

Dr. Mary K. Nazzal, Pharm.D., BCSCP

Co-Owner and Director of Field Operations, Critical Compounding Resources, LLC

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PROFESSIONAL OBJECTIVE

My professional objective is to advance pharmacy practice by utilizing the knowledge and skills I have obtained through instruction, practice, and continuing education to promote patient quality and safety and prevent negative effects on their treatment experience and outcome.

QUALIFICATIONS PROFILE

United States Registered Pharm.D. Pharmacist with over 19 years of progressive and diverse hospital pharmacist experience, including administrative, inpatient pharmacy, de-centralized pharmacy, and operating room, with a special interest in Sterile Compounding.

- Proficient in USP <795>, USP <797>, USP <800> and USP <825> standards as well as best practices for sterile compounding
- Excel in forming professional relationships with pharmacy teams, architects, engineers, project managers, physicians and other hospital/facility staff members, resulting in increased efficiencies and a pleasurable work environment
- Exceptional organization and multi-tasking skills that ensure quality
- Excellent communication, motivation, team building and mentoring skills
- Exceptional knowledge of hospital, IV room and operating room procedures
- Experience with MS Office products, Salesforce, Harvest, Teamwork, Certify, Cerner/Epic/SCM health information systems, and pharmacy/hospital management systems including but not limited to Pyxis, Omnicell, Pharmogistics, MedBoard, Abacus/Baxa PN Compounder, Repeater pumps, Alaris pumps, RL Solutions, Vocera, Pharmacy Keeper, BD Logistics and Simplifi 797

CERTIFICATIONS/TRAINING

- FDA Quality Management Systems, October 2022
- FDA Investigations and CAPA Course, April 2022
- FDA Cleanroom Course, April 2021
- Board Certified Sterile Compounding Pharmacist, BCSCP, December 31, 2019, to December 31, 2026, Credential# B12100421
- CriticalPoint, Environmental Monitoring Certificate, Feb. 2019
- Purdue University Nuclear Pharmacy Certificate Program, August 10, 2018
- CriticalPoint's QP503A®, June 2018

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- ASHP Sterile Product Preparation Training and Certificate Program: Step 1, Completed November 27, 2017
- ASHP Advanced Sterile Product Preparation Training and Certificate Program: Step 1, Completed December 15, 2017
- Critical Point's Sterile Compounding Boot Camp Certificate of Completion, May 2013, repeated in Oct. 2017
- Crucial Conversations Certificate of Completion, 2013

PRESENTATIONS/WORKSHOPS/ORGANIZATIONS

- Defining New Compounded Sterile Preparation Categories and Beyond Use Dates, May 2023
- Member of the ASHP Section of Inpatient Care Practitioners Section Advisory Groups: Compounding Practice, August 2022
- The State of Hazardous Drug Handling, July 2022
- Exam writer for BCSCP, Board of Pharmacy Specialties, May 2022
- Controlled Environment Testing Association, Member, April 2022
- Parenteral Drug Association, Member, October 2021
- COVID-19 Vaccines and Emergency-Use Authorization Medications Preparation, Presenter, April 2021
- Best Practices for Non-HD Nonsterile Compounding Webinar, Presenter, March 2021
- Mitigation Strategies for Shortages in 503A Pharmacies, Presenter, September 2020
- Field tester for ASHP Intensive Studies for Recertification for Board Certified Sterile Compounding Pharmacists (BCSCPs), since July 2020
- American Society of Health-System Pharmacists (ASHP), Member, 2017
- What you need to know about USP 797 standards: Compounding Sterile Preparations, Cleveland Clinic Abu Dhabi, Presenter, May 3, 2016
- Implementing USP <797> and USP <800> two-day training workshop in Oman, Presenter, Dec. 2015
- Cleveland Clinic Abu Dhabi Experience in Establishing the "Sterile Preparation Center" from Design to Operation, IVPN Symposium, United Arab Emirates, Presenter, Nov. 21, 2015
- Creating a High-Quality Sterile Preparation Center, 5th Pharmaceutical Care Conference, Oman, Presenter, Feb. 11, 2015
- Introduction to USP Chapter <797>, Compounding Sterile Preparations, Medication Safety and Best Practice Symposium, Al Baraha Hospital, Presenter, October 29-30th 2013

EDUCATION

Butler University, College of Pharmacy and Health Sciences
Indianapolis, Indiana, USA
PharmD Degree
Graduated May 2004

