**Neil Selwyn Harris.-Updated 8-8-23**

**Current position,** **Jan 1 2002 → Present:** Clinical Professor, Department of Pathology, Immunology and Laboratory Medicine, Shand’s Hospital, University of Florida, Gainesville.

**Address:**

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University of Florida College of Medicine,
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**Florida Medical License Number**: **ME 84914**

**Professional Organizations**

* Association for Diagnostics and Laboratory Medicine (ADLM), formerly AACC
* American Society of Hematology (ASH)
* College of American Pathologists (CAP)
* Member of CAP Hemostasis and Thrombosis Committee
* Treasurer and founding member of AACC Hematology/Coagulation Division

**EMPLOYMENT**

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| **Institution** | **Position** | **Dates** |
| University of Florida | Clinical Professor, non-tenure-accruing  | July 2018- Present |
| University of Florida | Clinical Associate Professor, non-tenure-accruing  | July 2009- June 2018 |
| University of Florida | Clinical Assistant Professor, non-tenure-accruing | January 2002-June 2009 |
| University of Vermont | Resident in Pathology (AP/CP) | June 1998 to December 2001 |
| Boston University Medical Center | Research Associate -Whitaker Cardiovascular Institute, Boston University School of Medicine, Boston MA | 1997-1998 |
| Children’s Hospital Boston, MA | Clinical Chemistry Fellow | 1994-1996 |
| Children’s Hospital Boston, MA | Research Fellow, Hematology-Oncology | 1990-1994 |
| University of Cape Town, South Africa | Medical Officer in the Department of Clinical Science and Immunology in the Division of Pathology | 1988-1989 |
| University of Cape Town, South Africa | Resident. Department of Chemical Pathology in the Division of Pathology | 1985-1988 |
| University of Cape Town, South Africa | Resident. Department of Clinical Science and Immunology in the Division of Pathology | 1981-1984 |

**Licensure and Certification:**

2002 Certified in Combined Anatomic and Clinical Pathology (American Board of Pathology)

2002 Florida Medical License (ME 84914)

1997 Certified by Educational Commission for Foreign Medical Graduates (ECFMG)

1996 Clinical Chemistry (American Board of Clinical Chemistry (ABCC).

1990 Chemical Pathology (South African Medical Council).

1981 Medical Practitioner (South African Medical Council).

**Undergraduate Education**

 1979 Bachelor of Medicine & Surgery (**M.B.Ch.B**.) University of Cape Town, South Africa

 1975 Bachelor of Science (Medicine) ( **B.Sc.Med**) University of Cape Town, South Africa

**Postgraduate Education**

**Internship**: 1980: Departments of Medicine and Surgery. Groote Schuur Hospital, Cape Town, South Africa

**Registrar Training (South Africa):**

1981-1984: Department of Clinical Science and Immunology in the Division of Pathology; Groote Schuur Hospital, Cape Town, South Africa (University of Cape Town)

1985-1988: Department of Chemical Pathology in the Division of Pathology; Groote Schuur Hospital, Cape Town, South Africa (University of Cape Town)

1988 Doctor of Medicine (M.D.) Thesis title - " Characterization of a polypeptide factor that inhibits the growth of a human breast cancer line *in vitro.*"

**Fellowships**

1990-1994: Research Fellow , Division of Hematology/Oncology, the Children's Hospital, Boston MA. (1990 - 1991 funded by South African MRC post-doctoral scholarship.)

1994-1996: Clinical Chemistry Fellow in the Department of Laboratory Medicine, The Children's Hospital, Boston MA.

1997-1998: Research Associate for the Whitaker Cardiovascular Institute, Boston University School of Medicine.

**USA Residency Training and Credentialing in Pathology**

1998-2001: Department of Pathology, Fletcher Allen Health Care, Burlington, VT (University of Vermont)

**US Educational Equivalent Degree:**  M.D., Ph.D.

Credentials assessed by ECE, Inc., P.O. Box 92970, Milwaukee, Wisconsin 53202-0970. Phone (414) 289-3400.

**Clinical and other Applied Interests:** Clinical Biochemistry and Hematology Including coagulation disorders and hemoglobinopathies.

**Awards:**

1. Peter A. Drew Award for Humanity in Pathology, 2023
2. William H. Donnelly Outstanding Educator Award. University of Florida College of Medicine, Department of Pathology 2014-2015
3. Faculty Recognition Award from Pathology Residents (for teaching) , University of Florida College of Medicine, Department of Pathology 2011
4. Faculty Recognition Award from Pathology Residents (for teaching) , University of Florida College of Medicine, Department of Pathology 2004
5. Junior Investigator Award, UCT Medical School, Division of Pathology, 1982
6. Ebrahim Haematology Medal, UCT Medical School, 1979.

**Research Laboratory Experience:**

1997-1998 Whitaker Cardiovascular Institute, Boston University School of Medicine

1994-1996 Department of Laboratory Medicine, The Children's Hospital, Boston.

1990-1994 Hematology-Oncology, The Children's Hospital, Boston.

1988-1990 Department of Clinical Science and Immunology. University of Cape Town, South Africa.

1985-1988 Department of Chemical Pathology and MRC Regulatory Peptides Research Unit. University of Cape Town, South Africa.

1981-1984 Department of Clinical Science and Immunology University of Cape Town, South Africa.

1976 (2 Months) Tumour Immunology Unit, University College London. (Elective student, under Prof. N.A. Mitchison).

