, Vazquez-Padron RI.

Incidence of pulmonary hypertension and cardiac hypertrophy in minority ethnic groups with newly created arteriovenous Access for hemodialysis in a large safety net hospital.

Poster Presentation at National Kidney Foundation (NKF) 2016 Spring Clinical Meetings 2016, Boston MA.

24) Duque JC, Tabbara M, Martinez L, Escobar L, Wu W, Pan Y, Fernandez N, Velazquez O, **Salman L**, Vazquez-Padron RI.

Neither Pre-existing nor Postoperative intimal hyperplasia explains primary failure in two-stage arteriovenous fistula: The first matched-Pair tissue cohort study.

Oral presentation at Annual ASDIN Scientific Meeting 2016. Phoenix, AZ.

25) Duque JC, Salsamendi J, Armstrong A, Dejman A, Pan Y, Vazquez-Padron RI and **Salman L**.

Fibrin Sheath, central venous stenosis and central venous thrombosis as a complication of tunneled hemodialysis catheters: What are their actual rates?

Poster Presentation at Annual ASDIN Scientific Meeting 2016. Phoenix, AZ.

26) Laisel Martinez, M.S.; Juan C. Duque, M.D.; Luis A. Escobar, M.D.; Marwan Tabbara, M.D.; Roberto I. Vazquez-Padron, Ph.D.; **Loay H. Salman, M.D.**

Distinct Impact of Three Different Statins on Arteriovenous Fistula Outcomes: A Retrospective Analysis

Poster presentation at the 12th Annual American Society of Diagnostic and Interventional Nephrology (ASDIN) Scientific Meeting, February 19-21, 2016, in Phoenix, Arizona.

27) Adriana Dejman, Juan C. Duque, Antonio A. Armstrong, Yue Pan, Roberto I Vazquez-Padron, Jason Salsamendi, **Loay H. Salman**.
Hemodialysis catheter exchange procedures: What is the foe?
Poster presentation at the 12th Annual American Society of Diagnostic and Interventional Nephrology (ASDIN) Scientific Meeting, February 19-21, 2016, in Phoenix, Arizona.

28) Marwan Tabbara, Juan C. Duque, Laisel Martinez, Luis A. Escobar, Wensong Wu, Yue Pan, Natasha Fernandez, **Loay H. Salman**, and Roberto I. Vazquez-Padron.
NEITHER PRE-EXISTING NOR POSTOPERATIVE INTIMAL HYPERPLASIA EXPLAINS PRIMARY FAILURE IN TWO-STAGE ARTERIOVENOUS FISTULAE: THE FIRST MATCHED-PAIR Tissue COHORT STUDY
Podium presentation at the 12th Annual American Society of Diagnostic and Interventional Nephrology (ASDIN) Scientific Meeting, February 19-21, 2016, in Phoenix, Arizona.

29) Adriana Dejman, Juan C. Duque, Antonio A. Armstrong, Yue Pan, Roberto I Vazquez-Padron, Jason Salsamendi, **Loay H. Salman**.
FIBRIN SHEATH, CENTRAL VENOUS STENOSIS, AND CENTRAL VENOUS THROMBUS AS A COMPLICATION OF TUNNELED HEMODIALYSIS CATHETERS: WHAT ARE THEIR ACTUAL RATES? Poster presentation at the 12th Annual American Society of Diagnostic and Interventional Nephrology (ASDIN) Scientific Meeting, February 19-21, 2016, in Phoenix, Arizona.

30) Escobar LA, Tabbara M, Duque JC, Martinez L, Wu W, Pan Y, Fernandez N, Velazquez OC, **Salman LH**, Vazquez-Padron RI.
Pre-existing Venous Intimal Hyperplasia Explains Post-operative Neointima Growth but Fails to Predict Arteriovenous Fistula Failure: The Matched-pair Cohort Study.
Oral Presentation at American Heart Association 2015 Scientific Sections in Orlando. Nov 2015

31) Vazquez-Padron RI, Duque J.C., Tabbara M., **Salman L. H.**, Vazquez-Padron RI.
The Absence of mature CD4+ T-lymphocytes Compromises Arteriovenous Fistula Maturation in Rats.
Oral Presentation at the 10th Annual Academic Surgical Congress in Las Vegas, Nevada, Jan 2015

32) Timothy Muchayi, Gabriel Contreras, Arif Asif, Oliver Lenz, **Loay Salman**.
Dialysis Access Surveillance: Where Do we stand? A Meta-analysis
Poster presentation at the American Society of Diagnostic and Interventional Nephrology (ASDIN) 2014 annual scientific meeting, Phoenix, Arizona.

33) Duque JC, **Salman L**, Tabbara M, Asif A, Vazquez-Padron RI
Inflammatory cells and Arteriovenous Fistula Maturation in Rats
Poster presentation at the American Society of Diagnostic and Interventional
Nephrology (ASDIN) 2014 annual scientific meeting, Phoenix, Arizona.

