

Curriculum Vitae

Charlotte W. Chen, D.O.
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Education:

2009 – 2012 B.S. Life Science, New York Institute of Technology
2012 – 2016 D.O. New York Institute of Technology College of Osteopathic Medicine

Post-graduate Training:

07/2016 – 06/2019 Residency in Pediatrics, Robert Wood Johnson Medical School, NJ
07/2019 – 06/2022 Clinical Fellowship in Pediatric Endocrinology,
Boston Children's Hospital, MA
07/2020 – 06/2022 Research Fellowship, Joslin Diabetes Center, MA
Mentor: Dr. Lori Laffel
Research training supported by NIH T32 Training Grant

Professional Employment and Hospital Appointments:

07/2016-06/2019 Pediatric Resident, Robert Wood Johnson Medical School
07/2017-06/2019 Pediatric Resident, Children Specialized Hospital
07/2019-06/2022 Clinical Fellow in Endocrinology, Boston Children's Hospital
06/2020-06/2022 Research Fellow, Joslin Diabetes Center
07/2022 Medical Provider, The Barton and Joslin Diabetes Camp
08/2022 Attending Physician in Endocrinology, Children's Hospital at
Montefiore
11/2022 Assistant Professor, Department of Pediatrics, Albert Einstein
College of Medicine

Board Certification:

2019 American Board of Pediatrics
2019 Massachusetts Medical License #278489
2022 New York Medical License #316913
2023 American Board of Pediatric Endocrinology #2241

Professional Society Membership:

Pediatric Endocrinology Society
International Society of Pediatric and Adolescent Diabetes
Endocrine Society
American Diabetes Association

Awards and Honors:

2009 – 2011 Presidential Honor List, NYIT
2011 Technical Writing Awards, NYIT
2013 *Summa Cum Laude*, NYIT
2012 Competitive HRSA Scholarship for Disadvantaged Student, NYITCOM
2014 Silver TOUCH Award for Community Service, NYITCOM
2021 Endocrine Society - Helmsley Charitable Trust Abstract Award in T1D
2021 Endocrine Society - Early Career Forum Award
2022, 2023 Regents Physician Loan Forgiveness Award, New York State
2024 NIH Loan Repayment Award

Other Professional Activities:

2016 – 2019 Member of Bioinformatic/Electronic Health Record Committee,
Robert Wood Johnson University Hospital, NJ
2020 – 2022 Instructor for Applied Diabetes Management Lab,
Harvard Medical School, MA
2023 – present CHAM Lead for the American Diabetes Association Education
Recognition Program
2023 – present Type 1 Exchange: Transition of Care Working Group Member
2025 – present Ambassador, Juniors in Educational Networking and International
Research Opportunities, International Society for Pediatric and
Adolescent Diabetes (ISPAD)
2025 – present Investigator Member, New York Centers for Diabetes Translation
Research

Research:

<u>Funding source and Project Title</u>	<u>Role in Project</u>	<u>Dates</u>
NIH/NIDDK, Randomized Crossover Comparison of Adaptive Model Predictive Control (MPC) Artificial Pancreas Versus Sensor Augmented Pump (SAP)/Predictive Low Glucose Suspend (PLGS) in the Outpatient Setting in Type 1 Diabetes (DCLP4)	Research Fellow	06/2020-05/2021

NIH T32 Grant, Biomedical and Psychosocial Characteristics associated with Diabetes Technology Use in Youth with Type 1 Diabetes	PI	2020-2022
NIH T32 Grant, Updating Diabetes Family Conflict Scale and Diabetes Family Responsibility Questionnaire to Include CGM Items	Co-PI	2020-2022
National NIH K12 “Diabetes-Docs: Physician-Scientist Career Development Program” (DiabDocs), K12DK133995 (David Maahs, Linda DiMeglio, Multi-Center Program Directors), Overcoming Barriers and Reducing Disparities in the Use of Advanced Diabetes Technologies in Youth with Type 1 Diabetes (T1D).	PI	01/2023 – 12/2026
NY Regional CDTR and American Diabetes Association, Developing A Community Health Worker Program For Youth with Type 1 Diabetes (T1D)	PI	01/01/24-06/01/25
ISPAD, The Perception on Nutrition From Latino Caregivers in the Context of Type 1 Diabetes Management	Co-I	11/2025-11/2026

Invited Non-Einstein Presentations:

- 02/2020 “The Sweet Spot: Honeymoon Period in Type 1 Diabetes”,
Boston Children’s Hospital/Brigham and Women’s Hospital, Boston, MA
- 05/2020 “Congenital Hypothyroidism”
Brigham and Women's Hospital/Boston Children's Hospital Thyroid
Conference, Boston, MA
- 03/2021 “Neonatal Diabetes”, Pediatric Endocrine Society Spring Retreat, Virtual
- 04/2021 “Characteristics Associated with Diabetes Device Use Among Youth with
Type 1 Diabetes”, Endocrine Society Type 1 Diabetes Day 2021, Virtual

