



LESS LUMENS = LESS RISK

MFH/VAST/PHARMACY COLLABORATIVE

Objective: To increase use of single lumen PICCs over multi-lumen devices.

Plan:

1. MFH physician orders single lumen PICCs as default. Multi-lumen PICC orders restricted to these indications.
2. VAST reviews multi-lumen PICC orders. If not clearly indicated based on these indications, VAST will call the Pharmacy PICC team at pager #35815. If there is no response from pager #35815 after 60 minutes, VAST should then call the first contact (covering attending physician) to further discuss appropriateness of the multi-lumen PICC.
3. PICC pharmacy team (carrying pager #35815) will review the order for the multi-lumen PICC and contact the ordering provider to discuss the appropriateness of the multi-lumen PICC. Where appropriate, pharmacy may recommend adjustment or re-timing of medications to reduce multi-lumen PICC burden.
4. PICC Pharmacy team is responsible to ensure both VAST and the ordering provider are aware of the outcome of the discussion. Should the provider agree with a change to a single lumen device, the ordering provider will be asked to change the PICC order in MiChart. If placement of the multi-lumen PICC determined to be appropriate, PICC pharmacy team will ensure VAST is notified of this outcome.

Approved indications for Multi-lumen PICC's are as follows:

Continuous vesicant or irritant chemotherapy with additional lumen needs

Double Lumen: (one of the following treatments: IV Tacrolimus, IV Fosarnet, IV Cytarabine or Doxorubicin/vincristine as a combined infusion)

Triple Lumen: Indication for double lumen plus actively receiving blood products

Need for vasopressors

(Continuous use of phenylephrine, vasopressin, dopamine, norepinephrine, epinephrine, dobutamine, milrinone)

Need for simultaneous administration of multiple incompatible medications

Call PICC Pharmacist at #35815 for specific questions regarding MFH patients

[Micromedex Drug Compatibilities](#)(via Clinical Home page-->Micromedex->IV compatibility tab)

TPN PLUS additional lumen needs

Order a single lumen PICC if there are no additional concurrent IV medications anticipated

----- PICCS are not appropriate if anticipated dwell time is <6days.

----- For patients with poor venous access or difficult blood draws and if the anticipated dwell time is >5 days, a single lumen PICC will be advised unless there is also an indication listed above.