**Teaching Experience:**

Undergraduate and Post-graduate lectures or tutorials**:**

1. 2002-Present. Pathology Residents. University of Florida College of Medicine, Department of Pathology, Immunology and Laboratory Medicine.
2. 2012-Present. Hematology/Oncology Fellows. Division of Hematology-Oncology, Department of Medicine. Tutorials
3. 2006-Present. Dental Students. University of Florida College of Dentistry. Hematology Block.
4. 2002-Present. Medical Student lectures and laboratory sessions, University of Florida College of Medicine. Current schedule includes Gastrointestinal, Hematology, Foundations of Medicine, Pathology electives
5. 2002 → January 2012. Medical Student Case Study. University of Florida College of Medicine, Department of Pathology, Immunology and Laboratory Medicine
6. 2001 Laboratory Medicine, University of Vermont College of Medicine. Approximately 70 medical students. One lecture (1-2 hours).
7. 1997 Case presentations to Medical Students, Boston University School of Medicine. 6 medical students. 12 hours a year.
8. 1997 Medical Terminology Boston University. 6 undergraduates. 30 hours a year.
9. 1997 Anatomy & Physiology Newbury College, Department of Continuing Education, Boston MA. 13 undergraduates. 40 hours a year.
10. 1995-1996 Pharmacology Harvard Medical School. Tutor. 8 first year medical students. 14 hours a year.
11. 1989-1990 Immunology University of Cape Town. Lecturer. 2-4 science graduate students. 6 hours a year.
12. Immunology University of Cape Town. Lecturer. 140 medical students. 4 hours a year.
13. Chemical Pathology Cape Technicon (Technical College). Lecturer. 100 medical technologists. 4 hours a year.
14. 1986-1988 Biochemistry University of Cape Town. Lecturer. 15 science graduate students BSc (Hons). 2 hours a year.
15. 1985-1988 Chemical Pathology University of Cape Town, Tutor. 30 medical students. 25 hours a year.
16. 1981-1984 Immunology University of Cape Town. Lecturer. 5 science undergraduate students. 15-20 hours a year.

Advising responsibilities:

2002- present: Pathology Residents, University of Florida

1994: 1 undergraduate student (research project).

1990: 1 graduate student (research project).

1988-1990: 10 Medical technologists in a routine diagnostic Laboratory.

**PUBLICATIONS**

Senior/principal author(s) = Underline.

Self = bold

Fellow = f

Graduate Student = g

Other = &

Post-Doctoral Associate/Fellow = p

Resident = r

**Books, Co-authored**

1. **Harris NS**&, Bazydlo LA& and Winter WE&. *Quick Guide to Endocrinology*. AACC Press 1850 K Street, NW, Suite 625 Washington, DC 20006. 2013
2. **Harris NS**& and Winter WE&. *Multiple Myeloma and related Serum Protein Disorders – An Electrophoretic Guide.* Demos Medical Publishers, New York. Published 03/2012 168 pp Hardback ISBN13 9781933864754

**Books, Contributor of Chapter(s)**

1. **Harris NS**&and Winter WE&. Hemostasis: The view from the Clinical Chemistry Laboratory.Chapter 24 pp 323-342. IN: *Contemporary Practice in Clinical Chemistry, 3rd Edition* (2016). Clarke,W (Editor). (AACC Press, Washington DC)
2. Winter WE&, **Harris NS**&, Merkel KL, Collinsworth AL, Clapp WL. Organ-Specific Autoimmune Diseases. In: Henry’s Clinical Diagnosis and Management by Laboratory Methods; 23rd edition; Richard A. McPherson and Matthew R. Pincus (Eds). Elsevier Inc. (St. Louis, Missouri), 2017; pp: 1032-56.
3. Winter WE&, Beal SG&, **Harris N**&. Point-of-Care Testing. Chapter 31 pp 360-368. In: Layon AJ, Gabrielli A, Yu M, Wood KE eds. Civetta, Taylor, & Kirby’s Critical Care. 5th Edition. 2018 Philadelphia: Wolters Kluwer.
4. **Harris NS**& and Winter WE&. *Hemoglobinopathies: Biochemical Disorders of Hemoglobin*. Chapter 20, pp 249-263. Harris NS, Winter WE and Ledford-Kraemer MR. *Hemostasis: A Review & Methods of Assessment in the Clinical Laboratory*. Chapter 21, pp 265-283. IN: *Contemporary Practice in Clinical Chemistry 2nd Edition*, Clarke, W. 2011 (AACC Press, Washington DC)
5. DePalma L&, **Harris NS**& and Dayton V&. *Coagulation Testing*. Section IVB, pp 315-328.. *In* *Self-Assessment in Clinical Laboratory Science II*, Alan H. B. Wu, 2008 (AACC Press, Washington DC)
6. **Harris N**S&, Dayton V&, Perkins S& and Nambiar A&. *Hematology, Hemoglobinopathies, and Blood bank/Transfusion Medicine*. Section IVC, pp 329-363.*In* *Self-Assessment in Clinical Laboratory Science II*, Alan H. B. Wu, 2008 (AACC Press, Washington DC)
7. Winter WE& and **Harris NS**&. *Laboratory Approaches to Diseases of the Adrenal Cortex and Adrenal Medulla*. Chapter 4, pp 75-137. *In* *Handbook of Diagnostic Endocrinology* 2nd edition, Winter, WE, Sokoll LJ and Jialal, I. 2008 (AACC Press, Washington DC).
8. Winter WE& and **Harris NS**&. *Laboratory Evaluation of Endocrine Hypertension*. Chapter 6, pp 175-210. *In* *Handbook of Diagnostic Endocrinology* 2nd edition, Winter, WE, Sokoll LJ and Jialal, I. 2008 (AACC Press, Washington DC)
9. Winter WE& and **Harris NS**&. *Evaluation of Hyperglycemia.* Chapter 9, pp 265-294. *In* *Handbook of Diagnostic Endocrinology* 2nd edition, Winter, WE, Sokoll LJ and Jialal, I. 2008 (AACC Press, Washington DC)
10. Winter WE& and **Harris NS**& *Evaluation of Hypoglycemia*. Chapter 10, pp 294-321. *In* *Handbook of Diagnostic Endocrinology* 2nd edition, Winter, WE, Sokoll LJ and Jialal, I. 2008 (AACC Press, Washington DC)
11. **Harris NS**& and Winter WE&. *Hemoglobinopathies - Biochemical Disorders Of Hemoglobin*. Chapter 18, pp 213-225. *Contemporary Practice in Clinical Chemistry*, Clarke, W. and Dufour, R.D. 2006 (AACC Press, Washington DC)
12. **Harris NS**&, Winter WE& and Ledford-Kraemer MR&. *Assessment Of Hemostasis In The Clinical Laboratory*. Chapter 19, pp 227-239. *Contemporary Practice in Clinical Chemistry*, Clarke, W. and Dufour, R.D. 2006 (AACC Press, Washington DC)
13. Winter WE& and **Harris NS**&. *Carbohydrate Disorders*. Chapter 25, pp 289-298. *Contemporary Practice in Clinical Chemistry*, Clarke, W. and Dufour, R.D. 2006 (AACC Press, Washington DC)
14. Winter WE& and **Harris NS**&. *Calcium Biology and Disorders*. Chapter 34, pp 387-398. *Contemporary Practice in Clinical Chemistry*, Clarke, W. and Dufour, R.D. 2006 (AACC Press, Washington DC)
15. **Harris, N**f. and Ezekowitz, R.A.B&. *The role of pattern recognition molecules in mammalian immunity. In Phylogenetic Perspectives in Immunity: The Insect Host Defense. Hofmann, J.A., Janeway, Jr., C.A., and Natori, S. (eds)*. R.G. Landes, Austin/Georgetown, Texas. pp 123-131 (1994).
16. **Harris, N.S**r., Wilcox, J.N&., Dutlow, C.M&., Flanagan, C.A&., Prescott, R.A&., Roberts, J.L. &, Eidne, K.A&., Millar, R.P&. *A putative autocrine role for GnRH in mammary carcinoma cell lines. Progress in Cancer Research and Therapy.* In Hormones and Cancer 3, vol 35, Bresciani, F., King, R.J.B., Lippman, M.E., Raynaud, J-P. (eds). Raven Press Ltd., New York pp 174-

