

P·P°CÍC-P± C-P· C€PëCĤPsPePëPj CÍPíPµPeC,CĤPsPj P±P°PeC,PµCĤPëC†PëPrPSPsC— PrC-C—.
In vitro PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS PµC,,PµPeC,PëPIPSPëPNë C%PsPrPs
P±P°PiP°C,CĤPsC... PiCĤP°PjPiPsP·PëC,PëPIPSPëC... C,P° PiCĤP°PjPSPµPiP°C,PëPIPSPëC...
PjC-PeCĤPsPsCĤPiP°PSC-P·PjC-PI.

P·CÍC,P°PSPsPIP»PµPSPs, C%Ps PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS PµC,,PµPeC,PëPIPSPëPNë
C%PsPrPs P±P°PeC,PµCĤC-PNë, CÍC,C-PNëPePëC... PrPs β-P»P°PeC,P°PjPSPëC... C,P°
PjP°PeCĤPsP»C-PrPSPëC... PiCĤPµPiP°CĤP°C,C-PI.

P·P°PeC,PµCĤPëC†PëPrPSP° PrC-CĬ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCÍ
CÍPiCĤPëC†PëPSPµPSP° C-PSPiC-P±CÍPIP°PSPSCĬPj PsP±PsC... C,PëPiC-PI P†P†
C,PsPiPsC-P·PsPjPµCĤP°P·Pë (P°P°P°-PiC-CĤP°P·P° C,P° C,PsPiPsC-P·PsPjPµCĤP°P·P° IV),
PSPµPsP±C...C-PrPSPëC... PrP»CĬ CĤPµPiP»C-PeP°C†C-C—, C,CĤP°PSCÍPëCĤPëPiC†C-C— C,P°
PIC-PrPSPsPIP»PµPSPSCĬ P±P°PeC,PµCĤC-P°P»CĤPSPsC— P°P°P°.

P·PIP°P¶P°CĤC,CĤ, C%Ps PŸ8-PjPµC,PsPeCÍPë P·P°P»PëC€PsPe CÍPiCĤPëCĬC”
PiPsPeCĤP°C%PµPSPSCĤ P°PeC,PëPIPSPsCÍC,C- C,P° P·PSPëP¶PµPSPSCĤ CÍPµP»PµPeC†C-C—
CĤPµP·PëCÍC,PµPSC,PSPëC... PjCÍC,P°PSC,C-PI PiCĤP°PjPiPsP·PëC,PëPIPSPëC...
P±P°PeC,PµCĤC-PNë PiPsCĤC-PIPSCĬPSPs C-P· P·P°P»PëC€PePsPj PŸ8-P°.
P°P°CĬPIPSC-CÍC,CĤ PIPµP»PëPePsPiPs PrPëC†PëPeP»PsP°PjC-PSPsPiPsPiPs P·P°P»PëC€PeCÍ
PI PiPsP»PsP¶PµPSPSC- PŸ-7 P·P°PiPsP±C-PiP°C” P°PeC,PëPIPSPsPjCÍ PIC-PrC,PsPeCÍ,
PiPsPiBĤ™ CĬP·P°PSPsPjCÍ P· PiPµPSP°PjPë norA P°P±Ps pmrA, CĬPeC- PIPëCĬPIP»PµPSPs CÍ
PrPµCĬPePëC... PiCĤP°PjPiPsP·PëC,PëPIPSPëC... P±P°PeC,PµCĤC-PNë.

PĤPsPeCÍPëC,,P»PsPeCÍP°C†PëPS PIPsP»PsPrC-C” P·P°P»PµP¶PSPsCĤ PIC-Pr
PePsPSC†PµPSC,CĤP°C†C-C— P±P°PeC,PµCĤPëC†PëPrPSPsCĤ P°PeC,PëPIPSC-CÍC,CĤ.
PĤC-PSC-PjP°P»CĤPSC- P±P°PeC,PµCĤPëC†PëPrPSC- PePsPSC†PµPSC,CĤP°C†C-C— (PĤP°P°)
P·P°P·PIPëC†P°PNë PIC-PrPiPsPIC-PrP°CĤC,CĤ PjC-PSC-PjP°P»CĤPSPëPj
C-PSPiC-P±CÍCĤC†PëPj PePsPSC†PµPSC,CĤP°C†C-CĬPj (PĤP†P°).

P·PiP»PëPI PSP° PePëC€PePsPICÍ C,,P»PsCĤCÍ CÍ P»CĤPrPµPNë

Pj PrPIPSC... PrPsCÍP»C-PrP¶PµPSPSCĬC... P·P° CÍC†P°CÍC,CĤ PrPsP±CĤPsPiPsP»CĤC†C-PI
PiC-CÍP»CĬ PiPµCĤPsCĤP°P»CĤPSPsPiPs P·P°CÍC,PsCÍCÍPIP°PSPSCĬ
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCÍ PIC-PrP·PSP°C†P°P»PëCÍCĬ PSPëP¶C†PµPSP°PIPµPrPµPSC-
P·PjC-PSPë CÍ PePëC€PePsPIC-PNë C,,P»PsCĤC-. P—PSPëP¶CÍPIP°P»P°CÍCĤ
PeC-P»CĤPeC-CÍC,CĤ *E. coli*, *Bacillus spp.*, *Enterococcus* C,P° *Klebsiella spp.*, P° C,P°PePsP¶
P°PSP°PµCĤPsP±C-PI *Bacteroides vulgatus*, *Bifidobacterium spp.*, *Eubacterium* C,P°
Peptostreptococcus. PŸPiPsCÍC,PµCĤC-PiP°P»PsCÍCĬ PiC-PrPIPëC%PµPSPSCĬ
PeC-P»CĤPePsCÍC,C- *Bacteroides fragilis*. PĤC-P»CĤPeC-CÍC,CĤ PIPeP°P·P°PSPëC...
PIPëC%Pµ PjC-PeCĤPsPsCĤPiP°PSC-P·PjC-PI PiPsPIPµCĤC,P°P»P°CÍCĬ CÍ PjPµP¶C-
PSPsCĤPjPë CÍPiCĤPsPrPsPIP¶ PrPIPSC... C,PëP¶PSC-PI.

P PµP·PëCÍC,PµPSC,PSC-CÍC,CĤ

PĤPµC...P°PSC-P·PjPë CĤPµP·PëCÍC,PµPSC,PSPsCÍC,C-, P·P° CĤP°C...CÍPSPsPe CĬPePëC...
C-PSP°PeC,PëPICÍCĤC,CĤCÍCĬ PiPµPSC-C†PëP»C-PSPë, C†PµC,,P°P»PsCÍPiPsCĤPëPSPë,
P°PjC-PSPsPiP»C-PePsP·PëPrPë, PjP°PeCĤPsP»C-PrPë C- C,PµC,CĤP°C†PëPeP»C-PSPë, PSPµ
PIPíP»PëPIP°CĤC,CĤ PSP° P°PSC,PëP±P°PeC,PµCĤC-P°P»CĤPSCÍ PµC,,PµPeC,PëPIPSC-CÍC,CĤ
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCÍ. P†PSC€C- PjPµC...P°PSC-P·PjPë
CĤPµP·PëCÍC,PµPSC,PSPsCÍC,C-, C,P°PeC- CĬPe P±P°CĤBĤ™ C”CĤPë
PiCĤPsPSPëPePSPµPSPSCĬ (PiPsC€PëCĤPµPSC- CÍ *Pseudomonas aeruginosa*) C,P°

PjPμC...P°PSC-P·PjPë PIC-PrC,PsPeCf, PjPsP¶CfC,CH PIPiP»PëPIP°C,Pë PSP° C±CfC,P»PëPIC-CfC,CH PrPs PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCf.

PαPsCfPjCfPIP°PSPSCf CfPμP·PëCfC,PμPSC,PSPScfC,C- PrPs PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCf in vitro CfPïPsCfC,PμCfC-PiP°P»Pë CfPe PïPsCfC,CfPïPsPIPëPñe PïCfPsC†PμCf, CfPePëPñe PïPsP»CfPiP°C” PI C,PsC±PSPëC... PjCfC,P°C†C-CfC... PsP±PsC... C,PëPïC-PI P†P† C,PsPïPsC-P·PsPjPμCfP°P·Pë, P”PκPλ- PiC-CfP°P·Pë C,P° C,PsPïPsC-P·PsPjPμCfP°P·Pë IV. PñPsPeCfPëC,,P»PsPeCfP°C†PëPS C” CfP»P°P±PePëPj CfCfP±CfC,CfP°C,PsPj PrP»Cf PjPμC...P°PSC-P·PjC-PI P°PeC,PëPIPSPsPiPs PIC-PrC,PsPeCf Cf PiCfP°PjPïPsP·PëC,PëPIPSPëC... PjC-PeCfPsPsCfPiP°PSC-P·PjC-PI.

PÿPïPsCfC,PμCfC-PiP°C”C,CHCfCf PïPμCfPμC...CfPμCfPSP° CfPμP·PëCfC,PμPSC,PSC-CfC,CH P· C-PSCëPëPjPë C,,C,PsCfC...C-PSPsP»PsPSP°PjPë. PñPrPSP°Pe, PsCfPeC-P»CHPePë PjPsPeCfPëC,,P»PsPeCfP°C†PëPS C-PSPiC-P±CfC” PsP±PëPrPIC- C,PsPïPsC-P·PsPjPμCfP°P·Pë P†P† C,P° IV P·C- CfC...PsP¶PsCf P°PeC,PëPIPSC-CfC,Cf PrPμCfPePëC... PiCfP°PjPïPsP·PëC,PëPIPSPëC... P±P°PeC,PμCfC-Pñe, C†C- P±P°PeC,PμCfC-C— PjPsP¶CfC,CH P±CfC,Pë CfPμP·PëCfC,PμPSC,PSPëPjPë PrPs C-PSCëPëC... C...C-PSPsP»PsPSC-PI, P°P»Pμ C±CfC,P»PëPIPëPjPë PrPs PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCf.

