**Cynthia S. Liang, MD MBA**

Pittsburgh, PA 15201

281.753.0360

Cynthia.Liang@chp.edu

**EDUCATION**

**Baylor College of Medicine, Houston, TX** July2016 – May 2021

Doctor of Medicine

USMLE Step 1: 245

USMLE Step 2 CK: 261

**Rice University, Jones Graduate School of Business, Houston, TX** August2019 – May 2021

Master of Business Administration

Forté Fellows Program

GRE: Verbal 165 / Quantitative 166

**The University of Texas at Dallas, Richardson, TX** August2012 – May 2016

Bachelor of Science, *summa cum laude*, Neuroscience. GPA: 3.98/4.00

Eugene McDermott Scholars Program; The Honor Society of Phi Kappa Phi; Collegium V Honors College

Study abroad: Cusco, Peru; Seville, Spain; Dublin, Ireland; Dorf Tirol, Italy

**HONORS AND AWARDS**

**The Methodist Hospital System, CHI St. Luke’s Episcopal Health System, Texas Children’s Hospital and Memorial Hermann Healthcare System Endowed Scholarship** August 2019

* Merit scholarship toward business school, awarded to MD/MBA candidate

**Forté Fellows Program, Forté Foundation** August 2019

* Fellowship for women pursuing an MBA, selected to join by Rice Office of Admissions

**The Honor Society of Phi Kappa Phi** October 2013

* Nation-wide honor society; membership awarded to top 7.5% of undergraduate students at UT-Dallas

**Eugene McDermott Scholars Program** August 2012

* Full merit scholarship toward college; selected from 1000+ applicants

**RESEARCH EXPERIENCE**

**Pathology and Immunology, Texas Children’s Hospital, Houston, TX** 2019 - Present

**Advisor: Jim Dunn, PhD, D(ABMM), Associate Professor**

* Investigating whether the recently implemented TCH Best Practice Guidelines for C diff. testing impacted the frequency of C diff. toxin orders from providers
* Performed retrospective chart review to study provider ordering patterns in the pre- and post-implementation periods

**Obstetrics and Gynecology, Texas Children’s Hospital, Houston, TX** 2018 - 2020

**Advisor: Jennifer E. Dietrich, MSc, MD, FACOG, Professor**

* Analyzed data set of 1000+ patient charts to determine the prevalence of vulvovaginal Graft-versus-Host-Disease (vvGVHD) after bone marrow transplant in a group of pediatric females
* Determined optimal screening period for vvGVHD to reduce long-term complications in these patients

**Obstetrics and Gynecology, Texas Children’s Hospital, Houston, TX** 2018 - 2019

**Advisor: Manisha Gandhi, MD, Associate Professor**

* Investigated whether there is a specific estimated fetal weight or abdominal circumference measurement at the 18-24-week ultrasound that is associated with a small for gestational age (SGA) neonate
* Utilized this data to predict risk of having an SGA infant, in order to counsel mothers appropriately during pregnancy

**Obstetrics and Gynecology, Texas Children’s Hospital, Houston, TX** 2017

**Advisor: Anuja Vyas, MD, Assistant Professor**

* Studied the relationship between treatment compliance with topical steroids and clinical outcomes in patients with vulvar lichen sclerosus (VLS)
* Investigated whether treatment and outcomes differed in women who received care from different specialists

**Obstetrics and Gynecology, Texas Children’s Hospital, Houston, TX** 2017

**Advisor: Oluyemisi A. Adeyemi-Fowode, MD, Assistant Professor**

* Studied the effect of shortening the Depo Provera dosing interval to reduce break-through bleeding in adolescent patients
* Proposed optimal Depo Provera dosing interval to reduce break-through bleeding, while minimizing side effects related to the drug

**Plastic Surgery, Texas Children’s Hospital, Houston, TX** 2017

**Advisor: Larry H. Hollier, MD, Professor**

* Authored two literature scans of recently published studies in plastic surgery

**Pathology and Laboratory Medicine, MD Anderson Cancer Center, Houston, TX** 2015

**Advisor: Guilin Tang, MD, PhD, FACMG, Associate Professor**

* Used florescence-in-situ hybridization technology to identify patients with two chromosomal abnormalities, trisomy 15 and deletion 5q
* Studied the clinical implications of these abnormalities and the need for immediate intervention vs. clinical follow-up

**Pathology and Laboratory Medicine, The University of Texas Health Science Center, Houston, TX** 2015

**Advisor: Jesse Jaso, MD, Assistant Professor**

* Surveyed 150+ patient charts to identify increased STAT3 signaling in cases of hematopoietic stem cell transplant-associated large granular lymphocyte (LGL) Leukemia
* Proposed using this correlation to improve recognition and diagnosis of LGL Leukemia in the post-transplant setting, thereby decreasing time to treatment in these patients

**PUBLICATIONS**

Appelbaum NP, **Liang C**, Whitney SE, Christner J, Tran, TQ, McDeavitt JT (2022). When and What Business Competencies are Needed for the Modern Physician Leader. Physician Leadership Journal. 2022;9(2):39-45.