34) Rajiv Dhamija, Kendell Felker, Nina Patel, **Loay Salman**, Gary Siskin, Arif Asif.
The use of a Subcutaneous Implantable Cardioverter-Defibrillator in Chronic
Hemodialysis Patients.
Poster presentation at the American Society of Diagnostic and Interventional
Nephrology (ASDIN) 2014 annual scientific meeting, Phoenix, Arizona.

35) Skartsis N, Pham SM, Tabbara M, Wei Y, **Salman LH**, Asif A, Vazquez-Padron
RI. RNA Interference and Inhibition of Stem Cell Factor (SCF)/c-Kit Signaling
Prevent Stenosis of Arteriovenous Fistulae. Poster Presentation at American
Heart Association 2011 Scientific Sections in Orlando. Circulation, Oct 2011.

36) **Loay Salman**, Jose Esquenazi, Juan Garisto, Marco Ladino, Mauricio Monrroy,
Donna Merrill, Roger Carrillo, Lopera Gustavo, Urwa Barakat, Arif Asif.
Epicardial Leads: Might this be the Preferred Route for Chronic Renal Failure
Patients?
Abstract presented at the American Society of Diagnostic and Interventional
Nephrology scientific meeting (02/2010).

37) William D. Paulson, MD1, Arif Asif, MD2, **Loay H. Salman**, MD2 and Steven A
Jones, PhD3. 1Medicine, Charlie NorwoodVA Med. Center, Augusta, GA,
United States; 2Medicine, U. of Miami Miller School of Med., Miami, FL,
United States and 3Biomedical Engineering, Louisiana Tech U., Ruston, LA,
United States.
MATHEMATICAL MODEL OF ARTERIOVENOUS FISTULA (AVF): A POWERFUL
METHOD TO IMPROVEUNDERSTANDING OF THE HEMODYNAMICS OF AVF
FAILURE
Abstract presented at the American Society of Nephrology scientific meeting
11/2010

38) Antoine Samaha, Manuel Garcia-Estrada, Marco Ladino, **Loay Salman**, Donna
Merrill, Urwa Barakat, Arif Asif.
Rerouting Procedure for Arteriovenous Accesses: Is it Worth Using the Side
Branches?
Abstract presented at the American Society of Diagnostic and Interventional
Nephrology scientific meeting (02/2010).

39) **Loay Salman**, Juan Garisto, Alba Gonzalez, Jose Esquenazi, Marco Ladino, Marco Pagani, Donna Merrill, Roger Carrillo, Lopera Gustavo, Urwa Barakat, Arif Asif.
Impact of Balloon Inflation on Pacemaker Leads.
Abstract presented at the American Society of Diagnostic and Interventional Nephrology scientific meeting (02/2010).

40) Roger Carillo, Juan Domingo, **Loay Salman**, Marco Ladino, Manuel Garcia-Estrada, Donna Merrill, Arif Asif.
Laser Sheath Removal of a Tethered Tunneled Dialysis catheter.
Abstract presented at the American Society of Nephrology scientific meeting (11/2009)

41) **Loay Salman**, Marco Ladino, Manju Alex, Marco Pagani, Rajiv Dhamija, Aiman Layka, Donna Merrill, Oliver Lenz, Arif Asif.
Assessment of Inflow Stenosis by Ultrasound: Results of a Prospective Study.
Abstract. Presented at the American Society of Nephrology scientific meeting (11/2009)

42) Arif Asif (1), **Loay Salman (1)**, Roger G. Carillo (2), Gustavo Lopera (3), Urwa Barakat (3), Oliver Lenz (1), Marco Ladino (1), Manuel Garcia-Estrada (1), Florin Gadalean (2), Anil Agarwal (3), Alexander Yevzlin (4), Bharat Sachdeva (5), Tushar J. Vachharajani (6), Steven Wu (7), Ivan D. Maya (8), Ken Abreo (5) Institutions: 1) Interventional nephrology, Cardiothoracic Surgery and electrophysiology, University of Miami, Miami, FL 2) Nephrology Associates, Orlando, FL. 3) University of Ohio, Columbus, OH. 4) University of Wisconsin, Madison, WI. 5) Louisiana State University, Shreveport, Louisiana. 6) Wake Forest University School of Medicine, Winston Salem, North Carolina 7) Massachusetts General Hospital, Harvard University, Boston, MA. 8) University of Alabama, Birmingham, AL.
Management of Pacemaker-Induced Central Stenosis in Hemodialysis Patients: Result of a Multi-Center Study.
Abstract presented at the American Society of Nephrology scientific meeting (11/2009)

