

GEORGE ANTHONY COTSONIS  
May 2023

Mailing Address: 2966 Briarglen Dr  
Doraville, Ga 30340  
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EDUCATION:

Pensacola Jr. College  
A.A. in General Science  
September, 1973 - May, 1975

The University of West Florida  
B.A. in Mathematics  
June, 1975 - June, 1977

The University of West Florida  
M.A. in Mathematics  
September, 1977 - December, 1978

Emory University  
A.B.D. in Biostatistics

PROFESSIONAL EMPLOYMENT:

September, 1975 - June, 1976  
Student Trainee (Data Processing)  
United States Environmental Protection Agency  
Water Division, Technical Support Branch  
Region IV Headquarters, Atlanta, Ga  
Principal Task: Water Quality Data Retrieval and Computer Graphics

January, 1978 - February, 1979  
Statistical Assistant  
Naval Aerospace Medical Research Laboratory  
United States Navy  
Pensacola, Fl  
Principal Task: Development of a Statistical Package of FORTRAN  
Programs

January, 1979 - June, 1979  
Adjunct Professor  
Mathematics and Statistics Department  
The University of West Florida  
Pensacola, Fl  
Principal Task: Teaching Elementary Statistics

September, 1979 - December, 1980  
Research Associate  
Mathematics and Statistics Research Department  
Union Carbide Nuclear Division  
Oak Ridge, Tn  
Principal Task: Computer Graphics, Mathematical and Statistical  
Programming, and General Systems Programming

January, 1981 - May, 2004  
Biostatistician  
Department of Biostatistics  
Rollins School of Public Health  
Emory University  
Atlanta, Ga

Principal Tasks: Statistical Consulting, Statistical Programming, Clinical Trial management, Teaching, Statistical Analysis, Computer Graphics, Teaching Assistant, Computer Hardware, and Research Data Management

May, 2004 - May 2022  
Senior Associate  
Department of Biostatistics  
Rollins School of Public Health  
Emory University  
Atlanta, Ga

Principal Tasks: Statistical Consulting, Teaching, Statistical Programming, Clinical Trial management, Statistical Analysis, Computer Graphics, Teaching Assistant, Computer Hardware, and Research Data Management

April 2007 - December 2022  
Statistician  
Peach State Statistical Consulting, Inc  
2966 Briarglen Dr.  
Doraville, Ga 30340  
Principal Tasks: Statistical Consulting

May, 2022 - Present  
Assistant Professor  
Department of Biostatistics  
Rollins School of Public Health  
Emory University  
Atlanta, Ga  
Principal Tasks: Statistical Consulting, Teaching, Statistical Programming, Clinical Trial management, Statistical Analysis, Computer Graphics, Teaching Assistant, Computer Hardware, and Research Data Management

#### NIH GRANTS:

General Clinical Research Center (GCRC) and Atlanta Clinical & Translational Science Institute (ACTSI) - 1985 to Present  
Warfarin-Aspirin Symptomatic Intracranial Disease Study for Stroke (WASID) - 1998 to 2004  
Efficacy and Mechanisms of GLN Dipeptide in the SICU (GLND) - 2006 to 2012  
Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS) - 2008 to 2012  
Infant Aphakia Treatment Study (IATS) - 2005 to Present  
Mechanisms of Early Recurrence in Intracranial Atherosclerotic Disease (MyRIAD) - 2018 to Present

CURRENT INTEREST:

Statistical Consulting, Statistical Computing, and Clinical Trials

PROFESSIONAL ORGANIZATIONS:

Member, American Statistical Association, 1979 - Present

Member, Society for Clinical Trials, 1999 - Present

HONORS:

Certificate of Recognition by UWF SIGMA PSI, 1979

COURSES TAUGHT:

UWF, Sta 3023, **Statistics For Social Science**, Winter 1979.

UWF, Sta 3023, **General Statistics**, Spring 1979.

Emory, Business School, **Business Statistics**, Fall ?