Allen SM, **Liang CS**, Chesnokova AE, Childress JK, Pascoe KF, Dietrich, JE (2020) Patterns of Genital Examination and Vulvovaginal Graft-Versus-Host Disease in a Pediatric Post-Hematopoietic Stem Cell Transplant Population. Journal of Pediatric and Adolescent Gynecology. Epub ahead of print.

Kohn JR, Connors TM, Chan W, **Liang CS**, Dao H, Vyas A (2020) Clinical Outcomes and Adherence to Topical Corticosteroid Therapy in Women with Vulvar Lichen Sclerosus: A Retrospective Cohort Study. Journal of the American Academy of Dermatology. 83/4: 1104-1109.

Patel V, Resnick, K, **Liang C**, Smith M, Sangi-Haghpeykar H, Mastrobattista J, Gandhi M (2020) Midtrimester Ultrasound Predictors of Small for Gestational Age Neonates. Journal of Ultrasound in Medicine. 39/10: 2027-2031.

**Liang CS,** Allen SM, Pascoe KF, Chesnokova AE, Childress KJ, Dietrich JE (2019) 94. Prevalence and Surveillance of Vulvovaginal Graft-Versus-Host-Disease after Hematopoietic Stem Cell Transplant in the Pediatric Population: An Analysis of 84 Patients. Journal of Pediatric and Adolescent Gynecology. 32/2: 234.

Kohn JR, McClatchy TM, Chan W, **Liang CS**, Dao H, Vyas A (2018) Vulvar Lichen Sclerosus in Gynecology and Dermatology Clinics: The Link between Treatment Compliance and Outcomes. Obstetrics & Gynecology. 131/1: 85S.

Kohn JR, McClatchy TM, Chan W, **Liang CS**, Dao H, Vyas A (2018) PD54-07 Vulvar Lichen Sclerosus in Multidisciplinary Clinics: Treatment Compliance and Sexual Function. Journal of Urology. 199/4S: e1053-e1054.

**Liang CS**, Hollier LH Jr (2017) Review of “Alopecia Following Bicoronal Incisions” by Kadakia S, Badhey A, Ashai S, Lee TS, Ducic Y in *JAMA Facial Plast Surg* 19:220-224, 2017. Journal of Craniofacial Surgery. 28/7: 1880-1881.

**Liang CS**, Hollier LH Jr (2017) Review of “Negative and Positive Online Patient Reviews of Physicians-1 vs. 5 Stars” by Shemirani NL and Castrillon J in *JAMA Facial Plast Surg* [published online ahead of print January 26, 20170 doi. Journal of Craniofacial Surgery. 28/6: 1639.

**Liang CS**, Quesada AE, Goswami M, Johnston PK, Brown RE, Jaso JM (2016) Phosphorylated STAT3 expression in hematopoietic stem cell transplant-associated large granular lymphocytic leukemia. Bone Marrow Transplantation. 51/5: 741-743.

Tang G, Goswami RS, **Liang CS**, Bueso-Ramos CE, Hu S, DiNardo C, Medeiros LJ (2015) Isolated Del(5q) in Patients Following Therapies for Various Malignancies, May Not All Be Clinically Significant. American Journal of Clinical Pathology. 144/1: 78-86.

Goswami RS, **Liang CS,** Bueso-Ramos CE, Hu S, Goswami M, Yin CC, Lu G, Medeiros LJ, Tang G (2015) Isolated +15 in bone marrow: Disease-associated or a benign finding? Leukemia Research. 39/1: 72-76.

Greaves W, Xiao L, Sanchez-Espiridion B, Kunkalla K, Dave KS, **Liang CS**, Singh RR, Younes A, Medeiros LJ, Vega F (2012) Detection of ABCC1 expression in classical Hodgkin lymphoma is associated with increased risk of treatment failure using standard chemotherapy protocols. Journal of Hematology & Oncology. 5/1: Article 47.

**PRESENTATIONS**

**Liang CS,** Allen SM, Pascoe, KF, Chesnokova AE, Childress KJ, Dietrich JE (2019) Prevalence and Surveillance of Vulvovaginal Graft-Versus-Host-Disease after Hematopoietic Stem Cell Transplant in the Pediatric Population: An Analysis of 86 Patients. 33rd Annual Clinical & Research Meeting, North American Society for Pediatric and Adolescent Gynecology (NASPAG), New Orleans, LA (Poster).

Patel V, **Liang C**, Resnick K, Smith M, Sangi-Haghpeykar H, Mastrobattista J, Gandhi M (2019) Midtrimester Ultrasound Prediction of Small for Gestational Age Neonates. 2019 AIUM Convention, American Institute for Ultrasound in Medicine (AIUM), Orlando, FL (Oral).