43) **Loay Salman**, Arif Asif, Manju Alex, Ian Thomas, Shukhrat Artikov, Donna Merrill, Gabriel Contreras, B. Francois.
Patency Rates for Secondary Fistulae Are Not Colossal in the “Fistula First” Era. J Am Soc Nephrol 19:900A, 2008

44) **Loay Salman**, Arif Asif, Sanghamithra Sadhu, Adela Mattiazzi, Manju Alex, Ian Thomas, Shukhrat Artikov, Donna Merrill, B. Francois.
Adverse Reactions to Contrast Dye Can Be Life-Threatening in Outpatient Interventional Nephrology Laboratories. J Am Soc Nephrol 19:901A, 2008

45) **Loay Salman**, Arif Asif, Manju Alex, Marco Ladino, Ian Thomas, Shukhrat Artikov, Donna Merrill, B. Francois, Contreras Gabriel.
Loop Arteriovenous Fistulae: Do They Have a Place as Hemodialysis Access? J Am Soc Nephrol 19:257A, 2008

46) **Loay Salman**, Manju Alex, Arif Asif, Gabriel Contreras, Ian Thomas, Shukhrat Artikov, Marco Ladino, Adela Mattiazz. Peritoneal dialysis underutilization: Is interventional nephrology part of the solution. J Am Soc Nephrol 19:911A, 2008

47) Manju Alex, Arif Asif, Gabriel Contreras, Ian Thomas, Shukhrat Artikov, Marco Ladino, Adela Mattiazz, **Loay Salman**. Blunt needle reduces bowel perforation during peritoneal dialysis catheter insertion. J Am Soc Nephrol 19:912A, 2008

48) Buxbaum J, Jacobson D, Tago C, **Salman L**. Pathogenesis of Cardiac Amyloidosis in Aging African-Americans. Variant sequence Transthyretin Ile (Isoleucine) 122 allele in late onset cardiac amyloidosis in African Americans.

49) **Loay Salman**, Jose Esquenazi, Juan Garisto, Marco Ladino, Mauricio Monrroy, Donna Merrill, Roger Carrillo, Lopera Gustavo, Urwa Barakat, Arif Asif. Epicardial Leads: Might this be the Preferred Route for Chronic Renal Failure Patients?
Abstract presented at the American Society of Diagnostic and Interventional Nephrology scientific meeting (02/2010).

50) Antoine Samaha, Manuel Garcia-Estrada, Marco Ladino, **Loay Salman**, Donna Merrill, Urwa Barakat, Arif Asif. Rerouting Procedure for Arteriovenous Accesses: Is it Worth Using the Side Branches?
Abstract presented at the American Society of Diagnostic and Interventional Nephrology scientific meeting (02/2010).

51) **Loay Salman**, Juan Garisto, Alba Gonzalez, Jose Esquenazi, Marco Ladino, Marco Pagani, Donna Merrill, Roger Carrillo, Lopera Gustavo, Urwa Barakat, Arif Asif. Impact of Balloon Inflation on Pacemaker Leads.
Abstract presented at the American Society of Diagnostic and Interventional Nephrology scientific meeting (02/2010).

52) Roger Carillo, Juan Domingo, **Loay Salman**, Marco Ladino, Manuel Garcia-Estrada, Donna Merrill, Arif Asif.

Laser Sheath Removal of a Tethered Tunneled Dialysis catheter.
Abstract presented at the American Society of Nephrology scientific meeting (11/2009)

53) **Loay Salman**, Marco Ladino, Manju Alex, Marco Pagani, Rajiv Dhamija, Aiman Layka, Donna Merrill, Oliver Lenz, Arif Asif.
Assessment of Inflow Stenosis by Ultrasound: Results of a Prospective Study.
Abstract. Presented at the American Society of Nephrology scientific meeting (11/2009)

54) **Loay Salman**, Arif Asif, Manju Alex, Ian Thomas, Shukhrat Artikov, Donna Merrill, Gabriel Contreras, B. Francois.
Patency Rates for Secondary Fistulae Are Not Colossal in the “Fistula First” Era. *J Am Soc Nephrol* 19:900A, 2008

55) **Loay Salman**, Arif Asif, Sanghamithra Sadhu, Adela Mattiazzi, Manju Alex, Ian Thomas, Shukhrat Artikov, Donna Merrill, B. Francois.
Adverse Reactions to Contrast Dye Can Be Life-Threatening in Outpatient Interventional Nephrology Laboratories. *J Am Soc Nephrol* 19:901A, 2008

56) **Loay Salman**, Arif Asif, Manju Alex, Marco Ladino, Ian Thomas, Shukhrat Artikov, Donna Merrill, B. Francois, Contreras Gabriel.
Loop Arteriovenous Fistulae: Do They Have a Place as Hemodialysis Access? *J Am Soc Nephrol* 19:257A, 2008