PñPsPSC,CfPsP»CHPSC- C,PsC±PePë

PÿP°P±P»PëC†Cf 1

PñP»C-PSC-C±PSC- PñP†Pñ C,P° PePsPSC,CfPsP»CHPSC- C,PsC±PePë PrPëCfPePsPIPsC— PrPëC,,CfP·C-C— PrP»Cf PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCf (01.01.2012) P·P° PrP°PSPëPjPë EUCAST (P,,PICfPsPïPμPñeCfCHPePëPñe PePsPjC-C,PμC, P· C,PμCfC,CfPIP°PSPSCf P°PSC,PëPjC-PeCfPsP±PSPsC— C±CfC,P»PëPIPsCfC,C-)

PñC-PeCfPsPsCfPiP°PSC-P·Pj <i>Staphylococcus spp.</i>	P§CfC,P»PëPIPëPñe ≤ 0,5 PjPi/P» ³ 24 PjPj	P PμP·PëCfC,PμPSC,PSPëPñe > 1 PjPi/P» < 21 PjPj
<i>S. pneumoniae</i>	≤ 0,5 PjPi/P» ³ 22 PjPj	> 0,5 PjPi/P» < 22 PjPj
<i>Streptococcus, PiCfCfPïPë A, B, C, G</i>	≤ 0,5 PjPi/P» ³ 18 PjPj	> 1 PjPi/P» < 15 PjPj
<i>H. influenzae</i>	≤ 0,5 PjPi/P» ³ 25 PjPj	> 0,5 PjPi/P» < 25 PjPj
<i>M. catarrhalis</i>	≤ 0,5 PjPi/P» ³ 23 PjPj	> 0,5 PjPi/P» < 23 PjPj
<i>Enterobacteriaceae</i>	≤ 0,5 PjPi/P» ³ 20 PjPj	> 1 PjPi/P» < 17 PjPj
PñPsPSC,CfPsP»CHPSC- C,PsC±PePë, PSPμ	≤ 0,5 PjPi/P»	> 1 PjPi/P»

* PñPsPSC,CfPsP»CHPSC- C,PsC±PePë, PSPμ PïPsPIBf™ CfP·P°PSC- P· PIPëPrPsPj, P±CfP»Pë PIPëP·PSP°C†PμPSC- PïPsP»PsPIPSPëPj C†PëPSPsPj PSP° PïC-PrCfC,P°PIC- PrP°PSPëC... C,,P°CfPjP°PePsPeC-PSPμC,PëPePë/C,,P°CfPjP°PePsPrPëPSP°PjC-PePë C,P° PSPμ P·P°P»PμP¶P°C,CH PIC-Pr PïPsCëPëCfPμPSPSCf PñP†Pñ CfPïPμC†PëC,,C-C±PSPëC... PIPëPrC-PI. PjC- PrP°PSC- PIPëPePsCfPëCfC,PsPICfCfC,CH C,C-P»CHPePë C%oPsPrPs PIPëPrC-PI, CfPePëPj PSPμ PSP°PrP°PIP°P»Pë PePsPSC,CfPsP»CHPSC- C,PsC±PePë P·P° PsPeCfPμPjPëPjPë PIPëPrP°PjPë, C,P° PSPμ PIPëPePsCfPëCfC,PsPICfCfC,CH C%oPsPrPs

PIPëPrC-PI, Cí CÏPePëC... C-PSC, PµCÏPïCÏPµC, P°C†C-PNëPSC- PeCÏPëC, PµCÏC-C—
PiC-PrP»CÏPiP°CÏC, CÏ PIPëP·PSP°C†PµPSPSCÏ.

PÏC-PeCÏPsP±C-PsP»PsPiC-C†PSP° C†CíC, P»PëPIC-CíC, CÏ

PÏP°CíC, PsC, P° PSP°P±CíC, PsC— CÏPµP·PëCíC, PµPSC, PSPsCíC, C- PjPsP¶Pµ
P·PjC-PSCÏPIP°C, PëCíCÏ P·P°P»PµP¶PSPs PIC-Pr PiPµPsPiCÏP°C,, C-C†PSPsPiPs
CÏPsP·C, P°C€CíPIP°PSPSCÏ CÏPµPiC-PsPSCí C, P° PiCÏPsC, CÏPiPsPj C†P°CíCí,
PIPëP·PSP°C†PµPSPsPiPs PrP»CÏ PiPµPIPSPëC... PIPëPrC-PI PjC-PeCÏPsPsCÏPiP°PSC-P·PjC-PI.
P·P°P¶P°PSPs PjP°C, Pë PrPsCíC, CíPi PrPs P»PsPeP°P»CÏPSPsC— C-PSC,, PsCÏPjP°C†C-C—
C%PsPrPs CÏPµP·PëCíC, PµPSC, PSPsCíC, C- PjC-PeCÏPsPsCÏPiP°PSC-P·PjC-PI,
PsCíPsP±P»PëPIPs PiCÏPë P»C-PeCíPIP°PSPSC- C, CÏP¶PePëC... C-PSC,, PµPeC†C-PNë.

Pj CÏP°P·C- PSPµPsP±C...C-PrPSPsCíC, C- CíP»C-Pr P·PIPµCÏC, P°C, PëCíCÏ P·P°
PePsPSCíCíP»CÏC, P°C†C-C”CÏ PrPs PµPeCíPiPµCÏC, P° P· PiPëC, P°PSCÏ
P°PSC, PëP±C-PsC, PëPePsCÏPµP·PëCíC, PµPSC, PSPsCíC, C-, PePsP»Pë PjC-CíC†PµPIPµ
PrPsPjC-PSCíPIP°PSPSCÏ CÏPµP·PëCíC, PµPSC, PSPsCíC, C- PIPëCÏPIP»CÏC”C, CÏCíCÏ
PSP°CíC, C-P»CÏPePë CíPëP»CÏPSPëPj, C%Ps PIPiP»PëPI PiPµPIPSPsPiPs
P»C-PeP°CÏCíCÏPePsPiPs P·P°CíPsP±Cí C%PsPSP°PNëPjPµPSC€Pµ PSP° PrPµCÏPeC- PIPëPrPë
C-PSC,, PµPeC†C-PNëPSPëC... P·P±CíPrPSPëPeC-PI P·P°P»PëC€P°C”C, CÏCíCÏ PiC-Pr
CíCíPjPSC-PIPsPj.

PÏCíC, P»PëPIC- PIPëPrPë

PÏPµCÏPsP±PSC- PiCÏP°PjPiPsP·PëC, PëPIPSC- PjC-PeCÏPsPsCÏPiP°PSC-P·PjPë

Gardnerella vaginalis

*Staphylococcus aureus** (C†CíC, P»PëPIPëPNë PrPs PjPµC, PëC†PëP»C-PSCí)

Streptococcus agalactiae (PiCÏCíPiP° B)

Streptococcus milleri PiCÏCíPiP°* (*S. anginosus*, *S. constellatus* C, P° *S. intermedius*)

*Streptococcus pneumoniae**

*Streptococcus pyogenes** (PiCÏCíPiP° A)

Streptococcus viridans PiCÏCíPiP° (*S. viridans*, *S. mutans*, *S. mitis*, *S. sanguinis*, *S. salivarius*,
S. thermophilus)

PÏPµCÏPsP±PSC- PiCÏP°PjPSPµPiP°C, PëPIPSC- PjC-PeCÏPsPsCÏPiP°PSC-P·PjPë

Acinetobacter baumannii

*Haemophilus influenzae**

*Haemophilus parainfluenzae**

Legionella pneumophila

*Moraxella (Branhamella) catarrhalis**

P_hPSP°P_μCT_hPsP±PSC- PjC-PeCT_hPsPsCT_hPiP°PSC-P·PjPë

Fusobacterium spp.

Prevotella spp.

P†PSC€C- PjC-PeCT_hPsPsCT_hPiP°PSC-P·PjPë

*Chlamydomphila (Chlamydia) pneumoniae**

*Chlamydia trachomatis**

Coxiella burnetii

Mycoplasma genitalium

Mycoplasma hominis

*Mycoplasma pneumoniae**

P'PëPrPë P· PjPsP¶P»PëPIPsCT_h PSP°P±CfC,PsCT_h CT_hPμP·PëCfC,PμPSC,PSC-CfC,CT_h

P_hPμCT_hPsP±PSC- PiCT_hP°PjPiPsP·PëC,PëPIPSC- PjC-PeCT_hPsPsCT_hPiP°PSC-P·PjPë

*Enterococcus faecalis**

*Enterococcus faecium**

Staphylococcus aureus (PjPμC,PëC†PëP»C-PSCT_hPμP·PëCfC,PμPSC,PSPëPNe)

P_hPμCT_hPsP±PSC- PiCT_hP°PjPSPμPiP°C,PëPIPSC- PjC-PeCT_hPsPsCT_hPiP°PSC-P·PjPë

*Enterobacter cloacae**

Escherichia coli#*

Klebsiella pneumoniae#*

Klebsiella oxytoca

*Neisseria gonorrhoeae**

*Proteus mirabilis**

P_hPSP°PμCT_hPsP±PSC- PjC-PeCT_hPsPsCT_hPiP°PSC-P·PjPë

*Bacteroides fragilis**

*Peptostreptococcus spp.**

P PμP·PëCfC,PμPSC,PSC- PIPëPrPë

PhPμCḡPsP±PSC- PiCḡP°PjPSPμPiP°C,PëPIPSC- PjC-PeCḡPsPsCḡPiP°PSC-P·PjPë

Pseudomonas aeruginosa

* PμCḡPsPrPμPjPsPSCḡC,CḡPsPIP°PSPs P·P°PrPsPIC-P»CHḡPSCḡ P°PeC,PëPIPSC-CḡC,CH C%oPsPrPs PIPiP»PëPICḡ PSP° CḡCḡC,P»PëPIC- CḡC,P°PjPë PiC-Pr CḡP°Cḡ PeP»C-PSC-CḡPSPëC... PrPsCḡP»C-PrPḡPμPSCḡ Cḡ CḡP°PjPeP°C... P·P°C,PiPμCḡPrPḡPμPSPëC... PeP»C-PSC-CḡPSPëC... PiPsPeP°P·P°PSCḡ.

PëC,P°PjPë, CḡPeC- PIPëCḡPsP±P»CḡCḡC,CH ESB, C” P·P°P·PIPëCḡP°PNḡ CḡPμP·PëCḡC,PμPSC,PSPëPjPë PrPs C,,C,PsCḡC...C-PSPsP»PsPSC-PI.

PμPsPeP°P·PSPëPe CḡPμP·PëCḡC,PμPSC,PSPsCḡC,- > 50 % PI PsPrPSC-PNḡ CḡPë P±C-P»CHḡCḡPμ PeCḡP°C—PS.

PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°.

P’CḡPjPsPeC,CḡPIP°PSPSCḡ C,P° P±C-PsPrPsCḡC,CḡPiPSC-CḡC,CH

PμCḡPë PiPμCḡPsCḡP°P»CHḡPSPsPjCḡ PiCḡPëPNḡPsPjC- PjPsPeCḡPëC,,P»PsPeCḡP°CḡPëPS CḡPIPëPrPePs C,P° PjP°PNḡPḡPμ PiPsPIPSC-CḡC,Cḡ PICḡPjPsPeC,CḡC”C,CHḡCḡCḡ.

PhP±CḡPsP»CḡC,PSP° P±C-PsPrPsCḡC,CḡPiPSC-CḡC,CH PrPsCḡCḡPiP°C” PjP°PNḡPḡPμ 91 %.

PJ PrC-P°PiP°P·PsPSC- PrPsP· 50Bḡ”800 PjPi PiCḡPë PsPrPSPsCḡP°P·PsPIPpsPjCḡ PiCḡPëPNḡPsPjC- C,P° Cḡ PrPsP·P°C... PiPs 600 PjPi PSP° PrPsP±Cḡ PiCḡPsC,CḡPiPsPj 10 PrC-P± C,,P°CḡPjP°PePsPeC-PSPμC,PëPeP° C” P»C-PSC-PNḡPSPsCḡ. P C-PIPSPsPIP°PḡPSPëPNḡ CḡC,P°PS PrPsCḡCḡPiP°C”C,CHḡCḡCḡ PiCḡPsC,CḡPiPsPj C,CḡCHḡPsC... PrPSC-PI. PμC-CḡP»Cḡ PiCḡPëPNḡPsPjCḡ PiPμCḡPsCḡP°P»CHḡPSPsC— PrPsP·Pë 400 PjPi PjP°PeCḡPëPjP°P»CHḡPSP° PePsPSCḡPμPSC,CḡP°CḡC-Cḡ Cḡ PeCḡPsPIC- (C_{max}) PrPsCḡCḡPiP°C”C,CHḡCḡCḡ PiCḡPsC,CḡPiPsPj 0,5Bḡ”4 PiPsPrPëPS C- CḡC,P°PSPsPIPëC,CH 3,1 PjPi/P».