**Refereed Journals:**

1. Herrera Rivera N, McClintock DS, Alterman MA, Alterman TAL, Pruitt HD, Olsen, GM, Harris NS, and Marin MJ. A clinical laboratorian’s journey in developing a machine learning

algorithm to assist in testing utilization and stewardship. J Lab Precis Med 2023;8:22 | <https://dx.doi.org/10.21037/jlpm-23-11>

1. Harris N, Marin M. Commentary on Delayed Diagnosis in a 61-Year-Old Hispanic Male with Ecchymoses, Soft Tissue Bleeding, and Edema. Clin Chem. 2023 Aug 2;69(8):807. doi: 10.1093/clinchem/hvad078. PMID: 37531561.
2. Marin MJ, Boothe PD, Harris NS. A Heuristic Microscopic Approach to Synovial Fluid Crystal Examination. Accepted 2/24/2023 and pending publication. Journal of Applied Laboratory Medicine. Reflections: Technical Tip. DOI: 10.1093/jalm/jfad011
3. Marin MJ, Mathew CM, Rajasekhar A, Zumberg M, Euliano TY, Winter WE, Pelletier JPR, Pruitt HD, Harris NS. Dysfibrinogenemia: discrepant results following infusion of purified fibrinogen. Blood Coagul Fibrinolysis. 2023 Jul 1;34(5):337-344. doi: 10.1097/MBC.0000000000001237. Epub 2023 Jun 19. PMID: 37395199.
4. Harris NS, Marin MJ, Winter WE. What Is the True HbA1c? A HbA1C Peak in the Absence of HbA in an Adult Patient without Sickle Cell Disease. J Appl Lab Med. 2022 Dec 10:jfac125. doi: 10.1093/jalm/jfac125. Epub ahead of print. PMID: 36495140
5. Winter WE, Pittman DL, Harris NS. Hematology and coagulation preanalytics for clinical chemists: Factors intrinsic to the sample and extrinsic to the patient. Clin Biochem. 2022 Dec 7:S0009-9120(22)00262-4. doi: 10.1016/j.clinbiochem.2022.11.012. Epub ahead of print. PMID: 36493884.
6. Fortier JC, Pang SS, Amofa-Ho S, Harris NS, Zumberg M. A Case of Acquired Hemophilia A and Congenital Hemophilia B. Cureus. 2022 Oct 15;14(10):e30324. doi: 10.7759/cureus.30324. PMID: 36407152

