

Specialized pharmacy services: from compounding to medication therapy management.

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Introduction

Pharmacies play a vital role in the healthcare ecosystem, serving as a crucial link between patients and healthcare providers. Over the years, the role of pharmacies has evolved significantly, moving beyond the conventional dispensing of medications. Today, specialized pharmacy services have emerged, encompassing a wide array of practices, including compounding and medication therapy management (MTM). This article explores these specialized services, highlighting their importance, benefits, and impact on patient care [1].

Compounding is a traditional pharmaceutical practice that involves the preparation of customized medications to meet the unique needs of individual patients. While mass-produced medications cater to a vast majority of patients, there are cases where personalized formulations are necessary. Compounding pharmacies offer solutions for patients with allergies, sensitivities, or those requiring specific dosages that are not commercially available. Furthermore, compounding provides an avenue for pediatric patients who need medications in liquid form or individuals who have difficulty swallowing pills. Specialized compounding services empower pharmacists to collaborate with healthcare providers in tailoring medications, enhancing treatment outcomes, and addressing patient-specific challenges [2].

Medication therapy management is a patient-centered service aimed at optimizing drug therapy outcomes. With the increasing complexity of medical regimens, polypharmacy, and chronic conditions, the potential for medication-related problems has risen. MTM involves a comprehensive review of a patient's medications by pharmacists, identifying potential issues, and devising strategies to improve therapy outcomes. This specialized service includes medication reconciliation, patient education on proper medication usage, and close monitoring of adverse effects and drug interactions. Through MTM, pharmacists collaborate with patients and healthcare teams to improve medication adherence, reduce adverse events, and ultimately enhance patient quality of life [3].

The incorporation of specialized pharmacy services offers numerous benefits for patients, healthcare providers, and the healthcare system as a whole. Personalized compounding allows patients to receive tailored medications, promoting adherence and overall treatment success. Patients who previously struggled with standard formulations can now

access drugs in easier-to-take forms, increasing treatment compliance. Furthermore, specialized pharmacy services facilitate better communication between pharmacists and healthcare providers, fostering a multidisciplinary approach to patient care. This collaboration leads to optimized drug regimens, reduced medication errors, and improved health outcomes [4].

The implementation of specialized pharmacy services has shown a significant positive impact on patient care and outcomes. Patients receiving compounded medications have reported higher satisfaction rates due to the personalized attention and treatment effectiveness. Additionally, medication therapy management interventions have been linked to reduced hospitalizations, emergency room visits, and healthcare costs. By ensuring patients take their medications correctly, MTM contributes to better disease management, preventing disease progression and complications. Moreover, the expertise of pharmacists in providing medication-related education helps patients make informed decisions about their health, leading to increased empowerment and self-management [5].

Conclusion

Specialized pharmacy services, encompassing compounding and medication therapy management, have transformed the pharmaceutical landscape, enriching patient care and overall health outcomes. Compounding allows pharmacists to tailor medications to individual needs, catering to patients with unique requirements. On the other hand, medication therapy management optimizes drug therapy by identifying and resolving medication-related issues, fostering patient engagement in their treatment journey. By embracing these specialized services, healthcare providers can empower patients to achieve better health, making personalized care a cornerstone of modern pharmacy practice. As the field of pharmacy continues to evolve, these services will remain instrumental in delivering patient-centered and outcome-driven care in the years to come.

References

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Received: 02-Aug-2023, Manuscript No. AAJCRP-23-108800; Editor assigned: 03-Aug-2023, PreQC No. AAJCRP-23-108800 (PQ); Reviewed: 17-Aug-2023, QC No. AAJCRP-23-108800; Revised: 22-Aug-2023, Manuscript No. AAJCRP-23-108800 (R); Published: 31-Aug-2023, DOI:10.35841/aaajcrp-6.4.164

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