LICENSING

Licensed as a pharmacist (PharmD) in the state of Indiana
License Number 26021483A
July 2004-Present

Licensed as a pharmacist (PharmD) in the state of Illinois
Sept 2016-Present

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License Number 051.299873

PROFESSIONAL EXPERIENCE

PRINCIPLE AND DIRECTOR OF FIELD OPERATIONS

Critical Compounding Resources, LLC

July 1, 2022-present

Carmel, IN USA

FEIN: 88-2867806

Manage the maintenance and distribution of materials; coordinate dissemination and collection of documents; track assessments and administer surveys to gather qualitative data; oversee daily operations and quickly resolve issues as they arise. Utilize independent judgment, strong initiative and decision-making skills. Develop real-time reporting and metrics trending through web-based applications to ensure clear performance visibility.

Implements and manages short and long-term plans, programs, and practices. Provide customer service to all stakeholders. Coordinates with partners and sub-contractors to establish client schedules and activities and maintain communication regarding clients. Assists with client interventions and addresses any grievances or complaints from the clients and staff. Directs and implements suggested and/or required changes. Lead and inspire the team to ensure a high level of engagement and exceptional individual service style.

Perform USP Chapter <795>, <797>, <800> and <825> gap analysis for clients to ensure compliance with the chapters as well as provide best practice recommendations. Assist with sterile compounding facility design development and review construction documents to ensure compliance with regulatory standards and guidance and provide best practice recommendations. Perform on-site aseptic training for sterile compounding personnel. Develop and maintain report templates utilized.

INPATIENT PART-TIME PHARMACIST

Ascension St. Vincent Carmel

Nov 2022-present

Carmel, IN USA

Responsibilities include reviewing pharmacy orders for accuracy, interacting with nurses and physicians to achieve appropriate pharmaceutical care, using appropriate references to research pharmacy-related questions, working with patients, physicians and nurses to educate them and answer any questions they may have and overseeing technician duties. This position provides the opportunity to work with many different pharmacy technology programs, including but not limited to SCM, Pyxis, BD Logistics, Pharmacy Keeper and CAPS and helps to maintain knowledge of medications and allows me to continue building my skills with sterile compounding through working in a new environment with a cleanroom.

DIRECTOR OF FIELD OPERATIONS

Kastango Consulting Group, a TRC Healthcare Company

Feb 2021-present

Wayne, New Jersey, USA

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Managed the maintenance and distribution of materials; coordinated dissemination and collection of documents; tracked assessments and administered surveys to gather qualitative data; oversaw daily operations and quickly resolved issues as they arose. Utilized independent judgment, strong initiative, and decision-making skills. Developed real-time reporting and metrics trending through web-based applications to ensure clear performance visibility.

Implemented and managed short—and long-term plans, programs, and practices. Provided customer service to all stakeholders. Coordinated with staff to establish client schedules and activities and maintained communication with staff regarding clients. Assisted with client interventions and addressed any grievances or complaints from the clients and staff. Directed and implemented suggested and/or required changes. Led and inspired the team to ensure a high level of engagement and exceptional individual service style.

Performed USP Chapter <797>, <800> and <825> gap analysis for clients to ensure compliance with the chapters as well as provide best practice recommendations. Assisted with sterile compounding facility design development and reviewed construction documents to ensure compliance with regulatory standards and guidance and provided best practice recommendations. Performed on-site aseptic training for sterile compounding personnel. Developed and maintained report templates utilized. Assisted CriticalPoint (CP) (our sister company) with standard operating procedures and eLearning development and review. Taught Quality Control and Quality Control lecture for CP.

ASSOCIATE DIRECTOR OF FIELD OPERATIONS

Kastango Consulting Group (Registered as Clinical IQ, LLC)
Wayne, New Jersey, USA

Sept 2017-Feb 2021

Performed USP Chapter <797>, <800> and proposed <825> gap analysis for clients to ensure compliance with the chapters as well as provide best practice recommendations. Assisted with sterile compounding facility design development and reviewed construction documents to ensure compliance with regulatory standards and guidance and provided best practice recommendations. Performed on-site aseptic training for sterile compounding personnel. Developed and maintained report templates utilized by Kastango Consulting Group.

INPATIENT PHARMACIST-PRN

Indiana Spine Hospital
Carmel, IN, USA

July 2017-Aug 2017

A surgery center that opened in August 2017. Responsibilities included assuring compliance with regulations and guidelines including but not limited to USP 797, setting up Omnicell's and current pharmacy system QS1, building Cerner, which went live in 2018, as well as reviewing pharmacy orders for accuracy, interacting with nursing and physicians to achieve appropriate pharmaceutical care, using appropriate references to research pharmacy-related questions, work with patients, physicians and nurses to educate them and answer any questions they may have.

