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Case Control Study

**Clinical prediction of complicated appendicitis: A case-control study
utilizing logistic regression**

Sasaki Y *et al.* Clinical prediction of complicated appendicitis

Yosuke Sasaki, Fumiya Komatsu, Naoyasu Kashima, Takeshi Suzuki, Ikutaka
Takemoto, Sho Kijima, Tadashi Maeda, Taito Miyazaki, Yoshiko Honda,
Hiroaki Zai, Nagato Shimada, Kimihiko Funahashi, Yoshihisa Urita

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Multivariable **logistic regression** was used to explore diagnostic indicators, and ROC analysis was used to assess diagnostic accuracy. Results. ... We selected the formula for calculating sample size for **a case-control study** with exposure ...

Author: Yong Lu, Wujian Ke, Ligang Yang, Zh... **Publish Year:** 2019

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Author: Mohammad Naderan, Amir Eslami Sh... **Publish Year:** 2015

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The results of the multivariable **logistic regression** revealed that neurological symptoms, CSF TPPA titer, CSF protein, CSF WBC were independent predictors of neurosyphilis. In our **study**, CSF TPPA titer had a sensitivity of 90%, a specificity of 84%, and an AUC of 0.941. The diagnostic accuracy was much higher than other three predictors.

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In a retrospective **case-control study** (including 403 children) by Besli et al., **complicated appendicitis** was defined as the presence of perforation or gangrenous appendix, peritonitis or intra-abdominal abscess. 17 Hyponatremia (Na <135 mEq/L) was nonsignificantly associated with **complicated appendicitis** (OR = 1.51, 95% CI:0.92–2.47; Chi ...

Author: Dimitrios Giannis, Evangelia Matenogl... **Publish Year:** 2020

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Logistic Regression. We performed **logistic regression** using clinical outcomes of the evaluable patient population (success or failure) as the dependent variable with a stepwise variable selection procedure. Only two of the independent variables contributed significantly to **prediction of clinical ...**

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Author: Mohammad Naderan, Amir Eslami Sh... **Publish Year:** 2015

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Acute **appendicitis** is among the most common reasons for urgent abdominal surgery in the pediatric



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