PḡP°PeCḡPëPjP°P»CHḡPSP° C,P° PjC-PSC-PjP°P»CHḡPSP° PiP»P°P·PjPsPIC- PePsPSCḡPμPSC,CḡP°CḡC-C— PI CḡC-PIPSPsPIP°PḡPSPsPjCḡ CḡC,P°PSC- (400 PjPi 1 CḡP°P·PSP° PrPsP±Cḡ) CḡC,P°PSPsPIP»CḡC,CH 3,2 C,P° 0,6 PjPi/P» PIC-PrPiPsPIC-PrPSPs.

P PsP·PiPsPrC-P»

PḡPsPeCḡPëC,,P»PsPeCḡP°CḡPëPS CḡPIPëPrPePs CḡPsP·PiPsPrC-P»CḡC”C,CHḡCḡCḡ PI PμPeCḡC,CḡP°PIP°CḡPeCḡP»CḡCḡPSPsPjCḡ PiCḡPsCḡC,PsCḡC-, PiC-CḡP»Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PrPsP·Pë 400 PjPi PiP»PsC%oP° PiC-Pr C,,P°CḡPjP°PePsPeC-PSPμC,PëCḡPSPsCḡ PeCḡPëPIPpsCḡ B«PePsPSCḡPμPSC,CḡP°CḡC-Cḡ-CḡP°CḡB» (AUC) CḡC,P°PSPsPIPëC,CH B B B B B B B B B B B B B 35 PjPePi/P». PhP±Bḡ”C”Pj CḡPsP·PiPsPrC-P»Cḡ PI CḡC-PIPSPsPIP°PḡPSPsPjCḡ CḡC,P°PSC- PrPsCḡC-PIPSCḡC” 2 P»/PePi. PiPe PICḡC,P°PSPsPIP»PμPSPs PI PμPeCḡPiPμCḡPëPjPμPSC,P°C... *in vitro* C,P° *ex vivo*, P·PiBḡ”CḡP·CḡPIP°PSPSCḡ P· P±C-P»PeP°PjPë PeCḡPsPIC- CḡC,P°PSPsPIPëC,CH PiCḡPëP±P»Pë·PSPs 40-42 % C,P° PSPμ P·P°P»PμPḡPëC,CH PIC-Pr PePsPSCḡPμPSC,CḡP°CḡC-C— PiCḡPμPiP°CḡP°C,Cḡ.

PḡP°P±P»PëCḡCḡ 2

PμC-PePsPIP° PePsPSCḡPμPSC,CḡP°CḡC-Cḡ (CḡPμCḡPμPrPSC” PiPμPsPjPμC,CḡPëCḡPSPμ) PiC-CḡP»Cḡ PiPμCḡPsCḡP°P»CHḡPSPsPiPs PiCḡPëPNḡPsPjCḡ PsPrPSPsCḡP°P·PsIPsC— PrPsP·Pë

PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCr 400 PjPi.

PÿPeP°PSPëPSP°	РлPsPSC†PµPSC,СҒP°C†C-Cl	РнС-СfC†PµPIPëP№ СҒС-PIPµPSCн ВҒ“ СҒС-PIPµPSCн Сr PïP»P°P·PjC- PeCҒPsPIC-
PµP»P°P·PjP°	3,1 PjPi/P»	ВҒ“
PÿP»PëPSP°	3,6 PjPi/P»	0,75 ВҒ“ 1,3
P’PjC-СfC, PïCfC...PëCҒCl	1,6 ¹ PjPi/P»	1,7 ¹
PÿP»PëP·PsPIP° PsP±PsP»PsPSPeP° P±CҒPsPSC...C-PI	5,4 PjPi/PePi	1,7 ВҒ“ 2,1
PҒP»СнPIPµPsP»ClCҒPSC- PjP°PeCҒPsC,,P°PiPë	56,7 PjPi/PePi	18,6 ВҒ“ 70,0
P C-PrPëPSP° PµPïC-C,PµP»C-P°P»СнPSPSc— PIPëCfC,C-P»PePë	20,7 PjPi/P»	5 ВҒ“ 7
P“P°P№PjPsCҒPsPIP° PïPsCҒPsP¶PSPëPSP°	7,5 PjPi/PePi	2,0
P·C,PjPsC—PrP°P»СнPSC- PïP°P·CfC...Pë	8,2 PjPi/PePi	2,1
PкP°P·P°P»СнPSC- PïPsP»C-PïPë	9,1 PjPi/PePi	2,6
P†PSC,PµCҒCfC,PëC†C-P°P»СнPSP° CҒС-PrPëPSP°	1,0 ² PjPi/P»	0,8 ВҒ“ 1,4 ^{2,3}
P-C-PSPSc†C- CfC,P°C,PµPIC- PsCҒPïP°PSPë*	10,2 ⁴ PjPi/PePi	1,72 ⁴

* PIPSCrC,СҒС-C€PSCнPsPIPµPSPSPµ P·P°CfC,PsCfCfPIP°PSPSCl PsPrPSPScҒP°P·PsPIPSc— PrPsP·Pë 400 PjPi

¹ 10 PïPsPrPëPS PïC-СfP»Cl PIPµPrPµPSPSCl;

² PIC-P»СнPSP° PePsPSC†PµPSC,СҒP°C†C-Cl;

³ PIC-Pr 3 PïPsPrPëPS PrPs 36 PïPsPrPëPS PïC-СfP»Cl PIPµPrPµPSPSCl PrPsP·Pë;

⁴ PI PeC-PSC†C- C-PSC,,CfP·C-C—.

PҒPµC,P°P±PsP»C-P·Pj

РнPsPeCfPëC,,P»PsPeCfP°C†PëPS PïC-PrP»ClPïP°C” P±C-PsC,СҒP°PSCfC,,PsCҒPjP°C†C-C— II C,,P°P·Pë C- PIPëPIPsPrPëC,СнCfC Cl P· PsCҒPïP°PSC-P·PjCf PSPëCҒPeP°PjPë, P° C,P°PePsP¶ C-P· C,,PµPeP°P»C-ClPjPë/P¶PsPIC†Cн ClPe Cr PSPµP·PjC-PSPµPSPsPjCf CfC,P°PSC-, C,P°Pe C- Cr PIPëPïP»ClPrC- PSPµP°PeC,PëPIPSPëC... CfCfP»СнС,,PsCfPïPsP»CfPe (Pн1) C- PïP»СнPePsCҒPsPSC-PrC-PI (Pн2). Pн1 C,P° Pн2 C” PjPµC,P°P±PsP»C-C,P°PjPë, CҒPµP»PµPIP°PSC,PSPëPjPë PrP»Cl P»СнPrPëPSPë, PsP±PëPrPIP° PIPsPSPë C” PjC-PeCҒPsP±C-PsP»PsPïC-C†PSPs PSPµP°PeC,PëPIPSPëPjPë. PµC-Pr C†P°Cf PrPsCfP»C-PrP¶PµPSCн in vitro C,P° PeP»C-PSC-C†PSPëC... PrPsCfP»C-PrP¶PµPSCн C,,P°P·Pë P† PSPµ CfPïPsCfC,PµCҒC-PïP°P»PsCfCl PjPµC,P°P±PsP»C-C†PSPSc— C,,P°CҒPjP°PePsPeC-PSPµC,PëC†PSPSc— PIP·P°C”PjPsPrC-C— P· C-PSC€PëPjPë PïCҒPµPïP°CҒP°C,P°PjPë, P·P°PrC-ClPSPëPjPë Cr P±C-PsC,СҒP°PSCfC,,PsCҒPjP°C†C-C— C,,P°P·Pë P† P·P° CrC†P°CfC,Сн C,,PµCҒPjPµPSC,C-PI CfPëCfC,PµPjPë C†PëC,PsC...CҒPsPjCf P 450. PҒP·PSP°Pe PsPePëCfPSCнPIP°P»СнPSPsPïPs PjPµC,P°P±PsP»C-P·PjCf PSPµPjP°C”.

P’PëPIPµPrPµPSPSCl P· PsCҒPïP°PSC-P·PjCž

РμРμС҂С-РsPr PSP°PіC-PIPIPēPIPμPrPμPSPSCЦ PіС҂PμPіP°С҂P°С,Ср СГС,Р°PSPsPIPēC,С҂ PіС҂PēP±P»PēP·PSPs 12 PіPsPrPēPS. PŸPμС҂PμPrPSC-PMē P·P°PіP°P»С҂PSPēPMē PeP»C-С҂PμPSCГ PіC-СГP»CЦ PIPIPμPrPμPSPSCЦ 400 PjPі СГС,Р°PSPsPIPēC,С҂ PIC-Pr 179 PrPs 246 PjP»/C...PI. PкPēС҂PμPePsPIPēPMē PeP»C-С҂PμPSCГ СГС,Р°PSPsPIPēC,С҂ PіС҂PēP±P»PēP·PSPs 24в҂"53 PjP»/C...PI C,Р° СГPIC-PrC±PēC,С҂ PіС҂Ps C±P°СГС,PePsPICр PeP°PSP°P»С҂C†PμPICр С҂PμP°P±СГPsС҂P±C†C-С҂ PіС҂PμPіP°С҂P°С,Ср P·PSPēС҂PsPe. PμC-СГP»CЦ PіС҂PēPMēPsPjCр PrPsP·Pē 400 PjPі PIPēPIPμPrPμPSPSCЦ C-P·СГPμC±PμС҂ (PіС҂PēP±P»PēP·PSPs 19 % в҂" P»C-PeP°С҂СГС҂PēPMē P·P°СГС-P± Cр PSPμP·PjC-PSPμPSPsPjCр PIPēPIP»CЦPrC-, PіС҂PēP±P»PēP·PSPs 2,5 % в҂" P҂1 C,Р° PіС҂PēP±P»PēP·PSPs 14 % в҂" P҂2) C,Р° PeP°P»PsPj (PіС҂PēP±P»PēP·PSPs 25 % в҂" P»C-PeP°С҂СГС҂PēPMē P·P°СГС-P± Cр PSPμP·PjC-PSPμPSPsPjCр PIPēPIP»CЦPrC-, PіС҂PēP±P»PēP·PSPs 36 % в҂" P҂1 C,Р° PIC-PrСГCрC,PSC-СГС,С҂ PIPēPIPμPrPμPSPSCЦ Cр PIPēPIP»CЦPrC- P҂2) P·P°PіP°P»PsPj СГС,Р°PSPsPIPēP»Ps PіС҂PēP±P»PēP·PSPs 96 %. PŸCрPіCрC,PSC" PIPIPμPrPμPSPSCЦ С҂P°PSC-C,PēPrPēPSCр C,Р° PіС҂PsP±PμPSPμC†PēPrCр PSPμ P·PjC-PSC҂C" PSPēС҂PμPePsPIPēPMē PeP»C-С҂PμPSCГ PіС҂PμPіP°С҂P°С,Ср.

