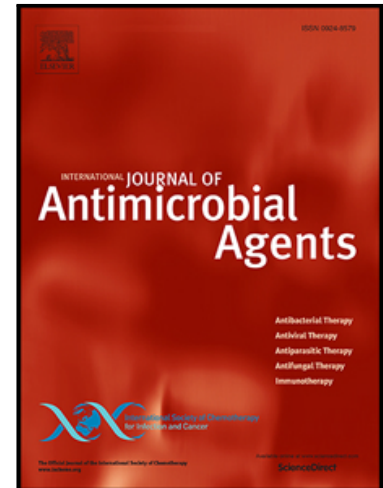


## Accepted Manuscript

Simplification of first-line antibacterial regimen for complicated appendicitis in children was associated with better adherence to guidelines, and reduced use of antibiotics

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PII: S0924-8579(18)30112-2  
DOI: [10.1016/j.ijantimicag.2018.04.010](https://doi.org/10.1016/j.ijantimicag.2018.04.010)  
Reference: ANTAGE 5425



To appear in: *International Journal of Antimicrobial Agents*

Received date: 23 November 2017  
Revised date: 1 April 2018  
Accepted date: 9 April 2018

Please cite this article as: Marion Taleb , Nicolas Nardi , Alexis Arnaud , Nathalie Costet ,  
Pierre-Yves Donnio , Charlotte Engrand , Edouard Habonimana , Eric Wodey , Pierre Tattevin ,  
Simplification of first-line antibacterial regimen for complicated appendicitis in children was associ-  
ated with better adherence to guidelines, and reduced use of antibiotics, *International Journal of  
Antimicrobial Agents* (2018), doi: [10.1016/j.ijantimicag.2018.04.010](https://doi.org/10.1016/j.ijantimicag.2018.04.010)

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**HIGHLIGHTS**

- A switch from aminoglycoside-containing 3-drug regimen to piperacillin-tazobactam as the first-line treatment for complicated appendicitis in children allowed a dramatic reduction of protocols deviation, and antibacterial treatment duration
- No impact was observed on outcomes (post-operative complications, duration of hospital stay)
- Female gender and sepsis or septic shock on admission were the only variables independently associated with post-operative intra-abdominal abscess

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