Kohn JR, McClatchy TM, Chan W, **Liang CS**, Dao H, Vyas A (2018) Vulvar Lichen Sclerosus in Gynecology and Dermatology Clinics: The Link between Treatment Compliance and Outcomes. 2018 Annual Clinical and Scientific Meeting, The American College of Obstetricians and Gynecologists (ACOG), Austin, TX (Poster).

Kohn JR, McClatchy TM, Chan W, **Liang CS**, Dao H, Vyas A (2018) Vulvar Lichen Sclerosus in Multidisciplinary Clinics: Treatment Compliance and Sexual Function. The 2018 American Urological Association Annual Meeting, San Francisco, CA (Oral).

**LEADERSHIP EXPERIENCE**

**Team Lead, Davam Care Consulting Project, Rice University “Action Learning Project” Course** Jan – May 2020

* Semester-long consulting project working with Davam Care, an urgent care center based in Magnolia and Giddings, TX
* Examined the feasibility of establishing a micro-urgent care center (MUCC) for underserved populations in rural Texas, proposed a go-to-market strategy for the new MUCC, and determined financial break-even point and projected 5-year revenues for this project
* Created analytics tool using Geographic Information Systems (GIS) data to determine optimal MUCC location selection
* Led team of 3 students in the project approach and mediated weekly Zoom meetings with client and professor
* Presented comprehensive business plan to client and professor at the end of the course

**Career Development Corporate Ambassador, Rice University** August 2019 – May 2020

* Host major employers for on-campus information sessions and receptions
* Serve as student liaison between the Rice Corporate Relations & Employer Development team and company representatives

**Student Ambassador, Baylor College of Medicine Office of Admissions** August 2016 – June 2020

* Networked with medical school interviewees at 10 interview sessions per year
* Led interviewees on tours of the Texas Medical Center

**Class Representative, Baylor Pediatric Student Association** August 2017 – June 2019

* Coordinated biannual BPSA Shadowing Program connecting 30+ medical students with 35+ pediatric faculty
* Collaborated with faculty to organize 3 educational lectures per semester, serving 20+ attendees at each event
* Corresponded with 50+ volunteers, families, and faculty to organize Fall 2018 “Parents’ Night Out,” an evening for children with genetic disorders to socialize with peers at Texas Children’s Hospital

**Social Chair, Baylor Gynecology and Obstetrics Interest Group** August 2018 – June 2019

* Coordinated 3 networking events for 25+ BCM students, residents, and faculty per semester

**Social Chair, Asian Pacific American Medical Student Association** August 2018 – June 2019

* Organized 1 social event per semester for 20+ students and physician mentors

**Anatomy Buddies, Baylor College of Medicine** August – November 2017

* Designed weekly lesson plans used to tutor first year medical students in anatomy lab
* Held weekly review sessions using dissections, drawings, and practice questions

**COMMUNITY SERVICE**

**Miscellaneous Volunteering Experiences, Baylor College of Medicine,** Houston, TX, 2016 – Present

* Take Me Out to the Ballgame with Baylor Pediatric Student Association
* Parent’s Night Out at Texas Children’s Hospital
* See Test & Treat Cervical Cancer Screening
* Matthew Carter Service Day

**Kidney Koaches**, **Baylor College of Medicine**, Houston, TX January – May 2017

* Volunteer program that pairs BCM students with dialysis patients at Texas Children’s Hospital
* Spend time with Kidney Koach “buddy” 1 hr/week during his / her dialysis time – play games, read together, and assist with homework

**Hope’s Door Inc**, Plano, TX August 2013 – May 2016

* Domestic violence center for women and children; consisted of counseling center and emergency shelter
* Assisted with childcare program; looked after kids while moms were in counseling sessions or out searching for jobs

**WORK EXPERIENCE**

**Summer Consultant, Boston Consulting Group**, Houston, TX June – August 2020

* Enabled health insurance client in agile transformation of operating model, improving the way their customers access care and manage their health journeys
* Using existing client data, created prioritization framework to determine starting point of the op model transformation
* Built excel model to demonstrate financial savings associated with op model transformation
* Led client meetings and presented to senior-level BCG and client executives 2-3x/week
* Skills acquired: client-facing communication, Microsoft PowerPoint, Microsoft Excel

**Student Ambassador, UT Dallas Office of Admission and Enrollment, Richardson, TX** August 2013 – May 2016

* Recruited prospective UTD students through leading campus tours 2x/week for groups of 20+ students and families
* Conducted a total of 140+ tours for 2800+ UTD visitors over 3 years
* Skills acquired: public speaking, presentation skills, leadership, communication

**INTERESTS**

Languages: Mandarin (advanced), Spanish (conversational, medical), Portuguese (beginner)

International travel: visited 25+ countries spread over 6 continents

Business case competitions: Adam Smith Society Case Competition (September 2019), Deloitte Case Competition (November 2019)

Consulting work: Davam Urgent Care, Boston Consulting Group