Development of a Pharmacy Collaborative Practice Agreement to Improve Efficiency and Management of Prescribing in a Renal Transplant Clinic

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There are no financial relationships with commercial interests to disclose.

AND

This presentation does not include discussion of off-label or investigational use.
Development and Initiation of a Pharmacy Collaborative Practice Agreement

- Transplant Pharmacy started in July 2015
- Pharmacy Services embedded a clinical pharmacist in the Renal Transplant Clinic to help convert patients to using the Transplant Pharmacy, provide medication management, and relieve nurse and provider burden with refill requests
- A second pharmacist was added in December 2016
TN Pharmacists Association and TN Medical Association finalized legislation approving collaborative pharmacy practice agreements (CPPAs)

Vanderbilt Renal Transplant Clinic & Vanderbilt Transplant Pharmacy developed a CPPA

Vanderbilt University Medical Center (VUMC) Pharmacy, Therapeutics, & Diagnostics Committee and VUMC Medical Board approved proposed CPPA

VUMC legal department defined the CPPA and auditing requirements

TN Board of Pharmacy and the TN State Attorney General approved the CPPA

CPPA initiated in the VUMC Renal Transplant Clinic
Development and Initiation of a Pharmacy Collaborative Practice Agreement

- What does the Renal Transplant CPPA allows Pharmacists to do?
  - Refill any non-controlled medication that is being prescribed by a renal transplant physician if the patient has been seen by the provider within the past 12 months
  - Send in scripts for new medications or dose adjustments as documented in patients’ electronic medical records
  - Refills may be prescribed by the pharmacist for up to one year
  - Pharmacists may discontinue & taper medications per protocol
• 319 patients included
• 2,349 prescriptions reviewed during study
• Immunosuppressant refills authorized by pharmacists increased to 85% after CPPA initiation
Development and Initiation of a Pharmacy Collaborative Practice Agreement

- Reduced physician & nurse workload

- Increased internal pharmacy prescription volume

- CPPA

- Decreased workload for pharmacy, growth from 8 to 24 team members

- No safety concerns reported in quarterly reviews

- Streamlined process from prescribing to dispensing
  - Pharmacists help facilitate financial assistance & other medication barriers

- Close medication monitoring for complex drug regimens by clinical pharmacists

- Physicians and nurses have more time to focus on direct patient care

- Transplant Pharmacy growth from 8 to 24 team members

- Over 11,000 scripts filled by the Transplant Pharmacy in April 2019

- Currently filling medications for over 1,100 renal transplant patients
Development and Initiation of a Pharmacy Collaborative Practice Agreement

• 2018 Patient Reported Outcomes
  • Over 99% of patients reported they were “satisfied” or “extremely satisfied” with the services provided by the Transplant Pharmacy.
  
  • Over 99% of patients reported they received services in a timely manner, their needs were met, and that overall communication with the Transplant Pharmacy was effective.

• CPPA Safety Outcomes
  • Monthly audits are performed by each physician on 5% of their patients covered under the CPPPA
  
  • Quarterly audit reviews are held by collaborating pharmacists, the clinic medical director, and pharmacy administration
  
  • No safety concerns have been identified
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