References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.

**Summary**

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**Search Strategy**

1. exp Diagnostic Imaging/ and Pyelonephritis/ (3075)
2. Vesico-Ureteral Reflux/ (8172)
3. Pregnancy/ or Pregnant Women/ or Pregnancy Complications, Infectious/ or Pregnancy Complications/ (868883)
4. Diabetes Mellitus/ (115959)
5. Kidney Transplantation/ (94447)
6. exp Urinary Calculi/ (35237)
7. Urolithiasis/ (2358)
8. Urinary Tract Infections/ (38561)
9. Immunocompromised Host/ (20582)
10. 1 and (2 or 3 or 4 or 5 or 6 or 7 or 8 or 9) (1184)
11. Pyelonephritis/dg (1357)
12. Kidney/dg and pyelonephritis.tw. (424)
13. exp *Diagnostic Imaging/ and Pyelonephritis.tw. (547)
14. Vesico-Ureteral Reflux/dg and pyelonephritis.tw. (113)
15. Diabetes Mellitus/dg and Pyelonephritis.tw. (2)
17. exp Urinary Calculi/dg and Pyelonephritis.tw. (86)
18. Urolithiasis/dg and Pyelonephritis.tw. (7)
19. Urinary Tract Infections/dg and Pyelonephritis.tw. (99)
20. Immunocompromised Host/ and exp Diagnostic Imaging/ and Pyelonephritis.tw. (2)
21. 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 (2019)
22. 10 or 21 (2634)
23. limit 22 to (abstracts and english language and humans and yr="2017 -Current") (64)