57) **Loay Salman**, Manju Alex, Arif Asif, Gabriel Contreras, Ian Thomas, Shukhrat Artikov, Marco Ladino, Adela Mattiazzi.
Peritoneal dialysis underutilization: Is interventional nephrology part of the solution. *J Am Soc Nephrol* 19:911A, 2008

58) Manju Alex, Arif Asif, Gabriel Contreras, Ian Thomas, Shukhrat Artikov, Marco Ladino, Adela Mattiazzi, **Loay Salman**.
Blunt needle reduces bowel perforation during peritoneal dialysis catheter insertion. *J Am Soc Nephrol* 19:912A, 2008

59) Buxbaum J, Jacobson D, Tago C, **Salman L**.
Pathogenesis of Cardiac Amyloidosis in Aging African-Americans. Variant sequence Transthyretin Ile (Isoleucine) 122 allele in late onset cardiac amyloidosis in African Americans.

V. PROFESSIONAL

20. Funded Research- Active:

- Title: High-intensity Atorvastatin for Arteriovenous Fistula Failure (HAFF) Study

Type: Feasibility Study
Agency: Albany Medical College- BGP
Role: **Principal Investigator**
Institution: Albany Medical College
Total Grant Award: \$ 41,000.00
Dates: Expected 08/01/17- 07/30/18

- Title: Surveillance – Transonic Hemodialysis Access Surveillance Evaluation (HASE) Study
Type: Randomized Controlled Trial
Agency: Transonic Inc.
Role: **Principal Investigator**
Institution: Albany Medical College
Total Grant Award: \$ 110,000.00
Dates: Expected 01/01/17- 06/30/19
- Title: In vivo assessment of 4-methylumbelliferone on the progression of Diabetic Kidney Disease in a mouse experimental model study.
Agency: John Faunce and Alicia Tracy Roach Fund of the Community Foundation for the Greater Capital Region
Role: **Principal Investigator**
Total Grant Award: \$ 25,000
Date: 01/04/2017

21. Funded Research- Past:

- Title: Vascular Progenitor Cells in Arteriovenous Fistula Stenosis
Agency: NIH-NIDDK Project Grant (1R01DK098511-01)
Role: **CO - Principal Investigator**
Total Grant Award: \$ 1,912,500.00
Dates: 6/01/13- 5/31/17
- Title: Surveillance – Transonic Hemodialysis Access Surveillance Evaluation (HASE) Study
Type: Randomized Controlled Trial
Agency: Transonic Inc.
Role: **Principal Investigator**
Institution: University of Miami
Total Grant Award: \$ 110,000.00
Dates: Expected 02/01/15- 06/30/17

22. Editorial Responsibilities:

- Editorial Board, The Journal of Vascular Access (JVA), The American Society of Diagnostic and Interventional Nephrology (ASDIN) Section, (03/2016 – Current)

- Yevzlin A, Asif A, and **Salman L**, editors: Clinician guide to Interventional Nephrology, Springer Science. (ISBN-13: 978-1461488026 ISBN-10: 1461488028) Publisher: Springer; 2014 edition.
- Editor (Chair, Curriculum subcommittee) Interventional Nephrology Self-Assessment program (IN-SAP) for the American Society of Diagnostic and Interventional Nephrology Society (ASDIN). This is a CME educational activity that is posted on ASDIN website with regular periodic new subject materials to match the progress in the field. This program started in 2013.

23. Professional and Honorary Organizations:

- Chairman of the Education Committee, American Society of Diagnostic and Interventional Nephrology, 03/2016 – Current.
- Chairman of the Program Subcommittee, American Society of Diagnostic and Interventional Nephrology, 03/2016 – Current.
- Elected for Faculty Senate Representative (Alternate for Constituency D) Seat, University of Miami Miller School of Medicine, 04/2015 – 04/2018.
- Elected Councilor, American Society of Diagnostic and Interventional Nephrology (ASDIN), 02/2015 – 02/2018.
- Elected for Faculty Council Representative At Large Seat, University of Miami Miller School of Medicine, 09/2014 – 08/2017.
- Chairman of the curriculum subcommittee, The American Society of Diagnostic and Interventional Nephrology, 03/2012 – 03/2016.
- Member of the certification committee for hemodialysis vascular access, The American Society of Diagnostic and Interventional Nephrology, 2008 – Current.
- Member of the certification committee for peritoneal dialysis access. The American Society of Diagnostic and Interventional Nephrology, 2008 – Current.
- Active Member, American Society of Nephrology, 2006 – Current.
- Active Member, National Kidney Foundation.
- American society of Nephrology program committee member for the “ASN Renal Week 2010 In-Depth Course in “Interventional Nephrology”.
- Co-Chair of Interventional Nephrology post graduate course at the annual scientific meeting (2011& 2012) of the National Kidney Foundation.
- American Society of Diagnostic and Interventional Nephrology, Clinical practice committee. 2010 and 2011.
- Hemodialysis Vascular Access Certifications Subcommittee, American Society of Diagnostic and Interventional Nephrology. 2008- Current.
- Peritoneal Dialysis Catheter Certifications Subcommittee, American Society of Diagnostic and Interventional Nephrology. 2008- Current.
- Curriculum Subcommittee (Education Committee), American Society of Diagnostic and Interventional Nephrology. (Member 2008-2012).