PαP°С҂PjP°PePsPeC-PSPμC,PēPeP° Cз С҂C-P-PSPēC... PіС҂CзPі PіP°C†C-C"PSC,C-PI

PμP°C†C-C"PSC,Pē P»C-C,PSCHPsPiPs PIC-PeCз C,Р° PіP°C†C-C"PSC,Pē P·PSPēP·С҂PμPePsС҂ PjP°СГPsС҂ C,C-P»P°

PJ P·PrPsС҂PsPIPēC... PrPsP±С҂PsPIPsP»С҂C†C-PI C-P·PSPēP·С҂PμPePsС҂ PjP°СГPsС҂ C,C-P»P° (P·PsPeС҂PμPjP° Cр P¶C-PSPsPe) C,Р° Cр P·PrPsС҂PsPIPēC... PrPsP±С҂PsPIPsP»С҂C†C-PI P»C-C,PSCHPsPiPs PIC-PeCр СГPіPsСГC,РμС҂C-PiP°P»Pē PIPēC%оCр PePsPSC†PμPSC,С҂P°C†C-С҂ PіС҂PμPіP°С҂P°С,Ср PI PіP»P°P·PjC- PeС҂PsPIC-.

PкPēС҂PμPePsPIP° PSPμPrPsСГC,Р°C,PSC-СГC,С҂

PкPμ PIPēCЦPIP»PμPSPs C-СГC,PsC,PSPēC... P·PjC-PS C,,P°С҂PjP°PePsPeC-PSPμC,PēPePē PjPsPeCГPēC,,P»PsPeCГP°C†PēPSCр Cр PіP°C†C-C"PSC,C-PI C-P·PіPsС҂CрC€PμPSPSCЦPjPē C,,CрPSPeC†C-C— PSPēС҂PsPe (PIPeP»С҂C±P°С҂C±Pē PіP°C†C-C"PSC,C-PI C-P·PeP»C-С҂PμPSCГPsPj PeС҂PμP°C,PēPSC-PSCр > 20 PjP»/C...PI/1,73 Pj²). P҂CГPēC-P»С҂PμPePē C,,CрPSPeC†C-CЦ PSPēС҂PsPe P·PSPēP¶CрC",С҂CГCЦ, PePsPSC†PμPSC,С҂P°C†C-CЦ PjPμC,P°P±PsP»C-C,Cр P҂2 (PіP»С҂PμPePsС҂PμPSC-PrCр) P·P±C-P»С҂C€CрC",С҂CГCЦ PrPs PіPsPeP°P·PSPēPeP° 2,5 (Cр PіP°C†C-C"PSC,C-PI C-P·PeP»C-С҂PμPSCГPsPj PeС҂PμP°C,PēPSC-PSCр < 30 PjP»/C...PI/1,73 Pj²).

PμPsС҂CзC€PμPSPSCЦ C,,CзPSPeC†C-C— PіPμC±C-PSPePē

PкP° PіC-PrCГC,Р°PIC- PrP°PSPēC... PrPsCГP»C-PrP¶PμPSC҂ C,,P°С҂PjP°PePsPeC-PSPμC,PēPePē, CЦPeC- PіС҂PsPIPsPrPēP»Pē P·P° CрC±P°СГC,С҂ PіP°C†C-C"PSC,C-PI C-P·PіPμC±C-PSPePsPIPsС҂ PSPμPrPsCГC,Р°C,PSC-СГC,С҂ (PeP»P°СГ P҂ - PŸ P·P° PeP»P°СГPēC,,C-PeP°C†C-C"С҂ PŸP°PMēP»PrP°-Pμв҂™ С҂), PSPμPjPsP¶P»PēPIPs PIPēP·PSP°C±PēC,Pē, C±Pē C" С҂C-P·PSPēC†CЦ PіPsС҂C-PIPSCЦPSPs P·C- P·PrPsС҂PsPIPēPjPē PrPsP±С҂PsPIPsP»С҂C†CЦPjPē. PμPsС҂CрC€PμPSPSCЦ C,,CрPSPeC†C-C— PіPμC±C-PSPePē P±CрP»Ps PіPsPIв҂™ CЦP·P°PSPμ P·P±C-P»С҂C€PsС҂ PrC-C"С҂ P҂1 Cр PіP»P°P·PjC- PeС҂PsPIC-, C,PsPrC- CЦPe PrC-CЦ PIPēC...C-PrPSPsC— P»C-PeP°С҂СГC҂PμPePsC— С҂PμC±PsPIPēPSPē P±CрP»P° PіPsС҂C-PIPSCЦPSPSPsС҂ P·PrC-C"С҂ Cр P·PrPsС҂PsPIPēC... PrPsP±С҂PsPIPsP»С҂C†C-PI. P"PsCГC,Р°C,PSCHPsPiPs PrPsCГPIC-PrCр PeP»C-PSC-C±PSPsPiPs P·P°СГC,PsCГCрPIP°PSPSCЦ PjPsPeCГPēC,,P»PsPeCГP°C†PēPSCр PrP»CЦ P»C-PeCрPIP°PSPSCЦ PіP°C†C-C"PSC,C-PI C-P·PіPsС҂CрC€PμPSPSCЦPjPē C,,CрPSPeC†C-C— PіPμC±C-PSPePē PSPμPjP°C".

PrPs *Neisseria gonorrhoeae* (P·P° PIPëPSCЦC,PePsPj
PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCЦPµP·PëCГC,PµPSC,PSPëC... CëC,P°PjC-PI *N. gonorrhoeae*).

PÿP°P±P»PµC,PsPIP°PSCr C,,PsCЦPjCr PïCЦPµPïP°CЦP°C,Cr PнPsPeCГPµC,PµCЦPs PjPsP¶PSP°
P·P°CГC,PsCГPsPICrPIP°C,Pë PrP»CЦ P·P°PeC-PSC†PµPSPSCЦ PeCГCЦCГC
P»C-PeCГPIP°PSPSCЦ, PI CЦPePsPjCr CГC,P°CЦC,PsPIP° C,PµCЦP°PïC-CЦ
PïP°CЦPµPSC,PµCЦP°P»CHPSPsCЦ C,,PsCЦPjPsCЦ PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCr
P±CГP»P° PµC,,PµPeC,PëPIPSPsCЦ C- PïCЦPëP·PSP°C†PµPSP° P·P° C,P°PePëPjPë
PïPsPeP°P·P°PSPSCЦPjPë:

- PSPµPiPsCГPïC-C,P°P»CHPSP° PïPSPµPIPjPsPSC-CЦ;

- CrCГPeP»P°PrPSPµPSC- C-PSC,,PµPeC†C-C— CëPeC-CЦPë C,P° PïC-PrCëPeC-CЦPSPëC...
CГC,CЦCГPeC,CrCЦ.

PÿP°P±P»PµC,PsPIP°PSP° C,,PsCЦPjP° PïCЦPµPïP°CЦP°C,Cr PнPsPeCГPµC,PµCЦPs PSPµ
CЦPµPePsPjPµPSPrCГC,CнCГCЦ PrP»CЦ CГC,P°CЦC,PsPIP°PiPs P»C-PeCГPIP°PSPSCЦ
P±CГPrCн-CЦPePëC... C-PSC,,PµPeC†C-PMë CëPeC-CЦPë C,P° PïC-PrCëPeC-CЦPSPëC...
CГC,CЦCГPeC,CrCЦ P°P±Ps Cr CЦP°P·C- C,CЦP¶PePsPiPs PïPµCЦPµP±C-PiCr
PSPµPiPsCГPïC-C,P°P»CHPSPsC— PïPSPµPIPjPsPSC-C—.

PÿP»C-Pr P·PIPµCЦPSCrC,Pë CrPIP°PiCr PSP° PsC,,C-C†C-PMëPSC- C-PSCГC,CЦCГPeC†C-C— P·
PSP°P»PµP¶PSPsPiPs P·P°CГC,PsCГCГPIP°PSPSCЦ P°PSC,PëP±P°PeC,PµCЦC-P°P»CHPSPëC...
P·P°CГPsP±C-PI.

PµCЦPsC,PëPïPsPeP°P·P°PSPSCЦ.

- P'C-PrPsPjP° PiC-PïPµCЦC†CГC,P»PëPIC-CГC,Cн PrPs PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCr
P°P±Ps PrPs C-PSCëPëC... C...C-PSPsP»PsPSC-PI C†Pë PrPs P±CГPrCн-CЦPePsC— P·
PrPsPïPsPjC-P¶PSPëC... CЦPµC†PsPIPëPS PïCЦPµPïP°CЦP°C,Cr.

- P'C-Pe PïP°C†C-C" PSC,P° PrPs 18 CЦPsPeC-PI.

- P'P°PiC-C,PSC-CГC,Cн P°P±Ps PïPµCЦC-PsPr PiPsPrCГPIP°PSPSCЦ PiCЦCГPrPrCн (PrPëPI.
CЦPsP·PrC-P» B«P—P°CГC,PsCГCГPIP°PSPSCЦ Cr PïPµCЦC-PsPr PIP°PiC-C,PSPsCГC,C- P°P±Ps
PiPsPrCГPIP°PSPSCЦ PiCЦCГPrPrCнB»).

- P—P°C...PIPSCЦPPIP°PSPSCЦ CГCГC...PsP¶PëP»CH, PïPsPIвЦ™ CЦP·P°PSC- P·
P»C-PeCГPIP°PSPSCЦPj C...C-PSPsP»PsPSP°PjPë, PI P°PSP°PjPSPµP·C-.

PJ PïCЦPsC†PµCГC- PrPsCГP»C-PrP¶PµPSCн PïC-CГP»CЦ P·P°CГC,PsCГCГPIP°PSPSCЦ
PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCr CГPïPsCГC,PµCЦC-PiP°P»PëCГCЦ P·PjC-PSPë PI
PµP»PµPeC,CЦPsC,,C-P·C-PsP»PsPiC-C— CГPµCЦC†CЦ Cr PIPëPïP»CЦPrC-
PïPsPrPsPIP¶PµPSPSCЦ C-PSC,PµCЦPIP°P»Cr QT. PÿPsPjCr P· PjC-CЦPeCГPIP°PSCн
P±PµP·PïPµPePë PïCЦPµPïP°CЦP°C, PïCЦPsC,PëPïPsPeP°P·P°PSPëPNë PïP°C†C-C" PSC,P°Pj
C-P·:

- PICЦPsPrP¶PµPSPëPj P°P±Ps PrC-P°PiPSPsCГC,PsPIP°PSPëPj PSP°P±CГC,PëPj

PiPsPrPsPIP¶PµPSPSC¶Pj C-PSC,PµC¶PIP°P»Cf QT;

- PiPsC¶CfC¶PµPSPSC¶PjPë PµP»PµPeC,C¶PSP»C-C,PSPsPiPs P±P°P»P°PSCfCf,
P·PsPeC¶PµPjP° PiC¶Pë PSPµCfPePsC¶PëPiPsPIP°PSC-PNë PiC-PiPsPeP°P»C-C”PjC-C—;

- PeP»C-PSC-C¶PSPs P·PSP°C¶CfC%PsC¶ P±C¶P°PrPëPeP°C¶PrC-C”C¶;

- PeP»C-PSC-C¶PSPs P·PSP°C¶CfC%PsC¶ C¶PµC¶C¶PµPIPsC¶ PSPµPrPsCfC,P°C,PSC-CfC,C¶
P·C- P·PSPëP¶PµPSPsC¶ C,,C¶P°PeC¶C-C”C¶ PIPëPePëPrCf P»C-PIPsPiPs C¶P»CfPSPsC¶PeP°;

- CfPëPjPiC,PsPjP°C,PeC¶PSP° P°C¶PëC,PjC-C¶ PI P°PSP°PjPSPµP·C-.