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INPATIENT PHARMACIST

Edward-Elmhurst Hospital
Naperville, IL, USA

Nov 2016-May 2017

Responsibilities included reviewing pharmacy orders for accuracy, interacting with nurses and physicians to achieve appropriate pharmaceutical care, using appropriate references to research pharmacy-related questions, work with patients, physicians and nurses to educate them and answer any questions they may have and oversee technician duties. This position provides the opportunity to work with many different pharmacy technology programs, including but not limited to Epic, Pyxis, Pharmogistics, and CAPS and helps to maintain knowledge of medications and allowed me to continue building my skills with sterile compounding through working in a new cleanroom environment.

PHARMACIST

Cleveland Clinic Abu Dhabi Hospital
Abu Dhabi, UAE

Feb 2012-May 2016

Senior Pharmacist/Sterile Preparation Specialist: Project team for building of Epic health information system, which included build, validation and user acceptance testing, experienced in Pyxis automated dispensing machines, Carousel/Pharmogistics Inventory, Medboard tracking system, Abacus/Baxa PN Compounder (responsible for implementation), Particle monitoring software (responsible for implementation), Repeater pumps (responsible for implementation) and Simplifi 797 (responsible for implementation). Developed required workflows, policies, and procedures to ensure patient safety and compliance with regulatory requirements for the pharmacy department. Attended/presented at policy committee approval meetings with directors and C-Suite members. Membership in several committees, including Wellness, Environment of Care, and Code Committee. Responsible for the implementation of the Sterile Preparation Center. Ensured compliance with USP <797> for compounding sterile preparations by developing workflows, policies, procedures and training. Trained and supervised pharmacists and technicians working in a sterile preparation center. This position provided a great amount of growth by increasing my knowledge of pharmacy practice from the ground up, advancing my sterile compounding knowledge, and working with pharmacists from all over the world.

PHARMACIST

Clarian North Hospital
Carmel, Indiana

Dec 2005-July 2010

Operating Room Pharmacy: Collaborated in the development of an operating room pharmacy. Partnered with anesthesiologists, surgeons, and nurses to develop a system for meeting medication needs in the OR. Responsible for monitoring patient allergies, renal function, and weight to ensure appropriate dosing in the OR. Assure that OR antibiotic dosing guidelines are met. Prepare medications

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for each surgery based on the needs of the procedure. Monitor physician narcotic usage and waste. Responsible for supervising technicians responsible for preparing IVs, reconciliation and charging of medications. This position has provided skill development for managing a different aspect of a pharmacy.

Inpatient Pharmacy: Responsibilities included reviewing pharmacy orders for accuracy, interacting with nurses and physicians to achieve appropriate pharmaceutical care, using appropriate references to research pharmacy-related questions, work with patients, physicians and nurses to educate them and answer any questions they may have and oversee technician duties. This position provides the opportunity to work with many different pharmacy technology programs and to maintain knowledge of medications that are not commonly used in the OR.

PHARMACIST

Clarian, University Hospital

Indianapolis, Indiana

June 2004- Mar 2006

Inpatient and Satellite Pharmacy: Responsibilities included reviewing pharmacy orders for accuracy, interacting with nurses and physicians to achieve appropriate pharmaceutical care, using appropriate references to research pharmacy-related questions, work with patients, physicians and nurses to educate them and answer any questions they may have and oversee technician duties. Worked closely with liver transplant and hematology/oncology patients in this position.

PHARMACY INTERN/TECH

Clarian, University Hospital

Indianapolis, Indiana

Mar 1998-May 2004

Inpatient Pharmacy: Responsibilities included preparing intravenous admixtures using aseptic technique. Also responsible for filling, checking for completeness and medication delivery to patient units.

Operating Room Pharmacy: Prepared medications for anesthesia and surgery according to daily scheduled surgeries. Inventory narcotics and prepared aseptic IVs on-demand.

Outpatient Pharmacy: Responsibilities included entering data and filling new and refilled prescriptions. Provided patient counseling.

PHARMACY TECH

PRN Homecare Pharmacy

Indianapolis, Indiana

July 1996-March 1998

Responsibilities included packaging medications for long-term care facilities and managing controlled substances. Inventory management, which included ordering, stock and returns.