- Program committee. American Society of Diagnostic and Interventional Nephrology 6th annual scientific meeting Feb. 19-21, 2010, Orlando, FL.

24. Honors and Awards:

- Attending of the Year 2016-2017 - voted by nephrology fellows, Albany Medical College, Albany, NY.
- 2017 Syed S. Haqqie teaching attending award - voted by nephrology fellows, Albany Medical College, Albany, NY.
- Faculty of 1000 Medicine award:
[Antibiotic Prophylaxis: Is it needed for Dialysis Access Procedures? Loay Salman and Arif Asif. Semin Dial. 2009 May-Jun; 22(3):297-9] was selected for Faculty of 1000 Medicine. (Document available upon request).
Faculty of 1000 Medicine (www.f1000medicine.com) is a revolutionary literature awareness service that identifies and evaluates the most important articles published in Medicine based on the recommendations of a Faculty of over 2000 peer-nominated leading researchers and clinicians.
This article's identification and inclusion provides recognition from your peers of its scientific merit and the positive contribution it makes to the medical literature.
- Pinehill Nursing center Excellence in care award. March 30, 2004.
This award was provided to me by the Pinehill Nursing Care System for organizing care for their nursing home patients in their facilities.
- New York University / Veterans Affairs Medical Center Certificate of Appreciation (07/01/1999 – 06/30/2000).
This was provided to me during my chief resident year at New York University for taking a lead role in organizing the teaching services for Internal Medicine Residents at the Emergency Medical Service department.
- Dean's list throughout medical school years, 9/1/1987 - 9/1/1993
Tishreen University, Lattakia, Syria

25. Post-Doctoral Fellowships:

University of Miami, Miami, FL; Nephrology Fellowship, 07/2006 to 06/2008

26. Other Professional Activities:

- **Invited National Institute of Health (NIH) Reviewer:**
 - Invited to review the National Institute of Health (NIH / NIDDK) - Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR) applications- June, 2017.

- **Invited manuscript Reviewer:**

- 1) Review Manuscript:
Title: "*Catheter-related Complications and Survival among Incident Hemodialysis patients in Singapore*".
Journal: JOURNAL OF VASCULAR ACCESS (JVA).
Manuscript number: JVA-D-17-00234.
- 2) Review Manuscript:
Title: "*Impact of Simulation-based Learning on Immediate Outcomes of Temporary Hemodialysis Catheter Placements by Nephrology Fellows*".
Journal: American Journal of Kidney Disease (AJKD).
Manuscript number: AJKD-D-17-00309.
- 3) Review Manuscript:
Title: "*Hemodialysis Reliable Outflow (HeRO) graft thrombectomy can be performed endovascularly safely using an occlusion balloon*".
Journal: Journal of Vascular Access (JVA).
Manuscript number JVA-D-16-00257.
- 4) Review Manuscript:
Title: "*Lower Extremity Permanent Dialysis Vascular Access*".
Journal: Clinical Journal Of The American Society Of Nephrology (CJASN).
Manuscript number CJASN-0178-02-16.
- 5) Review Manuscript:
Title: "*OUTPATIENT REMOVAL OF TUNNELED DIALYSIS CATHETERS BY NEPHROLOGY FELLOWS IN TRAINING AT A VETERANS ADMINISTRATION MEDICAL CENTER*".
Journal: Journal of Vascular Access (JVA).
Manuscript number JVA-D-15-00273.
- 6) Review Manuscript:
Title: "*Differences in Initial Hemodialysis Vascular Access Use Among Glomerulonephritis Subtypes in the United States*".
Journal: American Journal of Kidney Disease (AJKD).
Manuscript number AJKD-D-15-01450.
- 7) Review Manuscript:
Title: "*New Developments in our Understanding of Neointimal Hyperplasia*".
Journal: Advances in Chronic Kidney Disease.
Ms. Ref. No.: ACKD-D-15-00008