PµC¶PµPiP°C¶P°C, PSPµ C¶P»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë PsPrPSPsC¶P°CfPSPs P·
C-PSC¶PëPjPë PiC¶PµPiP°C¶P°C,P°PjPë, C¶PeC- PiPsPrPsPIP¶CfC¶C,C¶ C-PSC,PµC¶PIP°P» QT
(PrPëPI. C¶PSP·PrC-P» B«P’P·P°C”PjPsPrC-C¶ P· C-PSC¶PëPjPë P»C-PeP°C¶CfC¶PePëPjPë
P·P°CfPsP±P°PjPë C,P° C-PSC¶C- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»).

Pj P·PiB¶™ C¶P·PeCf P· PsP±PjPµP¶PµPSPëPjPë PeP»C-PSC-C¶PSPëPjPë PrP°PSPëPjPë
P·P°CfC,PsCfCfPIP°PSPSC¶ PiC¶PµPiP°C¶P°C,Cf C,P°PePsP¶ PiC¶PsC,PëPiPsPeP°P·P°PSPs
PiP°C¶C-C”PSC,P°Pj C-P· PiPsC¶CfC¶PµPSPSC¶PjPë C,,CfPSPeC¶C-C— PiPµC¶C-PSPePë
(PeP»P°Cf C P·P° PeP»P°CfPëC,,C-PeP°C¶C-C”C¶ P§P°PNëP»PrP°-PµB¶™ C¶) C,P°
PiP°C¶C-C”PSC,P°Pj C-P· PiC-PrPIPëC%PµPSPëPj C¶C-PIPsPµPj C,C¶P°PSCfP°PjC-PSP°P·
(Cf 5 C¶P°P·C-PI PIPëC%Pµ PIPµC¶C...PSC¶PsC— PjPµP¶C- PSPsC¶PjPë).

**P’P·P°C”PjPsPrC-C¶ P· C-PSC¶PëPjPë P»C-PeP°C¶CfC¶PePëPjPë P·P°CfPsP±P°PjPë C,P°
C-PSC¶C- PIPëPrPë PIP·P°C”PjPsPrC-PNë.**

PkPµ PjPsP¶PSP° PIPëPeP»C¶C¶PëC,Pë P°PrPëC,PëPIPSPëPNë PµC,,PµPeC,
PjPsPeCfPëC,,P»PsPeCfP°C¶PëPSCf C,P° C-PSC¶PëC... P»C-PeP°C¶CfC¶PePëC...
P·P°CfPsP±C-PI, C¶PeC- PjPsP¶CfC,C¶ C¶PiC¶PëC¶PëPSPëC,Pë PiPsPrPsPIP¶PµPSPSC¶
C-PSC,PµC¶PIP°P»Cf QT. P’PeP°P·P°PSP° PIP·P°C”PjPsPrC-C¶ PjPsP¶Pµ PiC¶PëP·PIPµCfC,Pë
PrPs P·P±C-P»C¶C¶PµPSPSC¶ C¶PëP·PëPeCf C¶PSP·PIPëC,PeCf C¶P»CfPSPsC¶PePsPIPsC—
P°C¶PëC,PjC-C—, PIPeP»C¶C¶P°C¶C¶Pë B«PiC-C¶CfPµC,PSCfB» C¶P»CfPSPsC¶PePsPICf
C,P°C...C-PeP°C¶PrC-C¶ (*torsade de pointes*). P†P· C¶C-C”C— PiC¶PëC¶PëPSPë
P·P°CfC,PsCfCfPIP°PSPSC¶ PjPsPeCfPëC,,P»PsPeCfP°C¶PëPSCf PI PePsPjP±C-PSP°C¶C-C— P·
P±CfPrC¶C¶PePëPj C-P· PSPëP¶C¶PµP·P°P·PSP°C¶PµPSPëC... P»C-PeP°C¶CfC¶PePëC...
P·P°CfPsP±C-PI PiC¶PsC,PëPiPsPeP°P·P°PSPµ (PrPëPI. C,P°PePsP¶ C¶PSP·PrC-P»
B«PµC¶PsC,PëPiPsPeP°P·P°PSPSC¶B»):

- P°PSC,PëP°C¶PëC,PjC-C¶PSC- PiC¶PµPiP°C¶P°C,Pë PeP»P°CfCf P†P† (PSP°PiC¶PëPeP»P°Pr,
C...C-PSC-PrPëPS, PiC-PrC¶PsC...C-PSC-PrPëPS, PrPëP·PsPiC-C¶P°PjC-Pr);

- P°PSC,PëP°C¶PëC,PjC-C¶PSC- PiC¶PµPiP°C¶P°C,Pë PeP»P°CfCf P†P† (PSP°PiC¶PëPeP»P°Pr,
P°PjC-PsPrP°C¶PsPS, CfPsC,P°P»PsP», PrPsC,,PµC,PëP»C-Pr, C-P±CfC,PëP»C-Pr);

- P°PSC,PëPiCfPëC...PsC,PëC¶PSC- PiC¶PµPiP°C¶P°C,Pë (PSP°PiC¶PëPeP»P°Pr,
C,,PµPSPsC,C-P°P·PëPSPë, PiC-PjPsP·PëPr, C¶PµC¶C,PëPSPrPsP», PiP°P»PsPiPµC¶PëPrPsP»,
CfCfP»C¶C,PsPiC¶PëPr);

- C,C¶PëC¶PëPeP»C-C¶PSC- P°PSC,PëPrPµPiC¶PµCfP°PSC,Pë;

- PrPμCΠPeC- PiCḡPsC,PëPjC-PeCḡPsP±PSC- P·P°CÍPsP±Pë (CÍP°PePIC-PSP°PIC-Cḡ, CÍPiP°CḡC,,P»PsPeCÍP°C†PëPS, PμCḡPëC,CḡPsPjC-C†PëPS PrP»CΠ PIPSCfC,CḡC-CëPSCḡPsPIPμPSPSPsPiPs PIPIPμPrPμPSPSCΠ, PiPμPSC,P°PjC-PrPëPS, PiCḡPsC,PëPjP°P»CΠCḡC-PNëPSC- PiCḡPμPiP°CḡP°C,Pë, P·PsPeCḡPμPjP° PiP°P»PsC,,P°PSC,CḡPëPS);

- PrPμCΠPeC- P°PSC,PëPiC-CÍC,P°PjC-PSPë (C,PμCḡC,,PμPSP°PrPëPS, P°CÍC,PμPjC-P·PsP», PjC-P·PsP»P°CÍC,PëPS);

- C-PSCëC- (C†PëP·P°PiCḡPëPr, PIC-PSPeP°PjC-PS IV, P±PμPiCḡPëPrPëP», PrPëC,,PμPjP°PSC-P»).

PḡPsPeCÍPëC,,P»PsPeCÍP°C†PëPS CÍP»C-Pr P· PsP±PμCḡPμPΠPSC-CÍC,Cḡ PiCḡPëP·PSP°C†P°C,Pë PiP°C†C-C”PSC,P°Pj, CΠPeC- PiCḡPëPNëPjP°CḡC,Cḡ PiCḡPμPiP°CḡP°C,Pë, C%Ps PjPsPΠCfC,Cḡ P·PSPëPΠCfPiP°C,Pë CḡC-PIPμPSCḡ PeP°P»C-Cḡ (PSP°PiCḡPëPeP»P°Pr, PiPμC,P»CḡPsPIC- C,P° C,C-P°P·PëPrPSC- PrC-CfCḡPμC,PëPePë, PeP»C-P·PjPë C,P° PiCḡPsPSPsCÍPSC- P·P°CÍPsP±Pë (Cf PIPëCÍPsPePëC... PrPsP·P°C...), PePsCḡC,PëPePsCÍC,PμCḡPsC—PrPë, P°PjC,,PsC,PμCḡPëC†PëPS P’), P°P±Ps PiCḡPμPiP°CḡP°C,Pë, PrC-CΠ CΠPePëC... PiPsPiBḡ™ CΠP·P°PSP° P· PeP»C-PSC-C†PSPs P·PSP°C†CfC%PsCḡ P±CḡP°PrPëPeP°CḡPrC-C”Cḡ.

PḡC-PΠ PiCḡPëPNëPsPjPsPj PiCḡPμPiP°CḡP°C,C-PI, CΠPeC- PjC-CÍC,CΠC,Cḡ P±C-PIP°P»PμPSC,C- P°P±Ps C,CḡPëPIP°P»PμPSC,PSC- PeP°C,C-PsPSPë (C,P°PePëC... CΠPe P°PSC,P°C†PëPrPë, C%Ps PjC-CÍC,CΠC,Cḡ PjP°PiPSC-PNë P°P±Ps P°P»CḡPjC-PSC-PNë, PrPëPrP°PSPsP·PëPS Cf C,P°P±P»PμC,PeP°C..., CÍCfPeCḡP°P»C,,P°C, C,P° P»C-PeP°CḡCfCḡPeC- P·P°CÍPsP±Pë, C%Ps PjC-CÍC,CΠC,Cḡ P·P°P»C-P·Ps P°P±Ps C†PëPSPe), C,P° PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSPsPj PSPμPsP±C...C-PrPSPëPNë C-PSC,PμCḡPIP°P» PiCḡPëP±P»PëP·PSPs 6 PiPsPrPëPS.

PμCḡPë PsPrPSPsC†P°CÍPSPsPjCf P·P°CÍC,PsCÍCfPiP°PSPSC- P°PeC,PëPIPpsPIP°PSPsPiPs PICfPiC-P»P»CΠ C- PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCf PiPμCḡPsCḡP°P»CḡPSPs PI PrPsP·C- 400 PjPi CÍPëCÍC,PμPjPSP° P±C-PsPrPsCÍC,CfPiPSC-CÍC,Cḡ PiCḡPμPiP°CḡP°C,Cf P·PSPëPΠCfC”C,CḡCfCΠ P±C-P»CḡCë PSC-PΠ PSP° 80 % PIPSP°CÍP»C-PrPsPe PiCḡPëPiPSC-C†PμPSPSCΠ PNëPsPiPs P°P±CÍPsCḡP±C†C-C—. PJ P·PiBḡ™ CΠP·PeCf P· C†PëPj PsPrPSPsC†P°CÍPSPμ P·P°CÍC,PsCÍCfPiP°PSPSCΠ C†PëC... PrPIPsC... PiCḡPμPiP°CḡP°C,C-PI PSPμ CḡPμPePsPjPμPSPPrPsPIP°PSPμ (P·P° PIPëPSCΠC,PePsPj PIPëPiP°PrPeC-PI PiPμCḡPμPrPsP·CfPiP°PSPSCΠ, PrPëPI. C,P°PePsPΠ CḡPsP·PrC-P» B«PμPμCḡPμPrPsP·CfPiP°PSPSCΠB»).

