

# **Diagnosis of Childhood Pneumococcal Community Acquired Pneumonia by a Rapid Immunochromatographic Urinary Antigen Test**

**Thesis**

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In Clinical and Chemical Pathology

By

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# List of abbreviations

Abbreviation	Description
APPs	Acute phase proteins
ATP	Adenosine triphosphate
BAL	Bonchoalveolar lavage
BAP	Blood agar plate
BPP	Bacteraemic pneumococcal pneumonia
C3	Complement protein 3
CAP	Community-acquired pneumonia
CBC	Complete Blood Count
CDC	Centers for Disease Control and Prevention
CFUs	Colony forming units
CPS	Capsular polysaccharide
CRP	C-reactive protein
CSF	Cerebrospinal fluid
CT	Computed tomography
CWPS	Cell wall polysaccharide
DM	Diabetes mellitus
DNA	Deoxyribonucleic acid
ELISA	Enzyme linked immunosorbent assay
FDA	Food and Drug Administration
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide
HIV	Human immunodeficiency virus
Hs-CRP	High sensitivity assays for C-reactive protein
ICT	Immunochromatographic membrane test
IG	Immature granulocyte
IgA1	Immunoglobulin A1
IL-1	Interleukin-1
IPD	Invasive Pneumococcal Disease
IV	Intravenous
LA	Latex agglutination
LRT	Lower respiratory tract
LytA, B and C	Pneumococcal autolysin A, B, C
MDR	Multidrug-resistance
MIC	Minimal inhibitory concentration
MRSA	Methicillin-resistant <i>Staphylococcus aureus</i>
NPV	Negative predictive value
PAF	Platelet activating factor

## List of abbreviations (Cont.)

Abbreviation	Description
PavA	Pneumococcal adherence and virulence factor A
PCR	Polymerase chain reaction
PCT	Procalcitonin
PCV	Pneumococcal conjugate vaccine
PCV7	Pneumococcal conjugate vaccine 'Heptavalent'
PERCH	Pneumonia Etiology Research for Child Health
PMN	Polymorphonuclear leukocytes
PNSP	Penicillin non-susceptible <i>Pneumococci</i>
PPSV	Pneumococcal polysaccharide vaccine
PPV	Positive predictive value
PPV23	Pneumococcal polysaccharide vaccine (Pneumovax 23®)
PRP	Penicillin-resistance <i>Pneumococci</i>
RBCs	Red blood cells
RSV	Respiratory syncytial virus
<i>S. pneumoniae</i>	<i>Streptococcus pneumoniae</i>
SBI	Serious bacterial infection
SIADH	Syndrome of inappropriate secretion of antidiuretic hormone
SIRS	Systemic inflammatory response syndrome
<i>SP</i>	<i>Streptococcus pneumoniae</i>
TLC	Total leucocytic count
VAP	Ventilator-associated pneumonia
WBC	White blood cells
WHO	The World Health Organization





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# *Introduction*

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## *Aim of the Work*

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# *Review of Literature*

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## *Subjects and Methods*

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# *Results*

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## *Discussion*

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## *Conclusion and Recommendations*

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