- 8) Review Manuscript:
Title: "How accurate are we in sending patients to angiography?".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.
Manuscript number ASDIN-Feb-2014-0009.
- 9) Review Manuscript:
Title: "Cardiovascular Implantable Electronic Devices in Hemodialysis Patients: Prevalence and Implications for Arteriovenous Hemodialysis Access Interventions".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.
Manuscript number ASDIN-Nov-2013-0060.
- 10) Review Manuscript:
Title: "Outcomes of single stage compared to two-stage basilic vein transposition fistulae".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.
Manuscript number ASDIN-Jul-2013-0038.
- 11) Review Manuscript:
Title: "REVIEW OF BLOOD PRESSURE CONTROL RATES AND OUTCOMES".
Journal: Journal of the American Society of Hypertension.
Manuscript number JASH-D-13-00072.
- 12) Review Manuscript:
Title: "Safety and blood pressure trajectory of short-term withdrawal of antihypertensive medications in older adults: experience from a clinical trial sample Journal of the American Society of Hypertension".
Journal: Journal of the American Society of Hypertension.
Manuscript number JASH-D-13-00015.
- 13) Review Manuscript:
Title: "The Effect of Buttonhole Cannulation versus Rope-ladder Technique on Hemodialysis Access Patency".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Jan-2013-0008.
- 14) Review Manuscript:
"Recognition and Management of Masked Hypertension: A review Journal of the American Society of Hypertension".
Journal: Journal of the American Society of Hypertension.
Manuscript number JASH-D-12-00094.

15) Review Manuscript:

Title: "Surgical Management of Cephalic Arch Occlusive Lesions: Are There Predictors for Outcomes?"

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript ID ASDIN-Jan-2013-0004.

16) Review Manuscript:

Title: "Radiation Doses Associated with Dialysis Vascular Access Procedures Performed by Interventional Nephrologists"

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript ID ASDIN-Dec-2012-0066.

17) Review Manuscript:

Title: "Clinical Significance of Pre-cannulation Venography of a Newly Created Vascular Access in Hemodialysis Patients".

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Jul-2012-0040.

18) Review Manuscript:

Title: "TREATMENT ADHERENCE, CLINICAL OUTCOMES, AND ECONOMICS OF TRIPLE-DRUG THERAPY IN HYPERTENSIVE PATIENTS."

Journal: Journal of the American Society of Hypertension.

Ms. Ref. No.: JASH-D-12-00042

19) Review Manuscript:

Title: "Active Ambulatory Care Management Supported by Short Message Services and Mobile Phone Technology in Patients with Arterial Hypertension."

Journal: Journal of the American Society of Hypertension.

Ms. Ref. No.: JASH-D-12-00035R1

20) Review Manuscript:

Title: "Clinical Study 376128 for the International Journal of Nephrology. EFFICACY SAFETY OF AMLODIPINE AND VALSARTAN SINGLE-PILL COMBINATION IN HYPERTENSIVE TURKISH PATIENTS (PEAK STUDY)."

Journal: Journal of the American Society of Hypertension.

Ms. Ref. No.: JASH-D-12-00033R1

21) Review Manuscript:

Title: "The Role of Intravenous Catheters in Cardiovascular Implantable Electronic Device Infections: Identifying Potential Targets for Prevention."

Journal: American Journal of Infection Control.

Ref: AJIC-D-12-00190R1

22) Review Manuscript:

Title: "Comparison of the Palindrome versus Step-tip Tunneled Hemodialysis Catheter: A Prospective Randomized Trial."

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Sep-2011-0053

23) Review Manuscript:

Title: "The StenTec™ Gauge for Measuring Static Intra-access Pressure Ratio (PIA Ratio) of Fistulas and Grafts."

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Sep-2011-0054

24) Review Manuscript:

Title: "Effect of an oral adsorbent, AST-120, on dialysis initiation and survival in patients with chronic kidney disease".

Journal: International Journal of Nephrology.
Clinical Study 376128.

25) Review Manuscript:

Title: "Clearance and safety of the radiocontrast medium iopamidol in peritoneal dialysis patients".

Journal: International Journal of Nephrology.
Research Article 657051

26) Review Manuscript:

Title: "Catheter Dysfunction: The Role of Lock Solutions".

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Jun-2011-0024.

27) Review Manuscript:

Title: "Pumping Iron: Revisiting Risks, Benefits and Strategies in Treatment of Iron Deficiency in End Stage Renal Disease".

Journal: Clinical Nephrology.
Manuscript # 107266.

28) Review Manuscript:

Title: "Linezolid versus Vancomycin antibiotic lock solution for the prevention of non-tunneled catheter related blood stream infections in hemodialysis patients: a prospective randomized study"

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Feb-2011-0012.

29) Review Manuscript:

Title: "Differentiation of bone marrow-derived cells into regenerated mesothelial cells in peritoneal remodeling using a peritoneal fibrosis mouse model"

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Feb-2011-0010.

30) Review Manuscript:

Title: "Hybrid Surgery versus Percutaneous Mechanical Thrombectomy for Thrombosed Hemodialysis Autogenous Arteriovenous Fistulas"

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Nov-2010-0042.

31) Review Manuscript:

Title: "Percutaneous Salvage of Thrombosed Immature Arteriovenous Fistulas". Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript # ASDIN-Sep-2010-0034.

32) Review Manuscript:

Title: "Single incision sheathless technique and the Hemostream chronic dialysis catheter"

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology. Manuscript ID ASDIN-Jul-2010-0026.