PμC-CÍP»CΠ P±P°PiP°C,PsCḡP°P·PsPIPpsPiPs P·P°CÍC,PsCÍCfPiP°PSPSCΠ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCf Cf P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPpsP»CḡC†C-PI CÍPiPsCÍC,PμCḡC-PiP°P»PsCÍCΠ P·P±C-P»CḡCëPμPSPSCΠ Pḡ_{max} PrPëPiPsPeCÍPëPSCf PiCḡPëP±P»PëP·PSPs PSP° 30 % Cf CḡC-PIPSPsPIP°PΠPSPsPjCf CÍC,P°PSC- P±PμP· PIPiP»PëPICf PSP° AUC. PḡC,PΠPμ, PiPsC,CḡPμP±Pë Cf P·P°CÍC,PμCḡPμPΠPSPëC... P·P°C...PsPrP°C... PiCḡPë CÍCfPiCfC,PSCHḡPsPjCf PiCḡPëPNëPsPjC- PrPëPiPsPeCÍPëPSCf PSPμPjP°C”.

PμC-Pr C†P°CÍ PrPsCÍP»C-PrPΠPμPSCḡ P·P° CfC†P°CÍC,Cḡ PrPsP±CḡPsPIPpsP»CḡC†C-PI, C...PIPpsCḡPëC... PSP° PrC-P°P±PμC,, PsPrPSPsC†P°CÍPSPμ P·P°CÍC,PsCÍCfPiP°PSPSCΠ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCf PiPμCḡPsCḡP°P»CḡPSPs C,P° PiP»C-P±PμPSPeP»P°PjC-PrCf PiCḡPëP·PiPsPrPëP»Ps PrPs P·PSPëPΠPμPSPSCΠ PePsPSC†PμPSC,CḡP°C†C-C— PiP»C-P±PμPSPeP»P°PjC-PrCf PSP° PiC-PePsPIPpsPjCf CḡC-PIPSC-

PiCḡPēP±P»PēP·PSPs PSP° 21 %. PḡPsPjP±C-PSP°C†C-Cḡ PiP»C-P±PμPSPeP»P°PjC-PrC† P·
PjPsPeC†PēC,,P»PsPeC†P°C†PēPSPsPj C,PμPsCḡPμC,PēC±PSPs PjPsPḡPμ PiCḡPēP·PIPμC†C,Pē
PrPs PSPμP·PSP°C±PSPsC— PePsCḡPsC,PePsC,CḡPēPIP°P»PsC— PiC-PiPμCḡPiP»C-PePμPjC-C—.
PḡPrPSP°Pe P·PjC-PSPē C† C,,P°CḡPjP°PePsPeC-PSPμC,PēC†C-, CḡPeC-
C†PiPsC†C,PμCḡC-PiP°P»PēC†Cḡ, PSPμ PiCḡPēP·PIPμPrPēP»Pē PrPs P·PjC-PS
C,,P°CḡPjP°PePsPrPēPSP°PjC-C±PSPēC... PiP°CḡP°PjPμC,CḡC-PI (CḡC-PIPμPSCḡ
PiP»CḡPePsP·Pē C† PeCḡPsPIC-, CḡC-PIPμPSCḡ C-PSC†C†P»C-PSC†). PḡP°PePēPj C±PēPSPsPj,
PeP»C-PSC-C±PSPs CḡPμP»PμPIP°PSC,PSPsC— PIP·P°C”PjPsPrC-C— PjC-Pḡ
PjPsPeC†PēC,,P»PsPeC†P°C†PēPSPsPj C,P° PiP»C-P±PμPSPeP»P°PjC-PrPsPj PSPμ
PIPēCḡPIP»PμPSPs.

Pj PiP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjC†PIP°P»Pē PiPμCḡPsCḡP°P»CḡPSC-
P°PSC,PēPePsP°PiC†P»CḡPSC,Pē C† PiPsC”PrPSP°PSPSC- P·
P°PSC,PēP±P°PeC,PμCḡC-P°P»CḡPSPēPjPē PiCḡPμPiP°CḡP°C,P°PjPē, C† C,PsPjC† C±PēC†P»C-
P· C,,C,PsCḡC...C-PSPsP»PsPSP°PjPē, PjP°PeCḡPsP»C-PrP°PjPē, C,PμC,CḡP°C†PēPeP»C-PSP°PjPē,
PePsC,CḡPēPjPsPeC†P°P·PsP»PsPj C,P° PrPμCḡPePēPjPē C†PμC,,P°P»PsC†PiPsCḡPēPSP°PjPē,
PIC-PrP·PSP°C±P°P»PēC†Cḡ C±PēC†P»PμPSPSC- PIPēPiP°PrPePē PiC-PrPIPēC%PμPSPSCḡ
P°PSC,PēPePsP°PiC†P»CḡPSC,PSPsC— P°PeC,PēPIPSPsC†C,C-. PḡP°PeC,PsCḡP°PjPē
CḡPēP·PēPeC† C” C-PSC,,PμPeC†C-PN₂PSC- P·P°C...PIPμCḡCḡPIP°PSPSCḡ (C-
C†C†PiC†C,PSC-PN₂ P·P°PiP°P»CḡPSPēPN₂ PiCḡPsC†PμC†), PIC-Pe C,P° P·P°PiP°P»CḡPSPēPN₂
C†C,P°PS PiP°C†C-C”PSC,P°. Pj P·Piḡḡ™ CḡP·PeC† P· C†PēPjPē PsP±C†C,P°PIPēPSP°PjPē
PIP°PḡPePs PsC†C-PSPēC,Pē, C±Pē C†PiCḡPēC±PēPSCḡC” C-PSC,,C-PeC†PIP°PSPSCḡ P°P±Ps
P»C-PeC†PIP°PSPSCḡ PIC-PrC...PēP»PμPSPSCḡ PiPsPeP°P·PSPēPeP° PjC-PḡPSP°CḡPsPrPSPsPiPs
PSPsCḡPjP°P»C-P·PsPIP°PSPsPiPs PIC-PrPSPsCḡPμPSPSCḡ (PḡPḡP). PīPe
P·P°C†C,PμCḡPμPḡPSPēPN₂ P·P°C...C-Pr PjPsPḡP»PēPIPēPN₂ C±P°C†C,C-CḡPēPN₂
PjPsPSC-C,PsCḡPēPSPi PḡPḡP. Pj CḡP°P·C- PSPμPsP±C...C-PrPSPsC†C,C- C†P»C-Pr
PiCḡPsPIPμC†C,Pē PSP°P»PμPḡPSPμ PePsCḡPēPiC†PIP°PSPSCḡ PrPsP·Pē
PiPμCḡPsCḡP°P»CḡPSPsPiPs PePsP°PiC†P»CḡPSC,P°.

P”P»Cḡ PSPēPḡC±PμPSP°PIPμPrPμPSPēC... CḡPμC±PsPIPēPS P±C†P»P° PrPsPIPμPrPμPSP°
PIC-PrC†C†C,PSC-C†C,Cḡ PeP»C-PSC-C±PSPs P·PSP°C±C†C%PsC— PIP·P°C”PjPsPrC-C— P·
PjPsPeC†PēC,,P»PsPeC†P°C†PēPSPsPj: CḡP°PSC-C,PēPrPēPS, PeP°P»CḡC†C-C”PIC-
PrPsP±P°PIPePē, C,PμPsC,,C-P»C-PS, PiPμCḡPsCḡP°P»CḡPSC- PePsPSC,CḡP°C†PμPiC,PēPIPē,
C†PēPeP»PsC†PiPsCḡPēPS, C-C,CḡP°PePsPSP°P·PsP», PjPsCḡC,,C-PS PiCḡPē
PiP°CḡPμPSC,PμCḡP°P»CḡPSPsPjC† PIPiPμPrPμPSPSC-, PiCḡPsP±PμPSPμC†PēPr.
P”PsC†P»C-PrPḡPμPSPSCḡ *in vitro* C,,PμCḡPjPμPSC,C-PI C†PēC,PsC...CḡPsPjC† P 450 C†
P»CḡPrPēPSPē PiC-PrC,PIPμCḡPrPēP»Pē PIPēC%PμP·P°P·PSP°C±PμPSPμ. P’PμCḡC†C±Pē PrPs
C†PIP°PiPē P·P°P·PSP°C±PμPSC- CḡPμP·C†P»CḡC,P°C,Pē, PjPμC,P°P±PsP»C-C±PSP°
PIP·P°C”PjPsPrC-Cḡ C±PμCḡPμP· C,,PμCḡPjPμPSC,Pē C†PēC,PsC...CḡPsPjC† P 450 C”
PjP°P»PsPIC-CḡPsPiC-PrPSPsCḡ.

PḡP±C†PsCḡP±C†C-Cḡ PjPsPeC†PēC,,P»PsPeC†P°C†PēPSC† PSPμ P·P°P»PμPḡPēC,Cḡ PIC-Pr
PIPḡPēPIP°PSPSCḡ C—PḡC- (PIPeP»CḡC±P°CḡC±Pē PjPsP»PsC±PSC- PiCḡPsPrC†PeC,Pē).
P—PIP°PḡP°CḡC±Pē PSP° C†Pμ, PjPsPeC†PēC,,P»PsPeC†P°C†PēPS PjPsPḡPSP°
P·P°C†C,PsC†PsPIC†PIP°C,Pē PSPμP·P°P»PμPḡPSPs PIC-Pr PIPḡPēPIP°PSPSCḡ C—PḡC-.

PḡC†PsP±P»PēPIPμC†C,C- P·P°C†C,PsC†CḡPIP°PSPSCḡ.

PḡPμPsP±C...C-PrPSPs C†PSPēPeP°C,Pē P·P°C†C,PsC†C†PIP°PSPSCḡ
PjPsPeC†PēC,,P»PsPeC†P°C†PēPSC† PiP°C†C-C”PSC,P°Pj, C† CḡPePēC... PI

PjPëPSCrP»PsPjCr CÍPìPsCÍC,PµCḡC-PiP°P»PëCÍCḡ CÍPµCḡPNëPsP-PSC-
PìPsP±C-C±PSC- CḡPµP°PeC†C-C— PìCḡPë P·P°CÍC,PSCÍCrPIP°PSPSC-
P»C-PeP°CḡCÍCHPePëC... P·P°CÍPsP±C-PI, C%Ps PjC-CÍC,CḡC,CH C...C-PSPsP»PsPS
P°P±Ps C,,C,PSCḡC...C-PSPsP»PsPS (PrPëPI. CḡPsP·PrC-P» B«PµPsP±C-C±PSC-
CḡPµP°PeC†C-C—B»). P»C-PeCÍPIP°PSPSCḡ C†PëC... PìP°C†C-C”PSC,C-PI
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSPsPj CÍP»C-Pr CḡPsP·PìPsC±PëPSP°C,Pë P»PëC€Pµ P·P°
PIC-PrCÍCrC,PSPsCÍC,C- P°P»CHC,PµCḡPSP°C,PëPIPSPëC... PIP°CḡC-P°PSC,C-PI
P»C-PeCÍPIP°PSPSCḡ C,P° PìC-CÍP»Cḡ CḡPµC,PµP»CHPSPsC— PsC†C-PSPePë
CÍPìC-PIPIC-PrPSPsC€PµPSPSCḡ PePsCḡPëCÍC,CH/CḡPëP·PëPe (PrPëPI. C,P°PePsP¶
CḡPsP·PrC-P» B«PµCḡPsC,PëPìPsPeP°P·P°PSPSCḡB»).