1. Marin MJ, Harris N, Winter W, Zumberg MS. A Rational Approach to Coagulation Testing. Lab Med. 2022 Jul 4;53(4):349-359. doi: 10.1093/labmed/lmac005. Erratum in: Lab Med. 2022 May 11;: PMID: 35285898.
2. Fanelli SJ, Elzeneini M, Meece LE, Mahmoud A, Jeng EI, Harris N, Ahmed MM. Fixed-dose aspirin monotherapy compared with thromboelastography directed antiplatelet therapy in long-term management of left ventricular assist devices. J Card Surg. 2022 Sep;37(9):2621-2628. doi: 10.1111/jocs.16637. Epub 2022 May 24. PMID: 35610463
3. Salazar E, Long TA, Smock KJ, Wool GD, Rollins-Raval M, Chen D, Harris NS, Chan CW, Olson, JD, Pham HP, Ritter J, Unold D, VanSandt AM and Goodwin AJ. Analysis of College of American Pathologists von Willebrand Factor Proficiency Testing Program. Semin Thromb Hemost. 2022 Sep 2. doi: 10.1055/s-0042-1749591. Epub ahead of print. PMID: 36055272
4. Marin MJ, Schwietert MM, Winter WE, Beal SG, and Harris NS. Sweet Sphere of Influence. What’s Your Guess? (Case Presentation). *Clin Chem*. 2022 68 (5):736-737 <https://doi.org/10.1093/clinchem/hvab224>
5. Marin MJ, Harris N, Winter W, Zumberg MS. A Rational Approach to Coagulation Testing. Lab Med. 2022 Jul 4;53(4):349-359. doi: 10.1093/labmed/lmac005. Erratum in: Lab Med. 2022 May 11;: PMID: 35285898.
6. Harris NS, Pelletier JP, Marin MJ, Winter WE. Von Willebrand factor and disease: a review for laboratory professionals. Crit Rev Clin Lab Sci. 2021 Dec 28:1-16. doi: 10.1080/10408363.2021.2014781. Online ahead of print. PMID: 34962443
7. Volod O, Rollins-Raval M, Goodwin AJ, Higgins RA, Long T, Chandler WL, Harris NS, Pham HP, Isom JA, Moser K, Olson JD, Smock KJ, VanSandt A, Wool G, Chen D. Interlaboratory Performance in Measurement of Dabigatran and Rivaroxaban. Arch Pathol Lab Med. 2022 Jan 2;146(2):145-153. doi: 10.5858/arpa.2020-0633-CP. PMID: 34133726
8. Rajasekhar A, Arnaoutakis GJ, Janelle GM, Harris N, Wynn T, Anderson RD, Ashton JN, Mandernach MW. Multidisciplinary Management of a Hemophilia A Patient Requiring Coronary Artery Bypass Graft Surgery. J Cardiothorac Vasc Anesth. 2022 Feb;36(2):534-538. doi: 10.1053/j.jvca.2021.10.029. Epub 2021 Oct 24. PMID: 34895963
9. Harris NS, Kavesh M, Beal SG, Winter WE, Chui DHK. When Hemoglobin Reported to Be A, S, and F Are Neither A, S, Nor F: A Tale of Two Patients. J Appl Lab Med. 2021 Mar 1;6(2):543-549.
10. Harris NS, Weaver KD, Beal SG, Winter WE. The Interaction between Hb A1C and Selected Genetic Factors in the African American Population in the USA. J Appl Lab Med. 2021 Jan 12;6(1):167-179.
11. Moser KA, Pearson LN, Pelt CE, Olson JD, Goodwin AJ, Isom JA, Harris NS, Pham HP, Smock KJ, Unold D, VanSandt AM, Volod O, Chen D. Letter to the Editor on "The 2018 Definition of Periprosthetic Hip and Knee Infection: An Evidence-Based and Validated Criteria". J Arthroplasty. 2020 Sep;35(9):2682-2683.
12. Beal SG, Winchester DE, Wilkerson G, Harris N and Allen B. Comparison of patient results on a new high-sensitivity troponin I assay with a conventional assay, focusing on clinically relevant cut points. The Journal of Applied Laboratory Medicine. J Appl Lab Med. 2020;5(3):597-599.
13. Winter WE, Greene DN, Beal SG, Isom JA, Manning H, Wilkerson G, Harris N. Clotting factors: Clinical biochemistry and their roles as plasma enzymes. Adv Clin Chem. 2020;94:31-84
14. Corliss BM, Freedman R, Brennan MM, Smith J, Nerva J, Harris NS, Polifka AJ, Hoh BL, Fox WC Laboratory assessments of therapeutic platelet inhibition in endovascular neurosurgery: Complication prediction using the VerifyNow™ P2Y12 assay and thromboelastography with platelet mapping. J Neurosurg J Neurosurg. 2020 Feb 21:1-9
15. Kim JT, Winter WE, Luo HY, Chui DHK, Harris NS. Interference of Hemoglobin A(1c) Due to Hemoglobin Franklin Park. J Appl Lab Med. 2019 Mar;3(5):911-913.
16. Kim JT, Harris NS. Utilization Review of Paraneoplastic Neurological Syndrome Antibody Screening Panels: Experience at a Tertiary Academic Health Center. J Appl Lab Med. 2019 Jul;4(1):19-29.
17. Corliss BM, Polifka AJ, Harris NS, Hoh BL, Fox WC. Laboratory assessments of therapeutic platelet inhibition in endovascular neurosurgery: comparing results of the VerifyNow P2Y12 assay to thromboelastography with platelet mapping. J Neurosurg. 2018 Nov 1;129(5):1160-1165.
18. Unnikrishnan A, Pelletier JPR, Bari S, Zumberg M, Shahmohamadi A, Spiess BD, Michael MJ, Harris N, Harrell D, Mandernach MW. Anti-N and anti-Do(a) immunoglobulin G alloantibody-mediated delayed hemolytic transfusion reaction with hyperhemolysis in sickle cell disease treated with eculizumab and HBOC-201: case report and review of the literature. Transfusion. 2019 Jun;59(6):1907-1910..
19. Bejjanki H, Mramba LK, Beal SG, Radhakrishnan N, Bishnoi R, Shah C, Agrawal N, Harris N, Leverence R, Rand K. The role of a best practice alert in the electronic medical record in reducing repetitive lab tests. *ClinicoEconomics and Outcomes Research*. 2018 Oct 8;10:611-618. doi: 10.2147/CEOR.S167499. eCollection 2018. PubMed PMID: 30323637; PubMed Central PMCID: PMC6181108
20. Winter WE, Flax SD, Harris NS. Coagulation Testing in the Core Laboratory. Lab Med. 2017 Nov 8;48(4):295-313
21. Beal SG, Tremblay E, Harris N and Rand K. Removing CSF antibody orders from the test menu results in dramatic decrease in order volume. *Journal of Applied Laboratory Medicine*. 2017; 2 (1): 47-54
22. Merrill AEf.Khan J&, Dickerson JA&, Holmes DT&, Harris NS, Greene DN&. Method-to-method variability in urine albumin measurements. Clin Chim Acta. 2016;460:114-9
23. Ranjitkar Pf, Turtle CJ&, Harris NS&, Holmes DT&, Pyle-Eilola A&, Maloney DG&, Greene DN&. Susceptibility of commonly used ferritin assays to the classic hook effect. *Clin Chem Lab Med*. 2016 Feb 1;54(2932): e41-3
24. Duque MAf, Kresak JL&, Falchook A&and Harris NS&. Nitrous Oxide Abuse and Vitamin B12 Action in a 20-Year-Old Woman: A Case Report. *Lab Med*. 2015 Fall;46(4):312-5
25. Katragadda Lf, Murphy MCf, Harris NS&, Wilkerson G&, Bazydlo LA&, Zumberg MS&. Steps to diagnosis of a case of surreptitious intake of one of the newer direct oral anticoagulants: a case report and literature review. *Blood Coagul Fibrinolysis*. 2015 Jul;26(5):574-6.
26. Harris NS&, Beal SG& and Winter WE&. Commentary on A Mother and Newborn with Brown Blood: A Case of Mistaken Identity. *Clin Chem*. 2015 61(3):470
27. Winter WE&, Bazydlo LAL& and Harris NS&. The Molecular Biology of Human Iron Metabolism. *Lab Med* Spring 2014;45:92-102