- 02/2022 "Investigating Health Disparities To Advance Diabetes Technology Use Young People with Type 1 Diabetes", Joslin Diabetes Center, Boston, MA
- 03/2022 "Panhypopituitarism", Boston Children's Hospital NICU Retreat, Boston, MA
- 04/2022 "Family Sharing of Diabetes Responsibilities For Continuous Glucose Monitoring Use: An Updated of Diabetes Family Responsibility Questionnaire (DFRQ)", Advanced Technologies and Treatment for Diabetes 15th Scientific Conference, Barcelona, Spain
- 06/2022 "Updated Diabetes Family Conflict Scale Includes Continuous Glucose Monitoring (CGM) Items", American Diabetes Association 82nd Scientific Conference, New Orleans, LA
- 06/2023 "Overcoming Barriers and Reducing Disparities in the Use of Advanced Diabetes Technologies in Youth with Type 1 Diabetes (T1D)," K12 DiabDocs Breakfast at the American Diabetes Association Conference 2023
- 12/2023 "An Update from the First Cohort of National NIH K12 DiaDocs Program Scholars," The (sugar) science podcast, virtual
- 03/2024 "Overcoming Barriers and Reducing Disparities in the Use of Advanced Diabetes Technologies in Youth with Type 1 Diabetes (T1D) – Updates," K12 DiabDocs 2024 In-Person Program Retreat
- 11/2024 "Developing a Family-Centered Community Health Worker Intervention for Youth with T1D", Innovative Approaches to Psychosocial Care and Equity in Diabetes Prevention and Management American Diabetes Association Workshop
- 02/2025 "Improving Access to Diabetes Technology for Youth", K12 DiabDocs 2025 In-Person Program Retreat
- 03/2025 "Promoting Access to Diabetes Technology for Youth through Community Health Workers", University of Pittsburgh Pediatric Endocrinology Conference

Bibliography

A. Original Communications in Reviewed Journals:

1. Mihlbachler MC, Campbell D, Ayoub M, **Chen C**, Ghani I. Comparative dental microwear of ruminant and perissodactyl molars: Implications for paleodietary analysis of rare and extinct ungulate clades. *Paleobiology*. 2016;42(1):98-116. doi:10.1017/pab.2015.33
2. Puvabanditsin S, **Chen CW**, Vinod S, Mehta MS, Choudry O, Walzer L. Bile-stained amniotic fluid: a case report. *J Med Case Rep*. 2017;11(1):254. Published 2017 Sep 6. doi:10.1186/s13256-017-1419-8
3. Mihlbachler MC, Campbell D, **Chen C**, Ayoub M, Kaur P. Microwear–mesowear congruence and mortality bias in rhinoceros mass-death assemblages. *Paleobiology*. 2018;44(1):131-154. doi:10.1017/pab.2017.13
4. Puvabanditsin S, **Chen CW**, Botwinick M, Hussein K, Mariduena J, Mehta R. Ventriculomegaly and cerebellar hypoplasia in a neonate with interstitial 11q 24 deletion in Jacobsen syndrome region. *Clin Case Rep*. 2018;6(7):1268–1275. Published 2018 May 22. doi:10.1002/ccr3.1560
5. Puvabanditsin S, Botwinick M, **Chen CW**, Joshi A, and Mehta R, "Biliary Tract Abnormalities as a Cause of Distal Bowel Gas in Neonatal Duodenal Atresia," Case Reports in Surgery, vol. 2018, Article ID 8041427, 4 pages, 2018.
6. Elizadeh F, O'Halloran A, Alghamdi A, **Chen C**, Trissal M, Traum A, DeCoursey D. Toddler With New-Onset Diabetes and Atypical Hemolytic Uremic Syndrome in the Setting of COVID-19. *Pediatrics*. 2020 Oct 9:e2020016774. doi: 10.1542/peds.2020-016774. PMID: 33037119.
7. **Chen CW**, Tinsley LJ, Volkening LK, Anderson BJ, Laffel LM. Observed Characteristics Associated With Diabetes Device Use Among Teens With Type 1 Diabetes. *J Diabetes Sci Technol*. 2021 Oct 15:19322968211050069. doi:10.1177/19322968211050069. PMID: 34652236.
8. Shapira, A.*, **Chen, C. W.***, Volkening, L. K., & Laffel, L. M. (2023). Updated Psychosocial Surveys With Continuous Glucose Monitoring Items for Youth With Type 1 Diabetes and Their Caregivers. *Journal of diabetes science and technology*, 19322968231159411.
9. Rosenheck S, **Chen C**, Regelman MO. Pediatric Inpatient Insulin Pump Use and Glycemic Control. *JAMA Netw Open*. 2024 Feb 5;7(2):e2354547. doi: 10.1001/jamanetworkopen.2023.54547. PMID: 38324317.
10. **Chen CW**, Serata E, Scheub R, Dassau T, Wasserman RM, Anderson BJ, Volkening LK, Laffel LM. Text messaging to enhance glucose monitoring and self-care in teens with type 1 diabetes: Teens' perceptions predict outcomes. *Diabetes Res Clin Pract*. 2024 Jun;212:111719. doi: 10.1016/j.diabres.2024.111719. Epub 2024 May 22. PMID: 38789009.
11. **Chen CW**, Durante AJ, Maynard MG, Raymond JK, Reznik M, Laffel LM, Agarwal S. "I Just Wish That It Would Be Easier": Caregivers' Perspectives on Barriers and Proposed Solutions to Diabetes Technology Use for Non-Hispanic Black and Hispanic Youth With Type 1 Diabetes. *Diabetes Spectr*. 2025 Jul 1;38(4):431-440. doi: 10.2337/ds24-0061. PMID: 41257240; PMCID: PMC12620741.
12. **Chen CW**, Durante AJ, Maynard MG, Reznik M, Laffel L, Agarwal S. The Role of Community Health Workers in Improving Diabetes Device Use Among Youth With Type 1 Diabetes: A Web-Based Qualitative Study Using Human-Centered