Emory SON, NRS736, **QUANTITATIVE ANALYSIS OF CLINICAL RESEARCH DATA**,  
Summer 2006

Emory RSPH

Bios531, **SAS Programming**, Fall 2003 - Fall 2020

Bios532, **Statistical Computing**, Spring 2003 - Spring 2021

Bios5001, **Statistical Methods I Lab**, Fall 2007 - Fall 2011, Fall  
2016, Fall 2019, Fall 2020

Bios500, **Statistical Methods I**, Fall 2014, 2017, 2018

Bios501, **Statistical Methods II**, Spring 2015, 2017,

2018, 2019, 2020, 2021

Info511, **Analytics**, Spring 2016-2017

Georgia State University

HHS-8200, **Instrmnt Eval and Constrctn**, Summer 2011

NUR 8120, **Univariate Statistical Analysis for the Health Care  
Professionals**, Fall 2012 - Fall 2015

NUR 8140, **Multivariate Statistical Analysis for Health Care  
Professionals**, Spring 2013 - Spring 2016

PUBLICATIONS:

1. Wollam GL, Hall WD, Porter VD, Douglas MB, Unger DJ, Blumenstein BA, Cotsonis GA, Knudtson ML, Felner JM, Schlant RC (1983). Time course of regression of left ventricular hypertrophy in treated hypertensive patients. AM J MED 75(3A), 100-110.
2. Beaver RC, Sharp ES, Cotsonis, GA (1986). Burnout experienced by nurse-midwives. Journal of Nurse-Midwifery 31, 3-15.
3. Leimgruber PP, Roubin GS, Hollman J, Cotsonis GA, Meier B, Douglas JS, King SB, Gruentzig AR (1986). Restenosis after successful coronary Angioplasty in patients with single-vessel disease. Circulation 73, 710-717.
4. Leff ML, Hill JO, Yates AA, Cotsonis GA, Heymsfield SB. (1987).

- Resting metabolic rate: measurement reliability. J Parenter Enteral Nutr 11(4), 354-359.
5. Kanto W, Stoll B, Child C, Cotsonis GA, Bain R (1988). The cost of necrotizing enterocolitis. Perinatology Neonatology 12, 32-34.
  6. Haber M, Longini IM, Cotsonis GA (1988). Statistical analysis of infectious disease data. Biometrics 44, 163-173.
  7. Longini IM, Koopman JS, Haber M, Cotsonis GA (1988). Statistical inference on risk-specific household and community transmission parameters for infectious disease. American Journal of Epidemiology 128, 845-859.
  8. Hall JR, Cotsonis GA (1990). Analysis of residents' performances on the in-training examination of the American Board of Anesthesiology - American Society of Anesthesiologists. Academic Medicine 65, 475-477.
  9. Newby FD, DiGirolamo M, Cotsonis GA, Kutner MH (1990). Model of spontaneous obesity in aging male Wistar rats. Am. J. Physiol. 259, 1117-1125.
  10. Bonkovsky HL, Singh RH, Jafri IH, Fiellin DA, Smith GS, Simon D, Cotsonis GA, Slaker DP (1991). A randomized, controlled trial of treatment of alcoholic hepatitis with parenteral nutrition and Oxandrolone. II. short-term effects on nitrogen metabolism, metabolic balance, and nutrition. American Journal of Gastroenterology 86, 1209-1218.
  11. Dysart M, Graves BW, Sharp ES, Cotsonis GA (1991). The incidence of meconium-stained amniotic fluid from 1980 through 1986, by year and gestational age. Journal of Perinatology XI, 245-248.
  12. Riether AM, Smith SL, Lewison BJ, Cotsonis GA, Epstein CM (1992). Quality-of-life changes and psychiatric and neurocognitive outcome after heart and liver transplantation. Transplantation 54(3), 444-450.
  13. Epstein CM, Riether AM, Henderson RM, Cotsonis GA (1992). EEG in liver transplantation: visual and computerized analysis. Electroencephalography and Clinical Neurophysiology 83, 367-371.
  14. Faraj BA, Camp VM, Davis DC, Kutner MH, Cotsonis GA, Holloway T (1993). Elevated concentrations of dopamine sulfate in plasma of cocaine abusers. Biochemical Pharmacology 46(8), 1453-1457.
  15. Wilcox CM, Shalek KA, Cotsonis GA (1994). Striking prevalence of over-the-counter nonsteroidal anti-inflammatory drug use in patients with upper gastrointestinal hemorrhage. Archives of Internal Medicine 154, 42-46.
  16. Fletcher BJ, Dunbar SB, Felner JM, Jenson BE, Almon L, Cotsonis GA, Fletcher GF (1994). Exercise testing and training in physically disabled men with clinical evidence of coronary artery disease. American Journal of Cardiology 73(2), 170-174.
  17. Hawkins DW, Hall WW, Douglas MB, Cotsonis GA (1994). A multicenter

- analysis of the use of enalapril and lisinopril in elderly hypertensive patients. Journal of the American Geriatrics Society 42(12), 1273-1276.
18. Wilcox CM, Schwartz DA, Cotsonis GA, Thompson SE (1996). Chronic unexplained diarrhea in HIV infection: determination of the best diagnostic approach. Gastroenterology 110(1), 30-37.
  19. Brugada R, Wenger NK, Jacobson TA, Clark WS, Cotsonis GA, Iglesias A (1996). Changes in plasma cholesterol levels after hospitalization for acute coronary events. Cardiology 87(3), 194-199.
  20. Pelig II, Lubin MF, Cotsonis GA, Clark WS, Wilcox CM. (1996). Long-term use of nonsteroidal antiinflammatory drugs and other chemopreventors and risks of subsequent colorectal neoplasia. Dig Dis Sci, 41(7), 1319-1326.
  21. Chalasani N, Cotsonis GA, Wilcox CM (1996). Upper gastrointestinal bleeding in patients with chronic renal failure: role of vascular ectasia. Am J Gastroenterol, 91(11), 2329-2332.
  22. Fritz ME, Braswell LD, Koth D, Jeffcoat M, Reddy M, Brogan D, Cotsonis GA, Winter M, Lemons JE (1996). Analysis of consecutively placed loaded root-form and plate-form implants in adult Macaca mulatta monkeys. J Periodontol 67(12), 1322-1328.
  23. Alleyne CH, Fox TH, Olson JJ, Cotsonis GA, Crocker I, Bakay RA (1997). Stereotactic radiosurgery of malignant and benign intracranial lesions utilizing a patient rotator., Radiat Oncol Investig 5(1), 20-30.
  24. Wilcox CM, Alexander LN, Cotsonis GA (1997). A prospective characterization of upper gastrointestinal hemorrhage presenting with hematochezia. Am J Gastroenterol 92(2), 231-235.
  25. Wilcox CM, Alexander LN, Cotsonis GA, Clark WS (1997). Nonsteroidal antiinflammatory drugs are associated with both upper and lower gastrointestinal bleeding., Dig Dis Sci 42(5), 990-997.
  26. Lumsden AB, Macdonald MJ, Kikeri D, Cotsonis GA, Harker LA, Martin LG (1997). Prophylactic balloon angioplasty fails to prolong the patency of expanded polytetrafluoroethylene arteriovenous grafts: results of a prospective randomized study., J Vasc Surg 26(3), 382-390.
  27. Fritz ME, Braswell LD, Koth D, Jeffcoat M, Reddy M, Cotsonis GA (1997). Experimental peri-implantitis in consecutively placed, loaded root-form and plate-form implants in adult Macaca mulatta monkeys., J Periodontol 68(11), 1131-1135.
  28. Olson JJ, Barnett D, Yang J, Assietti T, Cotsonis G, James CD (1998). Gene amplification as a prognostic factor in primary brain tumors. Clin Cancer Res 4(1), 215-222.
  29. Lumsden AB, MacDonald MJ, Kikeri D, Cotsonis GA, Harker LA, Martin LG (1998). Cost efficacy of duplex surveillance and prophylactic angioplasty if arteriovenous ePTEE grafts. Ann Vasc Surg 12(2), 138-142.

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31. Popp Weingarten CA, Song AW, Wong EC, Cotsonis G, Hyde JS (1998). T1-selective diffusion weighted fMRI at 1.5T. *NMR in Biomedicine* 11(8), 405-13.
32. El-Galley RE, Keane TE, Petros JA, Sanders WH, Clarke HS, Cotsonis GA, Graham SD Jr (1998). Evaluation of staging lymphadenectomy in prostate cancer. *Urology* 52(4), 663-7.
33. Martin LG, MacDonald MJ, Kikeri D, Cotsonis GA, Harker LA, Lumsden AB (1999). Prophylactic angioplasty reduces thrombosis in virgin ePTFE arteriovenous dialysis grafts with greater than 50% stenosis: subset analysis of a prospectively randomized study. *Journal of Vascular & Interventional Radiology* 10(4), 389-96.
34. Jonas CR, Estivariz CF, Jones DP, Gu LH, Wallace TM, Diaz EE, Pascal RR, Cotsonis GA, Ziegler TR (1999). Keratinocyte growth factor enhances glutathione redox state in rat intestinal mucosa during nutritional repletion. *Journal of Nutrition* 129(7), 1278-84.
35. Alleyne CH Jr, He J, Yang J, Hunter SB, Cotsonis G, James CD, Olson JJ (1999). Analysis of cyclin dependent kinase inhibitors in malignant astrocytomas. *International Journal of Oncology* 14(6), 1111-6.
36. Fried MW, Shiffman M, Sterling RK, Weinstein J, Crippin J, Garcia G, Wright TL, Conjeevaram H, Reddy KR, Peter J, Cotsonis GA, Nolte FS (2000). A multicenter, randomized trial of daily high-dose interferon- $\alpha$  2b for the treatment of chronic hepatitis c: pretreatment stratification by viral burden and genotype. *American Journal of Gastroenterology* 95(11), 3225-9.
37. Arbiser JL, Weiss SW, Arbiser ZK, Bravo F, Govindajaran B, Caceres-Rios H, Cotsonis G, Recavarren S, Swerlick RA, Cohen C (2001). Differential expression of active mitogen-activated protein kinase in cutaneous endothelial neoplasms: implications for biologic behavior and response to therapy. *Journal of the American Academy of Dermatology* 44(2), 193-7.
38. Lohmann C, Gibney E, Cotsonis G, Lawson D, Cohen C (2001). Progesterone receptor immunohistochemical quantitation compared with cytosolic assay: correlation with prognosis in breast cancer. *Applied Immunohistochemistry & Molecular Morphology* 9(1), 49-53.
39. Zafari AM, Davidoff MN, Austin H, Valppu L, Cotsonis G, Lassegue B, Griendling KK (2002). The A640G and C242T p22(phox) polymorphisms in patients with coronary artery disease. *Antioxidants & Redox Signaling* 4(4), 675-80.
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42. Popp CA, Luborsky L, Andrusyna TP, Cotsonis G, Seligman D (2002). Relationships between God and people in the Bible: a core conflictual relationship theme study of the Pentateuch/Torah. *Psychiatry* 65(3), 179-96.
43. Masud T, Manatunga A, Cotsonis G, Mitch WE (2002). The precision of estimating protein intake of patients with chronic renal failure. *Kidney International* 62(5), 1750-6.
44. Mayr MT, Crocker IR, Butker EK, Williams H, Cotsonis GA, Olson JJ (2002). Results of interstitial brachytherapy for malignant brain tumors. *International Journal of Oncology* 21(4), 817-23.
45. Garcia EJ, Lawson D, Cotsonis G, Cohen C (2002). Hepatocellular carcinoma and markers of apoptosis (bcl-2, bax, bcl-x): prognostic significance. *Applied Immunohistochemistry & Molecular Morphology* 10(3), 210-7.
46. Moss M, Wellman DA, Cotsonis GA (2003). An appraisal of multivariable logistic models in the pulmonary and critical care literature *Chest* 123(3), 923-8.
47. Moss M, Parsons PE, Steinberg KP, Hudson LD, Guidot DM, Burnham EL, Eaton S, Cotsonis GA (2003). Chronic alcohol abuse is associated with an increased incidence of acute respiratory distress syndrome and severity of multiple organ dysfunction in patients with septic shock. *Critical Care Medicine* 31(3), 869-77.
48. Aisiku IP, Moss IM, Cotsonis G (2003). Serum glutathione in trauma patients. *Acad Emerg Med* 10(5), 497-8.
49. Cohen C, Lohmann CM, Cotsonis G, Lawson D, Santoianni R (2003). Survivin expression in ovarian carcinoma: correlation with apoptotic markers and prognosis. *Mod Pathol* 16(6), 574-83.
50. Strickland OL, Moloney MF, Dietrich AS, Myerburg S, Cotsonis GA, Johnson RV (2003). Measurement issues related to data collection on the World Wide Web. *ANS Adv Nurs Sci* 26(4), 246-56.
51. Popp CA, Luborsky L, Descoteaux J, Diguier L, Andrusyna TP, Kirk D, Cotsonis G (2003). Relationships between God and people in the Bible: Part II: The New Testament, with comparisons with the Torah. *Psychiatry* 66(4), 285-307.
52. Cohen C, Lohmann CM, Cotsonis G, Lawson D, Santoianni R (2004). Survivin expression in ovarian carcinoma: correlation with apoptotic markers and prognosis. *Mod Pathol* 17(5), 603.
53. Popp CA, Luborsky L, Descoteaux J, Diguier L, Andrusyna TP, Kirk D, Cotsonis G (2004). Relationships between God and people in the Bible: Part III: When the other is an outsider. *Psychiatry* 67(1), 26-37.

54. Hoiriis KT, Pflieger B, McDuffie FC, Cotsonis G, Elsangak O, Hinson R, Verzosa GT (2004). A randomized clinical trial comparing chiropractic adjustments to muscle relaxants for subacute low back pain. *J Manipulative Physiol Ther* (6), 388-98.
55. Fields AC, Cotsonis G, Sexton D, Santoianni R, Cohen C (2004). Survivin expression in hepatocellular carcinoma: correlation with proliferation, prognostic parameters, and outcome. *Mod Pathol* (11), 1378-85.
56. Choi WW, Lewis MM, Lawson D, Yin-Goen Q, Birdsong GG, Cotsonis GA, Cohen C, Young AN (2005). Angiogenic and lymphangiogenic microvessel density in breast carcinoma: correlation with clinicopathologic parameters and VEGF-family gene expression. *Mod Pathol*(18), 143-152.
57. Byas-Smith MG, Chapman SL, Reed B, Cotsonis G (2005). The effect of opioids on driving and psychomotor performance in patients with chronic pain. *Clin J Pain*(4), 345-354.
58. Tumlin JA, Finkel KW, Murray PT, Samuels J, Cotsonis G, Shaw AD (2005). Fenoldopam mesylate in early acute tubular necrosis: a randomized, double-blind, placebo-controlled clinical trial. *Am J Kidney Dis* 46(1),26-34.
59. Coleman KE, Brat DJ, Cotsonis GA, Lawson D, Cohen C (2006). Proliferation (MIB-1 expression) in oligodendrogliomas: assessment of quantitative methods and prognostic significance. *Appl Immunohistochem Mol Morphol*. 14(1), 109-114.
60. Perry BN, Cohen C, Govindarajan B, Cotsonis G, Arbiser JL (2006). Wilms tumor 1 expression present in most melanomas but nearly absent in nevi. *Arch Dermatol*. Aug;142(8):1031-4.
61. Turan TN, Cotsonis G, Lynn MJ, Chaturvedi S, Chimowitz M, (2007). Relationship Between Blood Pressure and Stroke Recurrence in Patients With Intracranial Arterial Stenosis. *Circulation*. 2007 Jun 12;115(23):2969-75.
62. Williams JE, Chimowitz MI, Cotsonis GA, Lynn MJ, Waddy SP (2007). Gender Differences in Outcomes Among Patients With Symptomatic Intracranial Arterial Stenosis. *Stroke*. 2007 Jul;38(7):2055-62.
63. Chaturvedi S, Turan TN, Lynn MJ, Kasner SE, Romano J, Cotsonis G, Frankel M, Chimowitz MI; WASID Study Group (2007). Risk factor status and vascular events in patients with symptomatic intracranial stenosis. *Neurology*. 2007 Nov 27;69(22):2063-8.
64. Nassar A, Radhakrishnan A, Cabrero IA, Cotsonis G, Cohen C (2007). COX-2 expression in invasive breast cancer: correlation with prognostic parameters and outcome. *Appl Immunohistochem Mol Morphol*. 2007 Sep;15(3):255-9.
65. Blanco RA, Ziegler TR, Carlson BA, Cheng PY, Park Y, Cotsonis GA, Accardi CJ, Jones DP (2007). Diurnal variation in glutathione and cysteine redox states in human plasma. *Am J Clin Nutr*. 2007 Oct;86(4):1016-23.