28. Edward HLf , Du Pisani LA& , Rodriguez-Romero WE&, Chaves-Villalobos J& , Garcia-Quesada J&, Harris NS& , Luo H&, Steinberg MH& , Forget BG&, Chui DHK&. Hemoglobin Youngstown [β 101(G3) Glu>Ala, HBB:c.305A>C]: An unstable variant hemoglobin causing severe hemolytic anemia. *Hemoglobin* 2014;38(6):381-4
29. Nair Sf, Eldjerou LK&, Harris NS&, Dunbar LN&. Rare form of autosomal dominant thalassemia-Hemoglobin Hakkari. *Pediatr Blood Cancer*. 2014 Nov;61(11):2118-20
30. Winter WE&, Bazydlo LA&, Harris NS&. Commentary. Severe hypophosphatemia in a 79-year-old man. Clin Chem. 2014 Jul;60(7):932
31. Harris NS&, Bazydlo LA&, Winter WE&. Commentary. A 70-year-old man with blue skin. *Clin Chem*. 2014 Apr;60(4):599
32. Montalescot G&, Harris NS&, Kristensen SR&, Price MJ&, Karon BS&. Novel uses for platelet function testing in the clinical laboratory: where are we now? *Clin Chem*. 2014 Mar;60(3):441-5.
33. Carswell KN&, Bibars Wr, Mir S&, Harris N& and Lossius MN&. A Four year old Female with Gastroenteritis, Anemia, Thrombocytopenia and Hematuria. *Clin Chem –*2013; 59(9):1306-1309
34. Le HT&, Harris NS&, Estilong AJ&, Olson A& and Rice MJ&. Blood glucose measurement in the ICU: What is the best method? *J Diabetes Sci Technol.* 2013 Mar 1;7(2):489-99
35. Harris NS&, Bazydlo LA&, Winter WE&. Commentary. Persistent hemolysis in a patient with pancreatitis. *Clin Chem*. 2012 Jun;58(6):978.
36. Wu P&, Morey TE&, Harris NS&, Gravenstein N&, Rice MJ&. Intravenous fluids cause systemic bias in a conductivity-based point-of-care hematocrit meter. *Anesth Analg*. 2012 Feb;114(2):314-21. Epub 2011 Dec 9.
37. Guervil DJr, Rosenberg AF&, Winterstein AG& Harris NS&, Johns TE& and Zumberg MS&. 201*1* Activated Partial Thromboplastin Time Versus Antifactor Xa Heparin Assay in Monitoring Unfractionated Heparin by Continuous Intravenous Infusion. *Ann Pharmacother* 45(7-8):861-8. Epub 2011 Jun 28
38. Rosenberg AF&, Zumberg, M&, Taylor L&, LeClaire A& and Harris N&. The Use of Anti-Xa Assay to Monitor Intravenous Unfractionated Heparin Therapy. *Journal of Pharmacy Practice* *OnlineFirst*, published on May 6, 2010 as doi:10.1177/0897190010362172
39. Hortin GL&, Harris NS&, Winter WE&. Commentary. Severe hyponatremia with high urine sodium and osmolality. Clin Chem. 2009 Nov;55(11):1908-9
40. Redman Rf, Shunkwiler SM&, Harris NS&, Kedar A& and Clapp WL&. Sebastian Syndrome with Abnormal Platelet Response to Ristocetin. Laboratory Hematology 2008;14(3):19-23
41. Slayton WB&, Patel M&, Sola-Visner M&, Harris N&, Rivers Af, Montgomery RR&, and Friedman KD&. Type 2B von Willebrand disease associated with the release of platelet aggregates from megakaryocytes in the bone marrow. Journal of Pediatric Hematology/Oncology 2008, 30(9):708-11.
42. Harris N. &, Kunicka J& and Kratz A&. The ADVIA 2120 Hematology System: Flow Cytometry–Based Analysis of Blood and Body Fluids in the Routine Hematology Laboratory. Laboratory Hematology 2005, 11:47-61.
43. Harris N. &, Jou JM&, Devoto G& Lotz J&, Pappas J&, Wranovics D&, Wilkinson M, & Fletcher SR& and Kratz A&. Performance Evaluation of the ADVIA 2120 Hematology Analyzer: An International Multicenter Clinical Trial. Laboratory Hematology 2005, 11:62-70.
44. Winter, WE&, Harris N and Schatz D&. Type 1 Diabetes Islet Autoantibody Markers. Diabetes Technology & Therapeutics 2002, 4 817-839
45. Ticho BS&. Neufeld EJ&. Newburger JW&. Harris N. Baker A&. Rifai N&. Utility of direct measurement of low-density lipoprotein cholesterol in dyslipidemic pediatric patients. Archives of Pediatrics & Adolescent Medicine. 1998, 152 787-791
46. Harris N&, Galpchian V&, Thomas J&, Iannotti Ef, Law T& and Rifai N& Performance of three generations of high density lipoprotein cholesterol assays compared to the ultracentrifugation/dextran sulfate-Mg2+ method. Clin. Chem. 1997; 43: 816-823
47. Harris, N. f, Neufeld E.J&., Newberger J.W&., Ticho, B&., Baker, A&., Ginsburg, G. &, Rimm, E. & and Rifai, N. Analytical performance and clinical utility of the direct LDL cholesterol assay in a hyperlipidemic pediatric population. Clin. Chem. 1996; 42: 1182-1188.
48. Harris, N. f, Galpchian, V&. and Rifai, N&. A comparison between three routine methods for the measurement of HDL cholesterol and the reference method. Clin. Chem. 1996; 42: 738-743.
49. Rifai, N&., Sakamoto, M&., Law, T&., Galpchian, V&., Harris, N. f, and Colin, A.A&. Use of a rapid HPLC assay for the determination of pharmacokinetic parameters of ibuprofen in patients with cystic fibrosis. Clin. Chem. 1996; 42: 1812-1816.
50. Harris, N. f, Chmil, M.E&., Law, T&., and Rifai, N&. Evaluation of the APEC analyzer for whole blood glucose; Testing in a pediatric setting. Am. J. Clin. Path. 1995; 104: 477-479.
51. Harris, N. f, Peters, L.L&., Eicher, E.M&., Rits, M&., Raspberry, D&., Eichbaum, Q.Gf., Super, Mf, and Ezekowitz, R.A.B&. The exon-intron structure and chromosomal localization of the mouse macrophage mannose receptor gene *Mrc1*. Identification of a Ricin-like domain at the N-terminus of the receptor. Biochem. and Biophys. Res. Comm. 1994; 198: 682-692.
52. Harris, N. f, Super, Mf., Rits, M&., Chang, G&., Ezekowitz, R.A.B&. Characterization of the murine macrophage mannose receptor: Demonstration that the downregulation of receptor expression mediated by interferon-gamma occurs at the level of transcription. Blood 1992; 80: 2363-2373.
53. Stein, Mf., Keshav, S&., Harris, Nf., Gordon, S&. Interleukin 4 potently enhances murine macrophage mannose receptor activity: A marker of alternative immunologic macrophage activation. J. Exp. Med. 1992; 176: 287-292.
54. Laubscher, T. Af., Harris, NR., Chalton, D.O&. The mitogenic effects of sera from psoriatic subjects on normal dermal fibroblasts: an absence of correlation with the clinical activity of psoriasis. British Journal of Dermatology 1991; 124: 163-167.
55. Harris, NR., Dutlow, C&., Eidne, K&., Dong, K-W&., Roberts, J&., Millar, R&. Gonadotropin-releasing hormone gene expression in MDA-MB-231 and ZR-75-1 breast carcinoma cell lines. Cancer Research 1991; 51: 2577-2581.
56. Cooper, D.K.C&., Harris, N.SR., Rose, A.G&, Novitsky, D&. Accelerated cardiac allograft rejection associated with administration of liver cell extract in the baboon. Transplantation Proceedings 1990; 22: 1966-1969.
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**Non-refereed Publications**