33) Review book chapter:

Book: "Interventional Nephrology Core Curriculum for Peritoneal Dialysis".

Chapter: "Fluoroscopic Placement of Peritoneal Dialysis Catheters"

Kenneth Abreo M.D., Bharat Sachdeva, M.D., Ivan Maya, M.D.

LSU Health Sciences Center, Shreveport Louisiana and University of Alabama at Birmingham, Alabama.

34) Review Manuscript:

Title: "Total parathyroidectomy without autotransplantation in surgical treatment of secondary hyperparathyroidism of chronic kidney disease".

Journal: Clinical Nephrology.

Manuscript # 106672 - 1.

35) Review Manuscript:

Title: "Retained Catheter Fragment in the right atrium from a fractured tunelled catheter- a rare and potentially lethal condition".

Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.

Manuscript # ASDIN-Apr-2010-0013.

36) Review Manuscript:

Title: "Experience with Outpatient Computed Tomographic – Guided Renal Biopsy" Journal: Clinical Nephrology.
Manuscript # 106505 – 1.

37) Review Manuscript:

Title: "Predictive factors associated with left ventricular (LV) hypertrophy at baseline and in the follow-up period in non-diabetic hemodialysis patients".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.
Manuscript # ASDIN-Mar-2010-0007

38) Review Manuscript:

Title: "Ischemic Monomelic Neuropathy: Underappreciated cause of pain following dialysis access".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.
Manuscript # ASDIN-Sep-2009-0010.

39) Review Manuscript:

Title: "Prophylactic antibiotic for tunneled dialysis catheters".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.
Manuscript # ASDIN-Aug-2009-0003.

40) Review Manuscript:

Title: "Uncommon Complications of Tunneled Cuffed Hemodialysis Catheters: Adhesion, Migration and Perforation of the Catheter Tip".
Journal: Supplement for the American Society of Diagnostic and Interventional Nephrology.
Manuscript # ASDIN-Jul-2009-0002.

41) Review Manuscript:

Title: "The history of Interventional Nephrology"
Journal: Advances in Chronic Kidney Disease,
Vol 16, No 5 (September), 2009: pp 302-308

• **Invited international Lectures:**

- 1) XIV CONGRESS OF THE NEPHROLOGY ASSOCIATION OF BUENOS AIRES
III MEETING OF NEPHROLOGISTS OF THE RIO DE LA PLATA (ARGENTINA / URUGUAY)
VIII NATIONAL CONGRESS OF NEPHROLOGY RESIDENTS
II MEETING OF NEPHROLOGY NURSES OF THE NEPHROLOGY ASSOCIATION OF BUENOS AIRES

III MEETING OF NEPHROLOGY NURSES OF THE RIO DE LA PLATA
(ARGENTINA/URUGUAY)

I LATINOAMERICAN CONGRESS OF HYDRATATION

To be held in Buenos Aires, Argentina from Wednesday, September 7-11, 2016. Invited to present for the Interventional Nephrology session.

- 2) VI CONGRESS OF THE INTERNATIONAL SOCIETY FOR HEMODIALYSIS, XVIII CONGRESO ARGENTINO DE NEFROLOGIA and the XI CONGRESO ARGENTINO PARA ENFERMEROS EN NEFROLOGIA. Held in Buenos Aires, Argentina, September 11-14, 2013. Invited to present for the Interventional Nephrology session.
- 3) Al-Ain Hospital, Al-Ain, United Arab Emirates, Lecture "Cardiovascular Implantable Electronic Device Leads, How problematic are they in hemodialysis patients?" December 2011.
- 4) Syrian American Medical Society meeting, July 2010. Syria, Damascus. Invited lecturer topic: "Secondary Hypertension: The under diagnosed entity".
- 5) Syrian American Medical Society meeting, July 2009. Syria, Lattakia. Invited lecturer topic: "Hypertension Compelling indications".

• **Invited National Lectures:**

National Kidney foundation meeting (04/2017), American Society of Diagnostic and Interventional Nephrology meeting (02/2017), American Society of Diagnostic and Interventional Nephrology meeting (02/2009), National Kidney Foundation meeting (04/2009), American Society of Nephrology meeting (10/2009), American Society of Diagnostic and Interventional Nephrology meeting (02/2010), National Kidney Foundation meeting (04/2010), American Society of Nephrology meeting (10/2010), American Society of Diagnostic and Interventional Nephrology meeting (02/2011), National Kidney Foundation meeting (04/2011), American Society of Artificial Internal Organs (06/2011), American Society of Nephrology (11/2011), American Society of Diagnostic and Interventional Nephrology meeting (02/2012), National Kidney Foundation National Meeting (05/2012), American Society of Nephrology (11/2012), American Society of Diagnostic and Interventional Nephrology meeting (02/2013).

