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**Upper pole access is safe and effective for pediatric percutaneous nephrolithotomy**

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**Summary****Introduction**

Upper pole access in percutaneous nephrolithotomy (PCNL) provides a straight tract to the ureter, resulting in easier placement of a guidewire to the ureter, good exposure of the pelvis, calices, and upper ureter, and comfortable manipulations. However, despite these benefits, upper pole access is usually avoided because of the risk of chest complications in both pediatric and adult patients.

**Objective**

We aimed to evaluate the safety and morbidity of single upper pole access in pediatric patients undergoing PCNL.

**Study design**

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