

EDUCATION

IT Academy

IT Academy - Barcelona Activa

Data Analytics

2024



Universidad de Chile

Master of Science (MSc) in Pharmacology

2022



Hospital Clínic de Barcelona

Professional Training - Population Pharmacokinetics

2019



Pontificia Universidad Católica de Chile

Pharmacy (PharmD)

2009

SKILLS

Clinical and statistical data analysis

Clinical Research

Database Management

Population Pharmacokinetics

Drug Safety

Pharmacovigilance

Clinical Pharmacology

TOOLS

MySQL

Python

PowerBI

NONMEM

R-Project


Stata

LANGUAGES

Spanish

English

Catalan

 Studying level B3 at Consorci per a la Normalització Lingüística.

WORK EXPERIENCE

Academic Instructor

2018 - Present

Facultad de Ciencias Químicas y Farmacéuticas
Universidad de Chile

REMOTE

- Teaching courses in pharmacy practice and clinical pharmacokinetics.
- Mentoring students in research projects.

Academic Advisor

2017 - Present

Facultad de ciencias medicas
Universidad San Sebastian

REMOTE

- Provided academic advising to students in pharmacy .
- Guide to students in research.
- Teaching courses in pharmacology in critical care.

Pharmacy Coordinator and Technical

2022 - 2024

Nou Hospital Evangèlic

BARCELONA

- Manage logistics and medication processes within the pharmacy service.
- Documentation and processes for ISO 9000:2015 accreditation.

Critical Care Pharmacist

2015 - 2022

Hospital Clínico Universidad de Chile

SANTIAGO DE CHILE

- Medication therapeutic management of ICU patients.
- Clinical Pharmacokinetics specialist.
- Drug safety surveillance.

Study Coordinator

2021 - 2022

Hospital Clínico Universidad de Chile

SANTIAGO DE CHILE

- Coordinate patient recruitment for clinical trials.
- Maintain clinical data from source documents to eCRFs.
- Support in adverse event notification process (AE/SAE).
- Assist in creating standardized operating procedures.
- Develop, update, and trace safety databases.

Analyst of Pharmacovigilance & Regulatory Affairs

2014 - 2015

AstraZeneca

SANTIAGO DE CHILE

- Reception, evaluation, and notification of serious adverse reactions.
- Patient Safety Manager: (PSUR, DSUR, Reporting).
- Review of safety sections in trial protocols and investigator manuals.
- Development of Safety Management Plans.

Critical Care Pharmacist & Drug Safety Specialist

2010 - 2014

Clínica Alemana de Santiago

SANTIAGO DE CHILE

- Pharmacotherapeutic monitoring of patients in the ICU service.
- Continuous training for physicians and nurses.
- Standardize pharmacotherapeutic processes and support in management.
- Reception, evaluation, and notification of serious adverse reactions.
- Maintenance of pharmacovigilance circuit traceability.

ADDITIONAL EXPERIENCE

2022 **Critical Care Program Coordinator** Facultad de Medicina, Universidad de Chile

2014-2018 **Intravenous Therapy Consultant** 3M Health Care, Chile

2015 **Clinical Pharmacist – Consultant** Hospital del Trabajador de Santiago, Chile

PUBLICATIONS

- Bastida C, Hernández-Tejero M, **Cariqueo M**, Aziz F, Fortuna V, Sanz M, Brunet M, Fernández J, Soy D. Tigecycline population pharmacokinetics in critically ill patients with decompensated cirrhosis and severe infections. *J Antimicrob Chemother.* 2022 (18): 1365-1371.
- Romero C, Buggedo G, **Cariqueo M**, Rojas V, Luengo C, Tobar E. 2021. "[Analgesia, Sedation, Neuromuscular Blockade and Delirium Management Practices in Chilean Intensive Care Units]." *Revista Médica de Chile.* 2021 (6): 864-872.
- Escobar L, González C, Amador R, Amador J, **Cariqueo M**, Rosales R. "Consensus about the Duties of Pharmacists in Intensive Care Units in Chile." *Revista Médica de Chile.* 2018 (12): 1452-1458.
- Leguina-Ruzzi A, **Cariqueo M**, and Gálvez R. "Three Years after the REDOXS Study: What We Have Learned in the Use of Glutamine in ICU Patients?" *Critical Care and Shock.* 2017; 20 (2): 21-23.
- Cariqueo M**, Gutiérrez T. Primer sistema de categorización de pacientes según riesgo farmacoterapéutico. *Revista Chilena de Medicina Intensiva.* 2015; 30 (2): 61-66.
- Rojas C, Nervi O, Amador R, **Cariqueo M**, Riquelme P. DRESS syndrome: skin rash, fever and acute hepatitis associated to lamotrigine: report of two cases and review of the literature. *Gastroenterol. Latinoam.* 2010; 21 (3): 357-362.

THESIS

- Tigecycline population pharmacokinetic model in patients with decompensated cirrhosis and severe infection. Master's thesis in Pharmacology, 2022.
- Implementation of strategies for appropriate antimicrobial use in a critical care unit within a high complexity hospital. Thesis director. Universidad de Chile, 2016.

RESEARCH PRESENTED

- Population Pharmacokinetics of Tigecycline in Critically Ill Cirrhotic Patients. **Cariqueo M**, Bastida C, Soy D. *ModelBio.* Salamanca (Spain), November 2019.
- Implementing Antimicrobial Stewardship in University hospital. Luengo C, **Cariqueo M**. *37th International Symposium on Intensive Care and Emergency Medicine.* Brussels (Belgium), March 2017.
- Insulin receptor B isoform expression: a new insulin-resistance mechanism in critically ill patients? Luengo C, Guerrero J, **Cariqueo M**. *37th International Symposium on Intensive Care and Emergency Medicine.* Brussels (Belgium), March 2017.

RESEARCH AND DEVELOPMENT PROJECTS

- An international survey on aminoglycoside practices in critically ill patients: the AMINO III study. *Ann Intensive Care.* 2021 Mar 19;11(1):49.
- New Pathogenic Mechanisms in Sepsis: Expression of IRS B in Septic Patients. Funding: OAIC - Hospital Clínico Universidad de Chile. 2018 - 2019.
- Monitoring and Therapeutic Optimization of Drugs (Farm-Kinetic Network). U-Redes Program. Universidad de Chile. 2016 - 2018.