• **Invited National Lectures: Interventional nephrology workshop:**

Instructor, hands-on workshop on physical examination and endovascular procedures, "Interventional Nephrology for General Nephrologists" course in the following Scientific Meetings:

American Society of Nephrology meeting (11/2008), American Society of Diagnostic and Interventional Nephrology meeting (02/2009), National Kidney Foundation meeting (04/2009), American Society of Nephrology meeting (10/2009), American Society of Diagnostic and Interventional Nephrology meeting (02/2010), National Kidney Foundation meeting (04/2010), American Society of Diagnostic and Interventional Nephrology meeting (02/2009), National Kidney Foundation meeting (04/2011), American Society of Artificial Internal Organs (06/2011), American Society of Nephrology (11/2011), National Kidney Foundation National Meeting (05/2012), American Society of Nephrology (11/2012).

VI. TEACHING

27. Teaching awards:

- Attending of the Year 2016-2017 - voted by nephrology fellows, Albany Medical College, Albany, NY.
- 2017 Syed S. Haqqie teaching attending award - voted by nephrology fellows, Albany Medical College, Albany, NY.

28. Teaching Specialization:

- Teaching nephrology fellows at the University of Miami clinical nephrology and hypertension during different clinical rotations.
- Training and certification (using the American Society of Diagnostic and Interventional Nephrology recommendations) of the second year fellows and the junior faculty members committed to learn and perform interventional nephrology procedures.
- Teaching and training of outside nephrologists in the area of interventional nephrology.
- Teaching and hands-on demonstration at the national scientific meetings to teach the nephrologists the preliminary and basic techniques of interventional nephrology. I teach regularly at the American Society of Nephrology, American Society of Diagnostic and Interventional Nephrology and National Kidney Foundation annual meetings.
- Teaching and training nephrology nurses and developing their skills in the area of interventional nephrology.
- Teaching a full scale training course in endovascular procedures for dialysis access. The course is offered to nephrologists and nephrology fellows from other

centers. Our own fellows are also enrolled in the course. This program provides hand-on training in procedures including percutaneous balloon angioplasty, intravascular stent insertion, intravascular coil placement, Thrombectomy procedures for arteriovenous dialysis access. Vascular mapping using angiography and ultrasound are also taught. Peritoneal catheter insertion and removal. In addition, to technical skills didactic session cover the entire area of dialysis vascular access.

- Teaching residents and medical students on medical team.
- Interactive teaching sessions with fellows to mentor, guide and assist with their scholarly activities.
- Teaching second and third medical students on various nephrology topics “kidney stone, glomerular disease, hypertension, chronic kidney disease, and other topics” at a special didactic group sessions at the University of Miami Medical campus in 2007, 2008, 2009, 2010, 2011, & 2012.

VII. SERVICE

29. Committee and Administrative Responsibilities:

- Chief, Division of Nephrology and Hypertension, 09/01/2016 - Present
Division of Nephrology, Hypertension and Interventional Nephrology
Albany Medical College, Albany, New York.
- Program Director, Nephrology fellowship, 09/01/2016 - Present
Division of Nephrology, Hypertension and Interventional Nephrology
Albany Medical College, Albany, New York.
- Chief, Interventional Nephrology, 01/01/2012 – 08/31/2016
Division of Nephrology, Hypertension and Interventional Nephrology
University of Miami Miller School of Medicine, Miami, Florida.
- Associate Program Director, 01/01/2012 – 12/31/2014
Division of Nephrology, Hypertension and Interventional Nephrology
University of Miami Miller School of Medicine, Miami, Florida.
- Established Interventional Nephrology Self-Assessment program (IN-SAP) for the American Society of Diagnostic and Interventional Nephrology Society (ASDIN). This is a CME educational activity that is posted on ASDIN website with regular periodic new subject materials to match the progress in the field. This program started in 2013.

30. Community activities:

- Voluntary work: Teaching various medical facts about Coronary Artery Disease (CAD), signs of heart attack, and about Hypertension in several public events in Cordele, Georgia and Vienna, Georgia.
- Voluntary work: Teaching various medical facts about Preventive Medicine and Gastroesophageal Reflux Disease (GERD) in several public events in Cordele, Georgia and Vienna, Georgia.
- Voluntary work: Teaching physiology of the transport of electrolytes and water across renal tubules and counter-current mechanism to high school students during their biology class, Coral Reef High School, Miami, FL.
- Voluntary work: Teaching the various effects of Tobacco on personal and public health and discussed methods to quit smoking in several public events in Miami, Florida and Boca Raton, Florida.
- Voluntary work: Teaching the various medical facts about Hypertension and the importance of early diagnosis in several public events in Miami, Florida and Boca Raton, Florida.
- Voluntary work: Teaching various medical facts of Osteoporosis and the importance of early diagnosis in several public events in Miami, Florida and Boca Raton, Florida.