1. **Harris N**S& and Winter WE&. Hemoglobinopathies and Thalassemias. Essentials for Clinical Consultation and Interpretation. Clinical Laboratory News. May 2015: 17 -22
2. **Harris NS**, & Bazydlo LA&, Winter WE&. Coagulation Tests**-***A Primer on Hemostasis for Clinical Chemists*. *Clinical laboratory News* 2012, 38, (1): 8 -10.
3. **Harris NS**, & Winter WE&. The International Normalized Ratio A Tool for Monitoring Warfarin Therapy. *Clinical laboratory News* 2010, 36, (11): 8 -10
4. Winter, WE&, **Harris NS**. & MCT8 mutations cause defective cellular uptake of thyroid hormones. Advance/Laboratory. 2008, 17(6): 46-50
5. Winter, WE&, **Harris NS**. & The metabolic syndrome debate. Advance/Laboratory. 2008 17(3):16-18 (part 1); 17(4):14-16 (part 2).
6. Winter, WE&, **Harris NS**. & Anti-coagulant monitoring in the core lab. Advance/Laboratory. 2008 17(3):54-61.
7. Winter WE&, **Harris NS**. & Coagulation basics for Clinical Chemists. Advance/Laboratory. 2006, 15(10):54-60
8. **Harris NS**& and Winter WE&. The Chemical Pathology of Insulin Resistance and the Metabolic Syndrome. Medical Laboratory Observer 2004, 36(10): 20-25
9. Winter, WE& and **Harris NS.**& Perspectives in Pathology: Tumor Markers in Thyroid Cancer, Parts 1-3. Advance/Laboratory 2004-2005. 13(11):18, 14(1): 18, 14(2): 18
10. Winter, W.E. &, **Harris, N.S**.& Bone markers in osteoporosis. Advance/Laboratory 2003, 12(7):42-52.
11. Winter, W.E. & and **Harris, N.S**&. Self-monitoring of blood glucose: needless expense or a vital glycemic monitor? Point of Care 2003, 2:62-68.
12. Winter, WE&, **Harris N**& and Schatz D&. Immunological Markers in the Diagnosis and Prediction of Autoimmune Type 1a Diabetes. Clinical Diabetes 2002, 20: 183-191.
13. **Harris, N**r. Growth factors and breast cancer. South African J. of Continuing Medical Education. 1988; 6: 77.