PµPsPIC-PrPsPjP»CḡP»PsCÍCH PìCḡPs PìC-PìPµCḡC±C†C,P»PëPIC-CÍC,CH C-
P°P»PµCḡPìC-C±PSC- CḡPµP°PeC†C-C— PSP° C,,C,PSCḡC...C-PSPsP»PsPSPë,
PIPeP»CḡC±P°CḡC±Pë PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS, PìC-CÍP»Cḡ PìPµCḡC€PsPìPs
P·P°CÍC,PSCÍCrPIP°PSPSCḡ P»C-PeP°CḡCÍCHPePsPìPs P·P°CÍPsP±C†.
PḡPSP°C,,C-P»P°PeC,PëC±PSC- CḡPµP°PeC†C-C— PjPsP¶C†C,CH
PìCḡPsPìCḡPµCÍCrPIP°C,Pë PrPs P·P°PìCḡPsP·P»PëPIPìPs PrP»Cḡ P¶PëC,C,Cḡ
P°PSP°C,,C-P»P°PeC,PëC±PSPsPìPs C€PsPeC†, PSP°PIC-C,CH PìC-CÍP»Cḡ PìPµCḡC€PsPìPs
P·P°CÍC,PSCÍCrPIP°PSPSCḡ. P’ C†PëC... PIPëPìP°PrPeP°C... CÍP»C-Pr PìCḡPëPìPëPSPëC,Pë
PìCḡPëPNëPsPj PìCḡPµPìP°CḡP°C,C† C,P° CḡPsP·PìPsC±P°C,Pë PIC-PrPìPsPIC-PrPSC†
C,PµCḡP°PìC-Cḡ (PSP°PìCḡPëPeP»P°Pr, PìCḡPsC,PëC€PsPePsPIC†).

PµCḡPë P·P°CÍC,PSCÍCrPIP°PSPSC- PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSC† C† PrPµCḡPëPëC...
PìP°C†C-C”PSC,C-PI PjPsP¶P»PëPIPµ P·P±C-P»CHC€PµPSPSCḡ C-PSC,PµCḡPIP°P»C† QT PSP°
PµP»PµPeC,CḡPsPeP°CḡPrC-PsPìCḡP°PjC- (P·PḡP”). PḡPSP°P»C-P· CḡPµP·C†P»CHC,P°C,C-PI
P·PḡP”, PsC,CḡPëPjP°PSPëC... C† CḡP°PjPeP°C... PìCḡPsPìCḡP°PjPë PeP»C-PSC-C±PSPëC...
PrPsCÍP»C-PrP¶PµPSCḡ, PìPsPeP°P·P°PI, C%Ps PìPsPrPsPIP¶PµPSPSCḡ C-PSC,PµCḡPIP°P»C†
QTc PìCḡPë P·P°CÍC,PSCÍCrPIP°PSPSC- PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSC†
CÍC,P°PSPsPIPëP»Ps 6 PjC† B± 26 PjC†; 1,4 % PìPsCḡC-PIPSḡPSPs P· PIPëC...C-PrPSPëPj
CḡC-PIPSµPj.

PḡC†PeC-P»CHPePë C† P¶C-PSPsPe PIC-PrP·PSP°C±P°C”C,CHCÍCḡ PrPsPIC€PëPNë
C-PSC,PµCḡPIP°P» QT PìPsCḡC-PIPSḡPSPs P· C±PsP»PsPIC-PeP°PjPë, PìPsPSPë PjPsP¶C†C,CH
PIPëCḡPIPëC,PëCÍCḡ P±C-P»CHC€ C†C†C,P»PëPIPëPjPë PrPs PìCḡPµPìP°CḡP°C,C-PI, CḡPeC-
PìPsPrPsPIP¶C†CḡC,CH C-PSC,PµCḡPIP°P» QT. PµP°C†C-C”PSC,Pë P»C-C,PSCḡPsPìPs PIC-PeC†
C,P°PePsP¶ PjPsP¶C†C,CH P±C†C,Pë P±C-P»CHC€ CÍPìCḡPëPNëPSCḡC,P»PëPIPëPjPë PrPs
P°CÍPsC†C-PNëPsPIP°PSPëC... C-P· PìCḡPµPìP°CḡP°C,PSPj PµC,,PµPeC,C-PI PSP°
C-PSC,PµCḡPIP°P» QT.

PµP°C†C-C”PSC,P°Pj, CḡPeC- PìCḡPëPNëPjP°CḡC,CH PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS,
CÍP»C-Pr P· PsP±PµCḡPµP¶PSC-CÍC,Cḡ P·P°CÍC,PSCÍPsPIC†PIP°C,Pë PìCḡPµPìP°CḡP°C,Pë,
C%Ps PjPsP¶C†C,CH PìCḡPëP·PIPµCÍC,Pë PrPs P·PSPëP¶PµPSPSCḡ CḡC-PIPSḡC PeP°P»C-Cḡ
(PrPëPI. CḡPsP·PrC-P»Pë B«PµCḡPsC,PëPìPsPeP°P·P°PSPSCḡB» C,P° B«P·P°C”PjPsPrC-Cḡ P·
C-PSC€PëPjPë P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë
PIP·P°C”PjPsPrC-PNëB»).

PḡPµPsP±C...C-PrPSPs P· PsP±PµCḡPµP¶PSC-CÍC,Cḡ PìCḡPëP·PSP°C±P°C,Pë
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS PìP°C†C”PSC,P°Pj C-P· C,CḡPëPIP°CḡC±PëPj
PìCḡPsP°CḡPëC,PjPsPìPµPSPSPëPj CÍC,P°PSPsPj (PSCÍPsP±P»PëPìPs PìP°C†C-C”PSC,P°Pj
P»C-C,PSCḡPsPìPs PIC-PeC† C,P° P¶C-PSPeP°Pj PjPsP»PsPrC€PsPìPs PIC-PeC†), C,P°PePëPj

СІРР РіРсСІГ,СІРР РјС-РсРерСІРРР-Р»СІРРР С-СРРРР-СІ Р»Р±Рс
РіРсРрРсРІРРРРРРРРР С-РСР,РμСІРРР»СІ РТ, РсСІРер-Р»СІРРер СІРμ РјРсРІРμ
РіСІРРерР-РІРμСІГ,Рер РрРс РіС-РрРІРерС%РμРРРРР СІРРерР-РерерСІ СІРРсР-РІРер,РерСІ
СРР»СІРРРсСІРерРсРІРер... Р»СІРРер,РјС-Р№, РІРер»СІСІР»СІСІРер В«РіС-СІСІРμС,РСІР»
СРР»СІРРРсСІРерРсРІРер С,Р»С...С-РерСІРРР-СІ (*torsade de pointes*), С- Р-СІРіРерРРРер
СІРμСІРРР-СІ (РрРерІ. СІРРсР-РрС-Р» В«РμСІРРс,РерРіРсРерР-Р»РРРРРР»). РҮС,СІРіС-РСІР
РіРсРрРсРІРРРРРРРРР С-РСР,РμСІРРР»СІ РТ РјРсРІРμ РіС-РрРІРерС%СІРРер,РерСІСІ С-Р-
РіС-РрРІРерС%РμРРРРР РерРсРСІРμС,СІРР»СІС-С— РіСІРμРіР»СІРРер,СІ. РҮРсРјСІ РСРμ
СІРР»С-Рр РіРμСІРРμРІРерС%СІРРер,Рер СІРμРерРсРјРμРРРРРРРРР РрРсР-СІ.

РкРμРсР±С...С-РрРРР Р-РІР»РІРер,Рер РерСІРРерСІС,СІР РІС-Рр Р»С-РерСІРР»РРРРР
РјРсРерСІРер,,Р»РсРерСІР»СІРРерР, РсСІРсР±Р»РерРс СІ РІРерРіР»РрРерС...
С-РСР,,РμРерСІС-Р№ РРРер-СІРерРсРіС СІС,СІРіРμРРРР С,СІРРІРерСІС,С-,
Р-РіС-РрРРР Р- С-РСР,,РсСІРР»СІС-С»СІ, РІРерРер»Р»РрРμРРРсСІ СІ СІРсР-РрС-Р»С-
В«РіСІРсР±Р»РерРсСІС,С- Р-Р»СІС,РсСІСІРР»РРРРРРР».

РІРерС%Рс РіС-Рр СІР»СІ Р-Р»СІС,РсСІСІРР»РРРРР Р»С-РерСІСІСІРерРсРіС
Р-Р»СІРсР±СІ РІРерРРерРерСІС,СІ СІРерРіРіС,РсРјРер Р»СІРер,РјС-С—, СІР»С-Рр
РіСІРерРіРерРРРер,Рер Р»С-РерСІРР»РРРРР С,Р» Р-СІРсР±Рер,Рер Р-Р»Р»

РμСІРер Р-Р»СІС,РсСІСІРР»РРРРР- РјРсРерСІРер,,Р»РсРерСІР»СІРРерР
РіРсРІС-РрРсРјР»СІР»РсСІСІ РіСІРс РІРерРіР»РрРерС,,СІР»СІРР-РРР»РР,РРРсРіС
РіРμРіР»С,Рер,СІ, С%Рс РіРс,РμРРР-Р№РРР РіСІРерР-РІРсРерС,СІ РрРс
РіРμСІС-РРерРсРІС— РРРРрРсСІС,Р»С,РРРсСІС,С- (СІ С,.СІ. Р- Р»РμС,Р»Р»СІРРер
РРР»СІРР»С-РрРерРсР) (РрРерІ. СІРРсР-РрС-Р» В«РμРсР±С-СІРР- СІРμР»РерСІС-С—В»).
РμР»СІС-С»РР,Р»Р СІР»С-Рр СІРμРерРсРјРμРРРрСІРРер,Рер Р-РІРμСІРРерСІС,РерСІСІ РрРс
Р»С-РерСІРР»РРРРР РіРμСІРРμРр С,РерР, СІРРер РіСІРсРрРсРІРР»СІРРер,Рер
Р»С-РерСІРР»РРРРР, СІРерС%Рс СІРсР-РІРерР»СІС,СІСІСІ С,Р»Рер-
РсР-РРР»Рер С,Р» СІРерРіРіС,РсРјРер С,,СІР»СІРР-РРР»РР,РРРсРіС,РРРсРіС,
СІРРер РіРсРІР» СІР-Р»РР Р- РІРсРІС,СІРРерСІРРер Р»СІС,РμРР-СІС, С%Рс
СІРРерРрРерС СІРсР-РІРерР»СІС,СІСІСІ С,РμРјРРР» СІРμСІР,
СІС...Рер»СІРР-СІС,СІ РрРс РерСІРсРІС,РμСІ Р»Р±Рс РіРμСІС-РРерРІР
РμРРР»РμС,,Р»Р»РсРіС,С-СІ.

Рј СІРР»Р- РІРерРРерРРРРРРР СІРерРіРіС,РсРјС-РІ РрРерСІС,,СІРРерСІС-С—
РіРμСІС-РРерРер РРРμРсР±С...С-РрРРР РіСІРсРІРРРР,Рер Р»РРР»С-Р-
С,,СІРРерСІС-С— РіРμСІРІРРерР/РсР±СІС,РμРІРμРРРРР.