66. Hertzberg V, Chimowitz M, Lynn M, Chester C, Asbury W, Cotsonis G (2008). Use of dose modification schedules is effective for blinding trials of warfarin: evidence from the WASID study. *Clin Trials*. 2008;5(1):23-30.
67. Nassar A, Cohen C, Cotsonis G, Carlson G (2008). Significance of intramammary lymph nodes in the staging of breast cancer: correlation with tumor characteristics and outcome. *Breast J*. 2008 Mar-Apr;14(2):147-52.
68. Nahab F, Cotsonis G, Lynn M, Feldmann E, Chaturvedi S, Hemphill JC, Zweifler R, Johnston K, Bonovich D, Kasner S, Chimowitz M; WASID Study Group (2008). Prevalence and prognosis of coexistent asymptomatic intracranial stenosis. *Stroke*. 2008 Mar;39(3):1039-41.
69. Nassar A, Lawson D, Cotsonis G, Cohen C (2008). Survivin and caspase-3 expression in breast cancer: correlation with prognostic parameters, proliferation, angiogenesis, and outcome. *Appl Immunohistochem Mol Morphol*. 2008 Mar;16(2):113-20.
70. McEachin MD, Xu XX, Santoianni RA, Lawson D, Cotsonis G, Cohen C (2008). GATA-4 and GATA-6 expression in human ovarian surface epithelial carcinoma. *Appl Immunohistochem Mol Morphol*. 2008 Mar;16(2):153-8.
71. Nassar A, Sexton D, Cotsonis G, Cohen C (2008). Survivin expression in breast carcinoma: correlation with apoptosis and prognosis. *Appl Immunohistochem Mol Morphol*. 2008 May;16(3):221-6.
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77. Moloney MF, Aycock DM, Cotsonis GA, Myerburg S, Farino C, Lentz M. An Internet-based migraine headache diary: issues in Internet-based research. *Headache*. 2009 May;49(5):673-86.
78. Nassar A, Radhakrishnan A, Cabrero IA, Cotsonis GA, Cohen C., Intratumoral Heterogeneity of Immunohistochemical Marker Expression in Breast Carcinoma: A Tissue Microarray-based Study. *Appl Immunohistochem Mol Morphol*. 2010 May 18.
79. Infant Aphakia Treatment Study Group, Lambert SR, Buckley EG, Drews-Botsch C, DuBois L, Hartmann E, Lynn MJ, Plager DA, Wilson ME. The infant aphakia treatment study: design and clinical measures at enrollment. *Arch Ophthalmol*. 2010 Jan;128(1):21-7
80. Infant Aphakia Treatment Study Group, Lambert SR, Buckley EG, Drews-Botsch C, DuBois L, Hartmann EE, Lynn MJ, Plager DA, Wilson ME. A randomized clinical trial comparing contact lens with intraocular lens correction of monocular aphakia during infancy: grating acuity and adverse events at age 1 year. *Arch Ophthalmol*. 2010 Jul;128(7):810-8
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83. Liebeskind DS, Cotsonis GA, Saver JL, Lynn MJ, Turan TN, Cloft HJ, Chimowitz MI; for the Warfarin-Aspirin Symptomatic Intracranial Disease (WASID) Investigators. Collaterals dramatically alter stroke risk in intracranial atherosclerosis. *Ann Neurol*. 2011 Jun;69(6):963-74.
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92. Russell B, Ward MA, Lynn M, Dubois L, Lambert SR; Infant Aphakia Treatment Study Group; The infant aphakia treatment study contact lens experience: one-year outcomes. *Eye Contact Lens*. 2012 Jul;38(4):234-9.
93. Royster EB, Trimble LM, **Cotsonis** G, Schmotzer B, Manatunga A, Rushing NN, Pagnoni G, Auyeung SF, Brown AR, Schoenbeck J, Murthy S, McDonald WM, Musselman DL; Changes in heart rate variability of depressed patients after electroconvulsive therapy. *Cardiovasc Psychiatry Neurol*. 2012;2012:794043.
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