**ABSTRACTS**

1. Haemoglobin Raleigh Heterozygosity: A challenge for determining glycaemic control”. Neil S. Harris, William E. Winter, Hong-yuan Luo and David H.K. Chui. Presented at ***Focus 2019***, the Annual Meeting of the Association for Clinical Biochemistry (ACB), Glasgow, Scotland, UK
2. Corliss BMf, Polifka AJ&, **Harris NS**&, Hoh BL& and Fox WC&. Laboratory assessments of therapeutic platelet inhibition in endovascular neurosurgery: Comparing results of the VerifyNow® P2Y12 assay to platelet mapping thromboelastography. *Joint American Association of Neurosurgery/Congress of Neurosurgeons Cerebrovascular Section*, Houston TX February 2017
3. Kim JTr, Luo H-Y&, Chui DHK& and **Harris NS**&. Benign hemoglobin variants that interfere with Hb A1c determination in the clinical laboratory: Electrophoretic Patterns, HPLC Analysis and Globin Gene Sequencing. LCME & KSLM. Laboratory Medicine and Congress Exhibition. 57th Annual Meeting. Seoul, South Korea. Oct 26-28, 2016
4. Kim JTr, and **Harris NS**&. Diagnostic Utility of Paraneoplastic Neurologic Syndrome Panel Testing At A Large Academic Health Center. LCME & KSLM. Laboratory Medicine and Congress Exhibition. 57th Annual Meeting. Seoul, South Korea. Oct 26-28, 2016
5. O’Connor WGr, Chui DHK& and **Harris NS**&. The Serendipitous Band: Compound Heterozygosity of Sickle Cell and Korle-Bu Hemoglobin Variant. ASCP Meeting, Long Beach CA 2015
6. **Harris NS**&, Valadier J&, Testa S& International study to assess the performances of a new liquid assay for determination of Fibrinogen. ABSTRACT (Poster Presentation) ISTH 2015, Toronto Canada
7. Ross EA&, **Harris NS**&, Wen X&, Nelsen CD& and Su L-M&. Serum & urine NGAL after partial nephrectomy: no greater renal injury after warm robotic versus cold open techniques. American Society of Nephrology, Kidney Week, November 2012.
8. Winter WE&, **Harris NS**& and Teimer T&. Do "dangerous" levels of hyperglycemia develop during 3-hour OGTTs when screening for diabetes in pregnancy? American Association for Clinical Chemistry (AACC). Atlanta 2011.
9. Cardona Dr, Reith JD&, Gibbs CP& and **Harris NS**&**.** Early Onset Cataracts, Bilateral Achilles Tendon Xanthomas and Neurologic Deficits in a 42 year-old Woman. College of American Pathologists (CAP), Annual Meeting, September 2007
10. Grier Dr, Lottenberg, R&, Cardona, DM&, Ostrov, DA&, Chui DHK&, **Harris, NS**&. Case Study: Hemoglobin Oleander combined with Sickle Hemoglobin. College of American Pathologists (CAP), Annual Meeting, September 2007
11. **Harris N**r, Dutlow C&,, Eidne K&, Wilcox J& and Millar RP&. Mechanisms of GNRH and GnRH analogue actions in neoplasia. 3rd International Congress on Hormones and Cancer. Hamburg, Federal Republic of Germany, September 1987
12. Eidne K A,& Flanagan C&, **Harris N**r, Prescott R& and Millar RP&. GnRH binding sites in human breast cancer cell lines: Inhibitory effects of GnRH antagonists. 26th Annual Pathology Congress, UCT, 1986 and 23rd SEMDSA meeting, Cape Town, October 1986
13. **Harris N**r, Eidne K&, Paul M& and Millar RP&. GnRH-like peptides in mammary carcinoma cell lines; Evidence for an autocrine regulatory role. 26th Annual Pathology Congress, UCT, 1986 and 23rd SEMDSA meeting, Cape Town, October 1986
14. Milton, R.C. de L&., **Harris, N**r., Adams, G&., Dowdle, E.B&. Characterization of a monoclonal antibody to the platelet IIb, IIIa glycoprotein.. 22nd Annual Congress of the South African Society of Pathologists, Stellenbosch, July 1982

**LECTURES, SPEECHES, POSTERS PRESENTED AT PROFESSIONAL CONFERENCES**

a) International

1. “Fibrinogen- the Entangled Knot of the Clot” Neil Harris, William E. Winter and Maximo J. Marin. Presented at AACC (now ADLM) Annual meeting in Anaheim, CA July 2023
2. Oxygenation Challenges: Red Blood, Brown Blood and Bitter Almonds - The pathophysiology of Carboxyhemoglobin, Methemoglobin, and Cyanide Poisoning. William E. Winter, Maximo J. Marin and Neil S. Harris. Presented at AACC Annual meeting in Chicago July 2022
3. “Utilization Review of Paraneoplastic Neurological Syndrome Antibody Screening Panels” Neil Harris and “Polycythemia and Oxygen Sensing” Neil Harris and William E. Winter. Presented at AACC Annual meeting in Atlanta October 2021
4. “The Prostate - Palpation, PSA, Positives and Positron Emission”; “Von Willebrand Disease: Diagnostic Dilemmas and Proposed Solutions” Neil Harris and William E. Winter.

Presented at AACC Annual Meeting, (Virtual, Online) December 2020.

