

# Antimicrobial Activity of 1HZ ODFWDP OD , QKLELWRU & RPELQD Pseudomonas aeruginosa and (QWHUREDFWHUOHV ZLWK 3QHXPRLD LQ & DUH 8QLWV

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## CONCLUSIONS



7KH QRYHO %/ %/,V UHSUHVHQW YD  
RSWLRQV IRU \*UDP QHJDWLYH SQHX  
FDXVHG ER. aeruginosa and Enterobacterales for  
which limited treatment options were available.

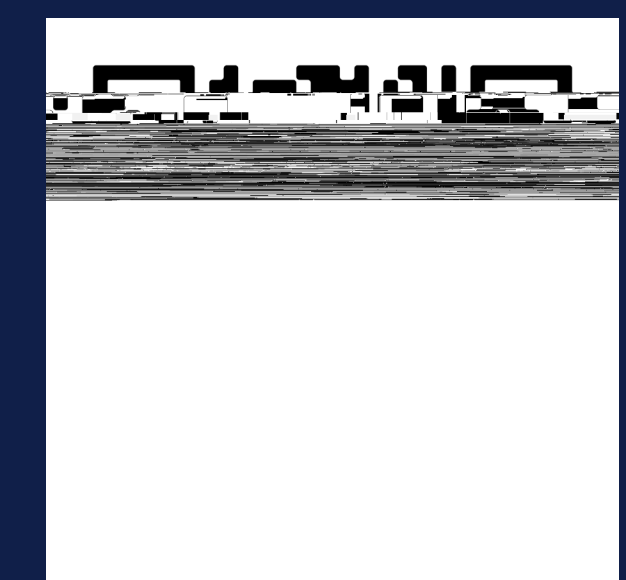


&HIWDJLGLPH DYLEDWDP GHPRQVW  
coverage against P. aeruginosa and Enterobacterales  
and may represent a better option for empiric therapy  
FRPSDUHG WR RWKHU %/ %/,V

### &RQWDFW ,QIRUPDWLRQ \$FNQRZOHGJHPPHQVV

+HOLR 6 6DGHU 0' 3K' ),'6\$  
-0, /DERUDWRULHV  
%HDYHU UHHN &HQWU 6XLWH \$  
1RUWK /LEHU\ , \$  
3KRQH  
)DI  
(PDLO KHOLR VDGHU#MPLODEV FRP

7KH DXWKRUV ZRXOG OLNH WR WKDQN DOO SDUWLFLSDQV RI WKH ,QWHU-  
,1)250 3URJUDPP IRU SURYLGLQJ EDFWHULD LVRODWHV  
7KLV VWXG\ ZDV VXSSRUWHG E\ SEE9LH SEE9LH ZDV LOYROYHG LQ WKH 6  
-0, /DERUDWRULHV UHFHLYHG FRPSHQVDWLRQ IRU SEE9LH E\ HQWU &HQWU  
collection, analysis, or interpretation of data.



### References

- &OLQLFDO DQG /DERUDWRU\ 6MMDEGJED Methods for antimicrobial susceptibility tests for bacteria that grow aerobically; approved standard: eleventh edition. :DAQH 3\$ &/6 ,
- &OLQLFDO DQG /DERUDWRU\ 6MMDEGJED Methods for antimicrobial susceptibility testing; 32nd informational supplement. :DAQH 3\$ &/6 ,
- 0DJLRUDNRV \$3 6ULQLYDVDQ \$ &DUH\ 5% HW DO 0XOWLGUXJ UHT  
UHVLVWQW EDFWHULD DQ LQWHUQDWRULRQDO H[SHUW SURSRQDO IRU LQ  
Microbiol Infect ±  
6DGHU +6 &DVWDQKHLUD 0 0HQGHV 5( )ODPP 5. )UHTXHQF\ DQG  
QHJDWLYH EDFWHULD LVRODWHG IURP SDWLHQWV ZLWK SQHXPRQLD KR  
J Antimicrob Chemother



## INTRODUCTION

- The initial antimicrobial therapy of patients with pneumonia is frequently empirical, and timely and effective antimicrobial therapy is critical to decrease complications and mortality.
- 7KH PRVW SURPLQHQRW JURXS RI QHZ DQWLPLFURELDO DJHQWV ZLWK EURDG VSHFWUXP DFWLYLW\ DUH WKH ODFWDP ODFWDPDVH LQKLELWRU FRPELQDWLRQV %/ %/,V DQG VXFK FRPELQDWLRQV KDYH EHHQ DSSURYHG LQ UHFHQW \HDUV FHIWDJLGLPH DYLEDWDP &\$= \$9, FHIWRORJDQH WDJREDFWDP & 7 PHURSHQHP YDERUEDFWDP 0(0 9\$% DQG LPLSHQHP UHOHEDFWDP ,0, 5(/
- We evaluated the in vitro DFWLYLWLV RI WKHVH %/ %/,V Escherichia (QWHUREDFWHUOHV DQG aeruginosa LVRODWHV UHFHYHUHG IURP ,&8 DQG QRQ ,&8 SDWLHQWV ZLWK SQHXPRQLD LQ 8QLWHG 6WDWHV KRVSLEWDOV

## MATERIALS AND METHODS

- \$ WRWDO RI LVRODWHV LQFOXGLQJ IURP ,&8 DQG IURP QRQ ,&8 SDWLHQWV ZHUH FRQVHFXWLYHO\ FROOHFWHG IURP WKH ORZHU UHVSLEUDWRU\ WUDFW RI SDWLHQWV ZLWK SQHXPRQLD LQ 86 KRVSLEWDOV LQ ±
- 2QO\ LVRODWHV GHWHUPLQHG WR EH VLJQL¿FDQW E\ ORFDO FULWHULD DV WKH UHSRUWHG SUREDEOH FDXVH RI LQIHFWLRQ ZHUH included in the program.
- Organisms were tested for susceptibility by reference broth microdilution methods in a central laboratory DFFRUGLQJ WR WKH FXUUHQW &/6, GRFXPHQWV
- )URJHQ IRUP 0,& SDQHUV ZHUH PDQXIDFWXUHG DW -0, /DERUDWRULHV
- 6XVFHWSWLELOLW\ SHUFHQW DJHV ZHUH EDVHG RQ 86 )'\$ DQG &/6, EUHDNSRLQWV
- 7KH 0(0 9\$% VXVFHWSWLEOH EUHDNSRLQW RI " PJ / IRU (QWHUREDFWHUOHV ZDV DSSOLHG IRU FRPSDULVRQ SXUSRVHV to P. aeruginosa.

## RESULTS

- &\$= \$9, & 7 DQG ,0, 5(/ ZHUH WKH PRVW aetiological agents H7DEOH W DJG DJDX
- &\$= \$9, DQG 0(0 9\$% ZHUH WKH PRVW DFWLYH ODFWDPV DJDLQW