



Daniel Sebastián
Parra González

Email:
danse1434@hotmail.com
Website:
danse1434.github.io
Phone number:
+031 316 751 4484

Address
Cra. 55C No. 159-59
Int 33
Bogotá, Colombia

Daniel Sebastián Parra González

Pharmacist

About Me Pharmacist with experience in hospital and pharmaceutical industry, with the will to bring solutions to prestigious companies within the health care sector.

Education

2017 - 2022, Universidad Nacional de Colombia

Master of Science - Pharmacology.

Thesis: Population pharmacokinetics in the empirical management of infections in patients with hematological malignancies and post-chemotherapy febrile neutropenia

2009 - 2014, Universidad Nacional de Colombia

Pharmacist

2008, Colegio Colombo Británico

Academic bachelor

Experience

Mar 2021 - Jun 2022, Contractor, Fondo Nacional de Estupefacientes

Contractor Investment Project Misión PRI

Activities

- Analysis of factors that affect the demand for state monopoly drugs, judgemental and statistical forecasting.
- Generation of forecasts and decision rules to optimize production quantities with inventory decision models.
- Operations research about variables that controls the demand of distributors nationwide: costing, pricing, lead time analysis, market share, and budgeting.
- Design, application and analysis of surveys in distributors at country level as a diagnosis of needs in terms of medicinal products.
- Software development (web applications) with deployment of models for planning and activity scheduling for manufacturing and importation of medicinal products.

Jul 2019 - Nov 2019, Contractor, Fondo Nacional de Estupefacientes

Pharmacovigilance Program Leader.

Activities

- Identification and analysis of adverse drug-related events.
- Product utilization and safety studies.
- Review, monitoring and analysis of drug alerts.
- Implementation of a Document Management System for the pharmacovigilance program.
- Pre-contractual management and supervision of contracts.

Oct 2014 - Dic 2017, Pharmacist, Fundación Hospital de la Misericordia

Leader in the area of pharmacovigilance and safe use of medications. Member on the Antimicrobial Stewardship Program. Responsible for the elaboration of unit doses at the sterile compounding area.

Activities

- Identification and analysis of adverse events related to medications.



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- Responsible for the provision of "public health" medicines.
- Responsible for the service-teaching agreement with the pharmacy department of Universidad Nacional de Colombia.
- Quality control of good manufacturing practices of medical gas supply system.
- Elaboration and quality control of sterile and non-sterile compounded formulations.

Feb 2016 - Dic 2017, *Teaching Assistant, Universidad Nacional de Colombia*

Responsible for monitoring, consulting, and evaluating activities for students in the hospital pharmacy course I: rotation at Medicine Online Information Center of Universidad Nacional de Colombia (CIMUN).

Activities

- Coordination, receipt and presentation of consultations to external clients of the center.
- Participation in the editorial group of CIMUN website.

Feb 2014 - May 2014, *Regulatory Analyst, Aristizabal & Jiménez Abogados*

Responsible for regulatory advice on medical devices and medications to clients.

Activities

- Preparation of health registration applications, modifications, authorizations, and certificates.
- Report of serious adverse events.
- Review of advertising projects according to regulatory requirements.
- Customer advice.

Ene 2013 - Dic 2013, *Hospital pharmacy intern, Fundación Hospital de la Misericordia*

Responsible for meeting the objectives outlined in the course program and implementation of the Medicines Reconciliation process in Emergencies Department.

Activities

- Implementation of pilot plan, training of medical personnel, reporting of errors during care interfaces; preparation and quality control of sterile and non-sterile magistrates, confirmation of orders, EAM report.
- Pharmacotherapeutic follow-up to pediatric patients in Epilepsy Department, Adverse Drug Events report, conditioning and quality control in the CSP area. Inventory control in central pharmacy and surgery rooms, preparation of proposals to optimize storage.