B. Books, Chapters in Books, and Review Articles:

- a. **Chen C**, Laffel L. Adolescence and Emerging Adulthood Diabetes in Transition. Textbook of Diabetes 6th Edition (2024)
- b. Durante A, **Chen C**, Xu X, Regelman M, Barber R. Diabetes Management in infants, toddlers and preschoolers. Pediatric Diabetes and Diabetes Technology (Under review)

C. Abstracts:

1. Muhlbachler, M. C., Campbell, D., **Chen, C.**, Ayoub, M., & Kaur, P. Efficacy of dental microwear in testing paleodietary hypotheses for non-ruminant ungulates: a test case using North American Miocene rhinoceroses. SVP 2015; 2015 Oct; Dallas, TX, USA
2. **Chen CW**, Gangat M, Balachander, S. Severe Growth Hormone Deficiency and Hyperprolactinemia in a 14-year-old Secondary to Transsphenoidal Encephalocele, Pediatric Endocrine Society 2019 Scientific Conference
3. **Chen CW**, Tinsley, L, Volkening L, Anderson, B, Laffel L. Characteristics Associated with Diabetes Device Use among Youth with Type 1 Diabetes, Endocrine Society 2021 Scientific Conference
4. **Chen CW**, Tinsley L, Volkening L, Anderson B, Laffel L. Psychosocial Characteristic Associated with Diabetes Device Use among Youth with Type 1 Diabetes, American Diabetes Association 81st Scientific Conference
5. Adam A, **Chen C**, Ojukwu S, Kaushal T, Tinsley L, Volkening L, Laffel L. Census Tract SES Coding to Assess Impact of the Pandemic on Care of Youth with T1D, American Diabetes Association 82nd Scientific Conference
6. Ojukwu S, Adam A, Kaushal T, **Chen C**, Tinsley L, Volkening L, Laffel L. Evaluating Community COVID-19 Vaccination Status and Diabetes Visit Frequency during the Pandemic, American Diabetes Association 82nd Scientific Conference
7. Ojukwu S, Adam A, Kaushal T, **Chen C**, Tinsley L, Volkening L, Laffel L. Equitable Glycemic Improvement in Youth with T1D during COVID-19, American Diabetes Association 82nd Scientific Conference
8. **Chen C**, Adam A, Ojukwu S, Kaushal T, Tinsley L, Volkening L, Laffel L. Characteristics Associated with Diabetes Device Use Before and During the Pandemic in Youth with T1D, American Diabetes Association 82nd Scientific Conference
9. **Chen C**, Shapira A, Volkening L, Laffel L. Updated Diabetes Family Conflict Scale (DFC) Includes Continuous Glucose Monitoring (CGM) Items, American Diabetes Association 82nd Scientific Conference
10. **Chen C**, Durante A, Wesley S, Laffel L, Agarwal S. Facilitators and Barriers of Diabetes Technology Use Reported by Parents of Youth with Type 1 Diabetes (T1D) from Underserved Communities, Advanced Technologies and Treatment for Diabetes 17th Scientific Conference, Florence, Italy

11. **Chen C**, Durante A, Maynard M, Laffel L, Agarwal S. Integrating Schools into Diabetes Device Interventions for Underserved Youth with Type 1 Diabetes (T1D). American Diabetes Association 84th Scientific Sessions, Orlando, Florida
12. **Chen C**, Durante A, Maynard M, Fiori K, Laffel L, Reznik M, Agarwal S. Perspectives of Clinic and School-Based Healthcare Providers for a Program Using Specialized Community Health Workers (CHW) for Underserved Youth with Type 1 Diabetes (T1D). International Society of Pediatric and Adolescent Diabetes 50th Annual Conference.