

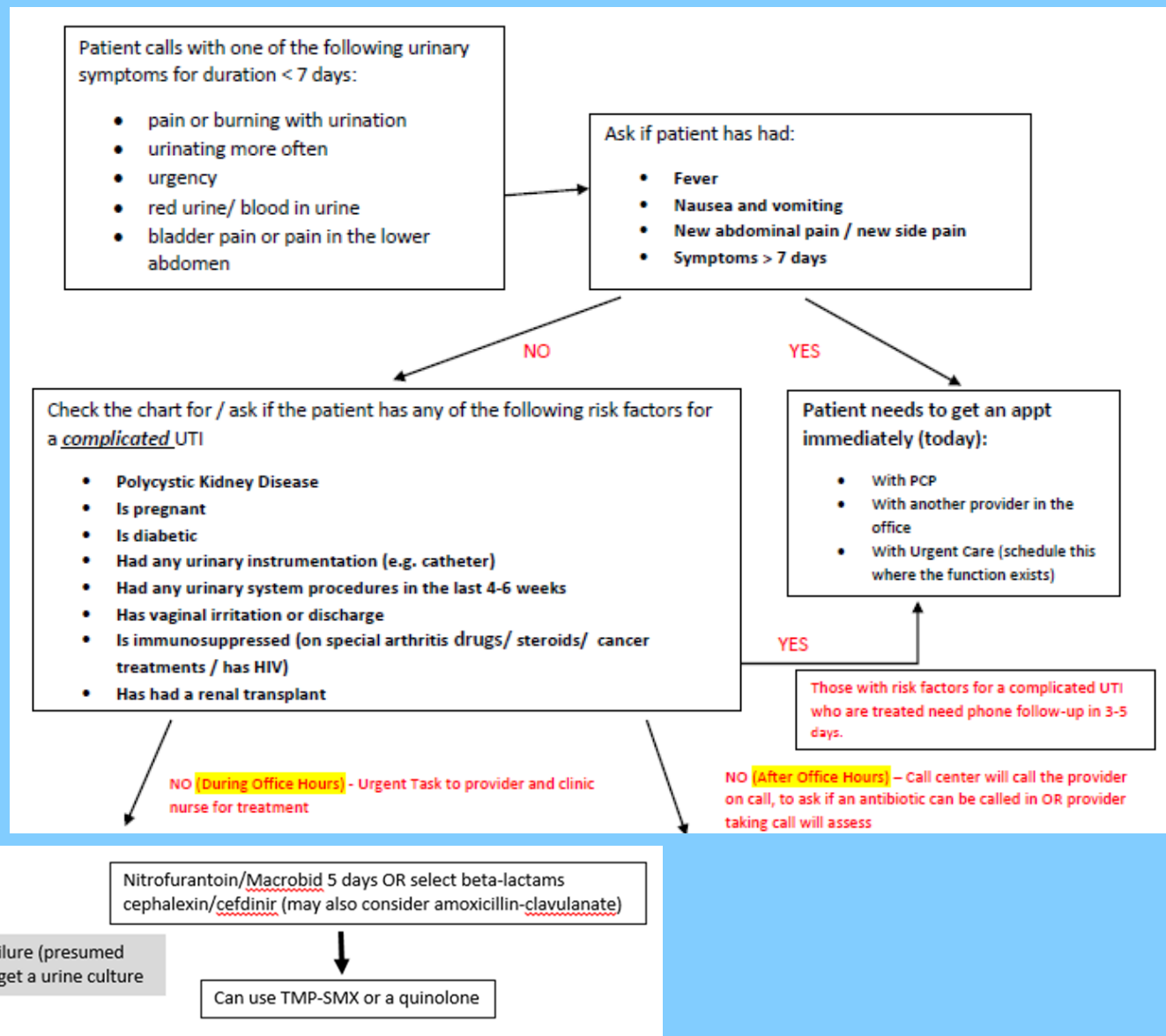


UTI Management

Objective: Same-day treatment for complaints of UTI without utilizing ER on an uncomplicated, non-pregnant female

- 75-95% of UTIs are caused by *E. coli*
- Leukocyte esterase or nitrates on dipstick are most accurate for predicting UTI (sens 75%; spec 82%); however, negative results for both of these **do not** rule out infection when the history is strongly suggestive of UTI.

Algorithm for Treatment of Possible UTI



- Advanced age patients (≥ 60 years) can be treated via phone algorithm, but should have close follow-up due to risk of recurrence.
- Nitrofurantoin is first line and is okay in the elderly if CrCl > 30 ml/min - 5 days therapy; 90-95% efficacy (no documentation of interaction with Coumadin/INR)
- If you cannot use nitrofurantoin, you can use TMP-SMX or a quinolone. Monitor for drug interactions with these agents, especially Coumadin. Monitor for QT interval prolongation with quinolones.