РҮСІРРІРер- СІРер-СІРР- РіРсР±С-СІРР- СІРμР»РерСІС-С—

РμРсРІС-РрРсРјР»СІР»РсСІСІ РіСІРс С,СІРРІРер- СІРер-СІРР- РіРсР±С-СІРР-
СІРμР»РерСІС-С— (SCARs), РІРер»СІСІР»СІСІРер С,РсРерСІРерСІРРерР
РμРіС-РрРμСІРР»Р»СІРРерР РРРμРерСІРсР»С-Р- (TEN: С,Р»РерРсРІ РІС-РрРсРјРерР
СІРРер СІРерРРРсРј Р»Р»Р»Р»Р»Р»Р», СІРерРРРсРј РҮС,С-РІРμРРРР-
Р»РІРсРРРРР (SJS), РіРсСІС,СІРРерР РіРμРРРμСІРР»С-Р-РсРІР»РРерР
РμРер-РμРјР»С,РсР-РРРер РіСІСІС,СІР»СІР» (AGEP) С,Р» С-РРРрСІРерРІРРРР
Р»С-РерСІСІСІРерРерР Р-Р»СІРсР±С РјРсР-РерРсС,,С-Р»С-СІ Р-
СІРерСІС,РμРјРРРерРер СІРерРіРіС,РсРјР»Р»Р (DRESS), СІРРер- РјРсРІС,СІ Р±СІС,Рер
РРРμР±РμР-РіРμСІРРер РрР»СІ РІРер,С,СІ Р»Р±Рс Р»РμС,Р»Р»СІРРерР

(PrPëPI. CĤPsP·PrC-P» B«PıPsP±C-C‡PSC- CĤPıP°PeC†C-C—B»). P´P° C‡P°CÍ PİCĤPëP·PSP°C‡PıPSPSCİ PİCĤPıPİP°CĤP°C,CÍ PİP°C†C-C”PSC,C-PI CÍP»C-Pr PİPsPİPıCĤPıPıPëC,Pë PİCĤPs PsP·PSP°PePë C,P° CÍPëPjPİC,PsPjPë C,CİPıPıPePëC... C€PeC-CĤPSPëC... CĤPıP°PeC†C-PNë C,P° CĤPıC,PıP»CĤPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë CÍC,P°PS PİP°C†C-C”PSC,C-PI. PİPeC%oPs P·BĤ™ CİPIP»CİCĤC,CĤCÍCİ PsP·PSP°PePë C,P° CÍPëPjPİC,PsPjPë, C%oPs CÍPIC-PrC‡P°C,CĤ PİCĤPs C†C- CĤPıP°PeC†C-C—, PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS CÍP»C-Pr PSPıPıP°PNëPSPs PİCĤPëPİPëPSPëC,Pë, P° C,P°PePsPı CĤPsP·PıP»CİPSCÍC,Pë P°P»CĤC,PıCĤPSP°C,PëPİPSPı P»C-PeCÍPIP°PSPSCİ. PİPeC%oPs CÍ PİP°C†C-C”PSC,P° CĤPsP·PIPëPSCÍP»P°CÍCĤ C,P°PeP° CÍPıCĤPNëPsP·PSP° CĤPıP°PeC†C-Cİ, CİPe SJS, TEN, AGEP, P°P±Ps DRESS, PSP° P·P°CÍC,PsCÍCÍPIP°PSPSCİ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCÍ, P»C-PeCÍPIP°PSPSCİ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSPsPj CÍ C†CĤPsPıPs PİP°C†C-C”PSC,P° PSC- PI CİPePsPjCÍ CĤP°P·C- PSPı PİPsPIPëPSPSPs PİPsPSPsPIP»CĤPIP°C,PëCÍCĤ.

P’C-PrPsPjPs, C%oPs C...C-PSPsP»PsPSPë PjPsPıCÍC,CĤ CÍPİCĤPsPIPıPeCÍPIP°C,Pë CĤPsP·PIPëC,PsPe CÍCÍPrPsPjPSPëC... PSP°PİP°PrC-PI. PĤPsPeCÍPëC,,P»PsPeCÍP°C†PëPS CÍP»C-Pr P· PsP±PıCĤPıPıPıPSC-CÍC,CĤ P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PİP°C†C-C”PSC,P°Pj C-P· CĤPsP·P»P°PrP°PjPë C†PıPSC,CĤP°P»CĤPSPsC— PSPıCĤPIPıPsPıC— CÍPëCÍC,PıPjPë (PıPıPı) P°P±Ps P· C-PSC€PëPjPë C,,P°PeC,PsCĤP°PjPë CĤPëP·PëPeCÍ, C%oPs PjPsPıCÍC,CĤ CÍPİCĤPëC‡PëPSPëC,Pë CÍCÍPrPsPjPSC- PSP°PİP°PrPë P°P±Ps P·PSPëP·PëC,Pë PİPsCĤC-Pi PİPëPSPëPePSPıPSPSCİ PsCÍC,P°PSPSC-C.... PJ CĤP°P·C- PİPëPSPëPePSPıPSPSCİ CÍCÍPrPsPj PSPıPsP±C...C-PrPSPs PİCĤPëPİPëPSPëC,Pë P·P°CÍC,PsCÍCÍPIP°PSPSCİ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCÍ C,P° PİPıPëC,Pë PIC-PrPİPsPIC-PrPSPëC... P·P°C...PsPrC-PI.

PJ PİP°C†C-C”PSC,C-PI, CİPeC- PİCĤPëPNëPjP°P»Pë C...C-PSPsP»PsPSPë, PİPeP»CĤC‡P°CĤC‡Pë PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS, P·P°C,,C-PeCÍPsPIP°PSPs PİPëPİP°PrPePë CÍPıPSCÍPsCĤPSPsC— P°P±PsCÍPıPSCÍPsCĤPSPs-CĤCÍC...PsPIPıC— PİPsP»C-PSPıPNëCĤPsPİP°C,C-C—, C%oPs PİCĤPëP·PIPıPrPëC,CĤ PrPs PİP°CĤPıCÍC,PıP·C-C—, PİC-PİPsPıCÍC,PıP·C-C—, PrPëP·PıCÍC,PıP·C-C— P°P±Ps CÍP»P°P±PePsCÍC,C-. PİPeC%oPs CĤPsP·PIPëPIP°CĤC,CĤCÍCİ C,P°PeC- CÍPëPjPİC,PsPjPë PSPıPICĤPsPİP°C,C-C—, CİPe P±C-P»CĤ, PİPıC‡C-PSPSCİ, PİPsPePsP»CĤPIP°PSPSCİ, PsPSC-PjC-PSPSCİ P°P±Ps CÍP»P°P±PeC-CÍC,CĤ, PİP°C†C-C”PSC,P°Pj, CİPeC- PsC,CĤPëPjCÍCĤC,CĤ P»C-PeCÍPIP°PSPSCİ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSPsPj, CÍP»C-Pr PİPsPIC-PrPsPjPëC,Pë PİCĤPs C†Pı P»C-PeP°CĤCİ, PİPıCĤC€ PSC-Pı PİCĤPsPrPsPIPıCÍPIP°C,Pë P»C-PeCÍPIP°PSPSCİ, C%oPsP± P·P°PİPsP±C-PİC,Pë CĤPsP·PIPëC,PeCÍ PİPsC,PıPSC†C-PNëPSPs PSPıP·PIPıCĤPsC,PSPsPıPs CÍC,P°PSCÍ (PrPëPI. CĤPsP·PrC-P» B«PıPsP±C-C‡PSC- CĤPıP°PeC†C-C—B»).

P PıP°PeC†C-C— P· P±PsPeCÍ PİCÍPëC...C-PePë PjPsPıCÍC,CĤ CĤPsP·PIPëPIP°C,PëCÍCİ PSP°PIC-C,CĤ PİC-CÍP»Cİ PİPıCĤC€PsPıPs P·P°CÍC,PsCÍCÍPIP°PSPSCİ C...C-PSPsP»PsPSC-PI, PİPeP»CĤC‡P°CĤC‡Pë PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS. PJ CĤC-PrPeC-CÍPSPëC... PİPëPİP°PrPeP°C... PrPıPİCĤPıCÍC-Cİ P°P±Ps PİCÍPëC...PsC,PëC‡PSC- CĤPıP°PeC†C-C— PİCĤPëP·PIPıPrPëP»Pë PrPs PİPëPSPëPePSPıPSPSCİ CÍCÍC—C†PëPrP°P»CĤPSPëC... PrCÍPjPsPe C,P° CĤPsP·PIPëC,PeCÍ CÍP°PjPsP°PİCĤPıCÍC-C—, C,P°PePsC— CİPe CÍPİCĤPsP±P° CÍP°PjPsPıCÍP±CÍC,PIP° (PrPëPI. CĤPsP·PrC-P» B«PıPsP±C-C‡PSC- CĤPıP°PeC†C-C—B»). PJ CĤP°P·C- PİPëPSPëPePSPıPSPSCİ CÍ PİP°C†C-C”PSC,P° C,P°PePëC... CĤPıP°PeC†C-PNë PSPıPsP±C...C-PrPSPs PİCĤPëPİPëPSPëC,Pë

P·P°CÍC,PsCÍCÍPIP°PSPSCÍ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCr C,P° PIP¶PëC,Pë
PIC-PrPiPsPIC-PrPSPëC... P·P°C...PsPrC-PI. P PµPePsPjPµPSPPrPsPIP°PSPs P·
PsP±PµCḡPµP¶PSC-CÍC,Cḡ PiCḡPëP·PSP°C†P°C,Pë PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS
PïP°C†C-C”PSC,P°Pj, CÍPeC- CÍC,CḡP°P¶PrP°CḡC,Cḡ PiCÍPëC...PsP·PsPj, P°P±Ps
PïP°C†C-C”PSC,P°Pj, CÍPeC- PjP°CḡC,Cḡ PI P°PSP°PjPSPµP·C- PiCÍPëC...C-C†PSC-
P·P°C...PIPsCḡCḡPIP°PSPSCÍ.

PJ P·PIBḡ™ CÍP·PeCÍ P·C- P·P°CÍC,PsCÍCÍPIP°PSPSCÍPj P°PSC,PëP±C-PsC,PëPeC-PI
C€PëCḡPsPePsPiPs CÍPiPµPeC,CḡP° PrC-C—, PI C,PsPjCÍ C†PëCÍP»C-
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCr, PiPsPIC-PrPsPjP»CÍP»PsCÍCÍ PiCḡPs
PIPëPSPëPePSPµPSPSCÍ P°PSC,PëP±C-PsC,PëPeP°CÍPsC†C-PNëPsPIP°PSPsC— PrC-P°CḡPµC—
(PḡPḡP”) C,P° P°PSC,PëP±C-PsC,PëPeP°CÍPsC†C-PNëPsPIP°PSPsPiPs PePsP»C-C,Cr (PḡPḡPḡ),
PIPeP»CḡC†P°CḡC†Pë PiCÍPµPIPrPsPjPµPjP±CḡP°PSPsP·PSPëPNë PePsP»C-C,, Clostridium
difficile-P°CÍPsC†C-PNëPsPIP°PSCr PrC-P°CḡPµCