

Exhibit 535

IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF NORTH CAROLINA
SOUTHERN DIVISION

IN RE:	)	
	)	
CAMP LEJEUNE WATER LITIGATION	)	
	)	
This Document Relates to:	)	Case Nos.:
	)	
ROBERT WELCH	)	7:23-CV-01503
	)	
RICHARD SPARKS	)	7:23-CV-00682

**MATERIALS CONSIDERED LIST FOR DR. HEIDI SCHWARZ'S REPORTS ON
PLAINTIFFS ROBERT WELCH AND RICHARD SPARKS**

Pursuant to Fed. R. Civ. P. 26(a)(2)(B)(ii) and the Stipulated Order Regarding Expert Discovery (Case Management Order No. 17) (D.E. 305), Plaintiffs hereby identify the facts, data, and publications considered by Heidi Schwarz, MD, FAAN ("Schwarz") in forming her opinions set forth in her reports concerning Plaintiffs Robert Welch and Richard Sparks served on February 7, 2025 (the "Reports").

Schwarz's Reports contain a thorough statement of the facts, data, and publications that she considered in forming her opinions, including the section entitled "Exhibit A." Plaintiffs incorporate all facts, data, and publications referenced in Schwarz's Reports as if fully listed herein. Unless otherwise stated below, any facts, data or publications cited in Schwarz's Reports are either accessible to the government or were previously produced by Plaintiffs.

Plaintiffs specifically identify the following facts, data, and publications considered by Schwarz in forming her opinions for Robert Welch:

1. Gash DM; Bohn MC; Fiandaca MS; Okawara SH; Kordower JH; Notter MFD; Snyder J; **Schwarz HB**; Shoulson I. "Adrenal Medullary Implantation Promotes Tyrosine Hydroxylase Immunoreactivity in Host Striatum of MPTP Animal Models of Parkinsonism". Archives of Neurology. 1988; 45(7): 810-811

2. Cudkiewicz, M. and (2010), A futility study of minocycline in Huntington's disease[†]. *Mov. Disord.*, 25: 2219-2224. <https://doi.org/10.1002/mds.23236>
3. Huntington Study Group HART Investigators. A randomized, double-blind, placebo-controlled trial of pridopidine in Huntington's disease. *Mov Disord.* 2013 Sep;28(10):1407-15. doi: 10.1002/mds.25362. Epub 2013 Feb 28. PMID: 23450660.
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5. Dorsey, ER et al. “National Randomized Controlled Trial of Virtual House Calls for People with Parkinson’s Disease: Interest and Barriers”. *Telemedicine and e-Health.* 2016;22 (7):590-598.
6. Dorsey, ER;: Wagner, JD; Bull, MT; Rizzieri, A; Grischkan, J; Achey, MA; Sherer, T; Chowdhury S; Meunier,C;Cappelletti, L; Rocher, C; Richard, IH; **Schwarz, H**; Kang, G; Ahmad, SH; Biemiller, RA; Biglan, KM. "Feasibility of Virtual Research Visits in Fox Trial Finder". *Journal of Parkinson's Disease.* 2015; 5: 505-515
7. Dorsey, E.R., Kinel, D., Pawlik, M.E., Zafar, M., Lettenberger, S.E., Coffey, M., Auinger, P., Hylton, K.L., Shaw, C.W., Adams, J.L., Barbano, R., Braun, M.K., **Schwarz, H.B.**, Lawrence, B.P., Kieburtz, K., Tanner, C.M., de Miranda, B.R. and Goldman, S.M. (2024), Dry-Cleaning Chemicals and a Cluster of Parkinson's Disease and Cancer: A Retrospective Investigation. *Mov Disord*, 39: 606-613. <https://doi.org/10.1002/mds.29723>
8. Hershey AD, Armand CE, Berk T, Burch R, Buse DC, Dougherty C, Marmura MJ, Minen MT, Robblee J, **Schwarz HB**. Updated process for American Headache Society Guidelines. *Headache.* 2021 Apr;61(4):565-566. doi: 10.1111/head.14093. PMID: 33891346
9. Hirsch L, Jette N, Frolkis A, Steeves T, Pringsheim T. The Incidence of Parkinson’s Disease: A Systematic Review and Meta-Analysis. *Neuroepidemiology.* 2016;46(4):292-300. doi:10.1159/000445751
10. Roos DS, Klein M, Deeg DJH, Doty RL, Berendse HW. Prevalence of Prodromal Symptoms of Parkinson’s Disease in the Late Middle-Aged Population. *J Park Dis.* 2022;12(3):967-974. doi:10.3233/JPD-213007
11. Antony, P. M., Diederich, N. J., Krüger, R. & Balling, R. The hallmarks of Parkinson's disease. *Febs j*280, 5981-5993 (2013). <https://doi.org/10.1111/febs.12335>

12. Henderson, M. X., Trojanowski, J. Q. & Lee, V. M. α -Synuclein pathology in Parkinson's disease and related α -synucleinopathies. *Neurosci Lett* 709, 134316 (2019). <https://doi.org/10.1016/j.neulet.2019.134316>
13. Lee, J. K., Tran, T. & Tansey, M. G. Neuroinflammation in Parkinson's disease. *J Neuroimmune Pharmacol* 4, 419-429 (2009). <https://doi.org/10.1007/s11481-009-9176-0>
14. Tansey, M. G. et al. Inflammation and immune dysfunction in Parkinson disease. *Nat Rev Immunol* 22,657-673 (2022). <https://doi.org/10.1038/s41577-022-00684-6>
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16. Pang SY, Ho PW, Liu HF, et al. The interplay of aging, genetics and environmental factors in the pathogenesis of Parkinson's disease. *Transl Neurodegener*. 2019;8(1):23. doi:10.1186/s40035-019-0165-9.
17. Lee AJ, Wang Y, Alcalay RN, et al. Penetrance estimate of LRRK2 p.G2019S mutation in individuals of non-Ashkenazi Jewish ancestry. *Mov Disord Off J Mov Disord Soc*. 2017;32(10):1432-1438. doi:10.1002/mds.27059
18. Padmakumar S, Kulkarni P, Ferris CF, Bleier BS, Amiji MM. Traumatic brain injury and the development of parkinsonism: Understanding pathophysiology, animal models, and therapeutic targets. *Biomed Pharmacother*. 2022 May;149:112812. doi: 10.1016/j.biopha.2022.112812. Epub 2022 Mar 12. PMID: 35290887; PMCID: PMC9050934.
19. Langston JW et al. Chronic Parkinsonism in humans due to a product of meperidine analog synthesis. *Science* 219, 979-980, 1983.
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21. Paul, K.C., Krolewski, R.C., Lucumi Moreno, E. *et al*. A pesticide and iPSC dopaminergic neuron screen identifies and classifies Parkinson-relevant pesticides. *Nat Commun* 14, 2803 (2023). <https://doi.org/10.1038/s41467-023-38215-z>
22. Pyatha S, Kim H, Lee D, Kim K. Association between Heavy Metal Exposure and Parkinson's Disease: A Review of the Mechanisms Related to Oxidative Stress. *Antioxidants*. 2022; 11(12):2467. <https://doi.org/10.3390/antiox11122467>
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53. Gardner RC, Burke JF, Nettiksimmons J, Goldman S, Tanner CM, Yaffe K. Traumatic brain injury in later life increases risk for Parkinson disease. *Ann Neurol*. 2015 Jun;77(6):987-95. doi: 10.1002/ana.24396. Epub 2015 Mar 28. PMID: 25726936; PMCID: PMC4447556.
54. Virtual visit with Mr. Robert Welch on December 19, 2024
55. https://www.physio-pedia.com/Hoehn_and_Yahr_Scale
56. Janvin CC, Larsen JP, Aarsland D, Hugdahl K (2006) Subtypes of mild cognitive impairment in Parkinson's disease: progression to dementia. *Mov Disord* 21:1343–1349
57. Shin HW, Chung SJ. Drug-induced parkinsonism. *J Clin Neurol*. 2012 Mar;8(1):15-21. doi: 10.3988/jcn.2012.8.1.15. Epub 2012 Mar 31. PMID: 22523509; PMCID: PMC3325428
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59. General Causation Report by Briana De Miranda, PhD 12/8/2024
60. General Causation Report by Lucio Costa, PhD 12/6/2024
61. General Causation Report by Gary W. Miller, PhD 12/7/2024
62. General Causation Report by Amelia Boehme, PhD, MSPH 12/8/2024
63. General Causation Report by Jason Cannon, PhD 12/12/2024
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67. <https://www.webmd.com/parkinsons-disease/motor-fluctuations>
68. [https://wwwn.cdc.gov/TSP/PHS/PHS.aspx?phsid=171&toxid=30#:~:text=EPA%20set%20a%20maximum%20contaminant,%2FL%3B%205%20ppb\).](https://wwwn.cdc.gov/TSP/PHS/PHS.aspx?phsid=171&toxid=30#:~:text=EPA%20set%20a%20maximum%20contaminant,%2FL%3B%205%20ppb).)
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70. Deposition of Robert Welch on March 8, 2024
71. Deposition of Dr.Carolyn Neff MD on April 26, 2024
72. Dorsey ER et al. [Journal of Parkinson's Disease](#), vol. 14, no. 3, pp. 363-381, 2024 DOI: 10.3233/JPD-240019
73. Dommershuijsen, L.J., Darweesh, S.K.L., Ben-Shlomo, Y. *et al.* The elephant in the room: critical reflections on mortality rates among individuals with Parkinson’s disease. *npj Parkinsons Dis.* 9, 145 (2023). <https://doi.org/10.1038/s41531-023-00588-9>
74. Exposure Charts of Kelly Reynolds, MSPH, PhD: Model Cumulative and Exposure Data
75. Records of deposition from Maureen Ann Welch on May 20, 2024
76. Records of deposition from Robert E. Welch on March 8, 2024
77. Records of deposition from Carolyn Neff MD on April 26, 2024
78. Records of deposition Jeffrey Tracy MD on August 8, 2024
79. Records of deposition Edward Markus DO on April 24, 2024
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81. ATSDR, CAMP LEJEUNE DRINKING WATER, U.S. MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA JANUARY 20, 2017

82. United States Supplemental Interrogatory Responses dated May 15, 2024

83. Bates Numbered Medical Records:

01503_WELCH_0000000001 – 0000000054
01503_WELCH_0000000055 – 0000000058
01503_WELCH_0000000081 – 0000000089
01503_WELCH_0000000263 – 0000000380
01503_WELCH_0000000382 – 0000002465
01503_WELCH_0000002466 – 0000004564
01503_WELCH_VBA_0000000104 – 0000000266
01503_WELCH_VBA_0000000288 – 0000000439
01503_WELCH_VBA_0000000632 – 0000000637
01503_WELCH_VBA_0000001262 – 0000001276
01503_WELCH_VHA_0000000001 – 0000000148
01503_WELCH_VHA_0000000171 - 0000000571

84. Bates Numbered Military Records:

01503_WELCH_0000000133 – 0000000138

Plaintiffs specifically identify the following facts, data, and publications considered by Schwarz in forming her opinions for Richard Sparks:

1. Gash DM; Bohn MC; Fiandaca MS; Okawara SH; Kordower JH; Notter MFD; Snyder J; **Schwarz HB**; Shoulson I. "Adrenal Medullary Implantation Promotes Tyrosine Hydroxylase Immunoreactivity in Host Striatum of MPTP Animal Models of Parkinsonism". *Archives of Neurology*. 1988; 45(7): 810-811
2. Cudkovicz, M. and (2010), A futility study of minocycline in Huntington's disease[†]. *Mov. Disord.*, 25: 2219-2224. <https://doi.org/10.1002/mds.23236>
3. Huntington Study Group HART Investigators. A randomized, double-blind, placebo-controlled trial of pridopidine in Huntington's disease. *Mov Disord*. 2013 Sep;28(10):1407-15. doi: 10.1002/mds.25362. Epub 2013 Feb 28. PMID: 23450660.
4. Korn RE, Wagle Shukla A, Katz M, Keenan HT, Goldenthal S, Auinger P, Zhu W, Dodge M, Rizer K, Achey MA, Byrd E, Barbano R, Richard I, Andrzejewski KL, **Schwarz HB**, Dorsey ER, Biglan KM, Kang G, Kanchana S, Rodriguez R, Tanner CM, Galifianakis NB. Virtual visits for Parkinson disease: a multi-center noncontrolled cohort. *Neurol Clin Pract*. 2017 Aug;7(4):283-295. doi: 10.1212/CPJ.0000000000000371.
5. Dorsey, ER et al. "National Randomized Contolled Trial of Virtual House Calls for People with Parkinson's Disease: Interest and Barriers". *Telemedicine and e-Health*. 2016;22 (7):590-598.
6. Dorsey, ER;: Wagner, JD; Bull, MT; Rizzieri, A; Grischkan, J; Achey, MA; Sherer, T; Chowdhury S; Meunier,C;Cappelletti, L; Rocher, C; Richard, IH; **Schwarz, H**; Kang, G; Ahmad, SH; Biemiller, RA; Biglan, KM. "Feasibility of Virtual Research Visits in Fox Trial Finder". *Journal of Parkinson's Disease*. 2015; 5: 505-515
7. Dorsey, E.R., Kinel, D., Pawlik, M.E., Zafar, M., Lettenberger, S.E., Coffey, M., Auinger, P., Hylton, K.L., Shaw, C.W., Adams, J.L., Barbano, R., Braun, M.K., **Schwarz, H.B.**, Lawrence, B.P., Kieburtz, K., Tanner, C.M., de Miranda, B.R. and Goldman, S.M. (2024), Dry-Cleaning Chemicals and a Cluster of Parkinson's Disease and Cancer: A Retrospective Investigation. *Mov Disord*, 39: 606-613. <https://doi.org/10.1002/mds.29723>
8. Hershey AD, Armand CE, Berk T, Burch R, Buse DC, Dougherty C, Marmura MJ, Minen MT, Robblee J, Schwarz HB. Updated process for American Headache Society Guidelines. *Headache*. 2021 Apr;61(4):565-566. doi: 10.1111/head.14093. PMID: 33891346
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17. Lee AJ, Wang Y, Alcalay RN, et al. Penetrance estimate of LRRK2 p.G2019S mutation in individuals of non-Ashkenazi Jewish ancestry. *Mov Disord Off J Mov Disord Soc*. 2017;32(10):1432-1438. doi:10.1002/mds.27059
18. Padmakumar S, Kulkarni P, Ferris CF, Bleier BS, Amiji MM. Traumatic brain injury and the development of parkinsonism: Understanding pathophysiology, animal models, and therapeutic targets. *Biomed Pharmacother*. 2022 May;149:112812. doi: 10.1016/j.biopha.2022.112812. Epub 2022 Mar 12. PMID: 35290887; PMCID: PMC9050934.
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22. Pyatha S, Kim H, Lee D, Kim K. Association between Heavy Metal Exposure and Parkinson's Disease: A Review of the Mechanisms Related to Oxidative Stress. *Antioxidants*. 2022; 11(12):2467. <https://doi.org/10.3390/antiox11122467>
23. Krzyzanowski B, Searles Nielsen S, Turner JR, Racette BA. Fine Particulate Matter and Parkinson Disease Risk Among Medicare Beneficiaries. *Neurology*. 2023 Nov 21;101(21):e2058-e2067. doi: 10.1212/WNL.0000000000207871. Epub 2023 Oct 30. Erratum in: *Neurology*. 2024 Jul 9;103(1):e209596. doi: 10.1212/WNL.0000000000209596. PMID: 37903644; PMCID: PMC10663024.
24. Guehl D et al. Trichloroethylene and parkinsonism: a human and experimental observation. *Eur. J. Neurol*. 6, 609-611, 1999.
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63. General Causation Report by Lucio Costa, PhD 12/6/2024
64. General Causation Report by Gary W. Miller, PhD 12/7/2024
65. General Causation Report by Amelia Boehme, PhD, MSPH 12/8/2024
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77. United States Supplemental Interrogatory Responses dated May 15, 2024
78. Bates Numbered Medical Records:
00682_SPARKS_0000006599 – 0000006649
00682_SPARKS_0000006707 – 0000007196
00682_SPARKS_VBA_0000000021 – 0000000324
00682_SPARKS_VBA_0000001408 – 0000001415
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00682_SPARKS_VBA_0000003130 – 0000003131
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00682_SPARKS_VHA_0000001159 – 0000001169
00682_SPARKS_VHA_0000001195 – 0000001374
79. Bates Numbered Military Records:
00682_SPARKS_NARA_0000000001 – 0000000161

All facts and data listed herein are either identified by bates number or are publicly available to and accessible by Defendant United States of America.

Dr. Schwarz reserves the right to review and consider additional facts, data and publications;

Dr. Schwarz reserves the right to consider the report of any other witness in this action; and

Dr. Schwarz reserves the right to supplement this list of materials considered.