Presentations

2018, *Poster, CLABI Latin-American Bioimpedance Congress (Manizales)*

Participation in Poster: Muscle Mass Index of Patients on Chronic Hemodialysis, by three Bioimpedance Methods.

2017, *Poster, XIV Encuentro Internacional de Farmacovigilancia de las Américas (Bogotá)*

Presentation of Poster: 20 years of CIMUN at the Service of the Rational Use of Medicines.



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Publications

[1] Álvarez JC, Cuervo SI, Silva E, Díaz JA, Jiménez LL, Parra DS, et al. Pharmacokinetics and Pharmacodynamics of Cefepime in Adults with Hematological Malignancies and Febrile Neutropenia after Chemotherapy. *Antibiotics* 2021;**10**:504. <https://doi.org/10.3390/antibiotics10050504>.

[2] Parra González D, Pérez Mesa JA, Cuervo Maldonado SI, Díaz Rojas JA, Cortés JA, Silva Gómez E, et al. Pharmacokinetics of Vancomycin among Patients with Chemotherapy-Associated Febrile Neutropenia: Which Would Be the Best Dosing to Obtain Appropriate Exposure? *Antibiotics*. 2022;**11**:1523.

Software Skills

Programming

- | | | |
|-------|--------|--------------|
| ○ R | ○ C++ | ○ Python |
| ○ VBA | ○ Stan | ○ Javascript |

Software

- | | | |
|------------|-----------|-----------------------------------|
| ○ MS Excel | ○ MS Word | ○ L ^A T _E X |
| ○ Markdown | ○ Git | ○ Monolix |
| ○ ADAPT-V | ○ PFIM | ○ PK-Sim |

Honors and Awards

Dec 2020, Meritorious Thesis: Master of Science - Pharmacology, Department of Pharmacy, Universidad Nacional de Colombia

Meritorious distinction for the Master of Science in Pharmacology thesis entitled *Population Pharmacokinetics in the empirical management of infections in patients with hematological neoplasms and post-chemotherapy febrile neutropenia*

Feb 2016, Teaching assistant, Department of Pharmacy, Universidad Nacional de Colombia

Recognition is received with *Teaching Assistant Scholarship*.

Dic 2015, First Place EFI-CIENCIAS Test, Facultad de Ciencias Universidad Nacional

First place in test for the Pharmacy Faculty.

Non-Formal Education

2022, Course on Stochastic Optimization - Universidad Nacional de Colombia (Bogotá D.C.).

2022, Non-compartmental Analysis, Bioequivalence & Beyond Spring School with PKanalix™ virtual course. - Lixoft (Online).

2022, Pharmacometrics Spring School: Modeling & Simulation using Monolix-Suite virtual course. - Lixoft (Online).

2021, Sample-based Learning Methods - Coursera (Bogotá D.C.).

2020, Fundamentals of Reinforcement Learning - Coursera (Bogotá D.C.).

2020, DS4A/Colombia 3.0: Graduated with Honors and Outstanding Individual Achievement - Correlation One (Bogotá D.C., Aug-2020 a Nov-2020).

2019, Pharmacovigilance Good Practice Course with a focus on Risk Management (Bogotá D.C., 26-sep-2019).



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2018, Attendance to Colombian Congress of Metabolism and Clinical Nutrition Version 32(Bogotá D.C.).

2017, Participation XIV International Meeting of Pharmacovigilance and IV National Meeting of Pharmacovigilance (Bogotá D.C.).

2016, Curso SIDP Antimicrobial Stewardship - A Certificate Program for Pharmacists (2016). Phases I and II.

2015, Attendance to VI International Symposium on HAI: Antimicrobial Stewardship (Bogotá D.C.).

2012, Attendance to 58th IPSF (International Pharmaceutical Students' Federation) World Congress (Hurghada, Egypt).

Languages

Spanish

Native

English

Advanced

Skills

- Motivation
- Initiative
- Dedication
- Creativity
- Responsibility