1. “Hemostatic Disorders that Can Kill You, Part 2.” William E. Winter and Neil Harris. “Renal Tubular Disorders.” William E. Winter and Neil Harris. Presented at AACC Annual Meeting, Anaheim, CA, August 2019.
2. Hemostatic Disorders that Can Kill You”. Neil Harris and William E. Winter; “Coagulation Factor VIII—Evolution, Biosynthesis, Biology and Monitoring in the Clinical Laboratory”. Neil Harris. “Revving Up the Contact System: The Interface between Anaphylaxis, Complement Activation and Thrombosis”. Neil Harris Presented at American Association for Clinical Chemistry (AACC) Annual Meeting, Chicago IL August 2018
3. Antiplatelet Agents and Anticoagulants: Laboratory Monitoring. Harris NS, Laposata M and Mitsios J. Presented at American Association for Clinical Chemistry, AACC. August 2016. Philadelphia, PA [lecture]
4. Antiplatelet Agents and Anticoagulants: Laboratory Monitoring. Harris NS, Botz, C and Mitsios J, AACC/KSLM Select Session. October 2016. Seoul, South Korea [lecture]
5. Winter WE, Harris NS and Bazydlo LA *Iron Men and Iron Women - Recent Advances in Iron Overload States*. Presented at American Association for Clinical Chemistry, AACC. July 2014. Chicago, IL [lecture]
6. Winter WE and Harris NS. *Advanced Problem Solving In Coagulation – A Case-based Approach.* Presented at American Association for Clinical Chemistry, AACC. July 2014. Chicago, IL [lecture]
7. Winter WE, Harris NS and Bazydlo LA. *Anticoagulation: The role of the Clinical Laboratory in preventing & treating Venous Thrombosis.* Presented at American Association for Clinical Chemistry, AACC. July 2012. Los Angeles, CA [lecture]
8. Harris NS. Investigation of Abnormal Hemostasis-Related Laboratory Results. “Brown Bag” (Roundtable) Session. Presented at American Association for Clinical Chemistry, AACC. July 2011. Atlanta, GA [lecture]
9. Harris NS. The International Normalized Ratio: How Well Do We Understand This Measurement? “Brown Bag” (Roundtable) Session. Presented at American Association for Clinical Chemistry, AACC. July 2011. Atlanta, GA [lecture]
10. Molinaro, R, Winter WE and Harris NS. Metabolic Syndrome: Prevalence, Pathogenesis, and Clinical Laboratory Testing. Presented at American Association for Clinical Chemistry, AACC. July 2010. Anaheim, CA [lecture]
11. Winter WE and Harris NS. The Activated Partial Thromboplastin Time - What Does it Tell Us, and When Should We Listen? Presented at American Association for Clinical Chemistry, AACC. July 2010. Anaheim, CA [lecture]

b) National

“Next Generation of von Willebrand Activity Factor Testing:
Are you performing the right one?” Neil S. Harris and Marian Rollins-Raval. CAP 2022 Meeting, New Orleans, October 2022

**Harris NS**. Basic Hematology; Review of Coagulation; D-Dimer testing. Professional Practice in Clinical Chemistry - A Review and Update. American Association for Clinical Chemistry, AACC. La Jolla, CA. May 1-2 2013 [lecture]

**Harris NS**. Iron – uptake and control; Hemoglobin disorders. Professional Practice in Clinical Chemistry - A Review and Update. American Association for Clinical Chemistry, AACC. San Diego, CA May 1-5 2011 [lecture]

c) Local

**Harris NS**. Coagulation Factor VIII – Evolution & BiologyCoagulation Factor VIII – Evolution & Biology Hemoglobin A1c - Perspectives from Hemoglobin Biochemistry. Grand Rounds. University of Florida, Department of Pathology Immunology & Laboratory Medicine, Gainesville, FL. September 2018

**Harris NS**. Coagulation Factor VIII – Evolution & BiologyCoagulation Factor VIII – Evolution & BiologyCoagulation Factor VIII – Evolution & Biology. Grand Rounds. University of Florida, Department of Pathology Immunology & Laboratory Medicine, Gainesville, FL. January 2017.

**Harris NS**. Coagulation Factor VIII – Evolution & BiologyCoagulation Factor VIII – Evolution & Biology Chemical Pathology of Vitamin B12. Grand Rounds. University of Florida, Department of Pathology Immunology & Laboratory Medicine, Gainesville, FL. January 2015.

**EDITOR OF SCHOLARLY JOURNALS, SERVICE ON EDITORIAL ADVISORY**

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a. **Editorial Advisory Boards**

*Clinical Biochemistry* (Journal of the Canadian Society of Clinical Chemists). Elsevier Publishing)

b. **Reviewer for Scholarly Journals**

* Clinical Biochemistry (25 manuscripts from 2012 to present)
* Clinica Chimica Acta (22 manuscripts from 2012 to present)
* Clinical Chemistry (3 manuscripts from 2012 to present)
* Journal of Applied Laboratory Medicine (JALM) (6 manuscripts from 2012 to present)
* Laboratory Medicine (3 manuscripts from 2012 to present)
* Advances in Clinical Chemistry (1 manuscript)

 c. **Book Manuscripts Reviewed**

*Tietz Textbook of Clinical Chemistry and Molecular Diagnostic*s. Edition 6 (Published 2017) Rifai N, Horvath AR, Wittwer CT.

**INTERNATIONAL ACTIVITIES**

Member of the British Association for Clinical Biochemistry (ACB). Attended ***Focus 2019***, the Annual Meeting of the ACB, Glasgow, Scotland, UK

In 2008 and 2012 I received a teaching grant from the University of Cape Town (UCT) in South Africa. This enabled me to spend 2 weeks (on each occasion) at UCT giving lectures and informal tutorials to trainees as well as Medicine Grand Rounds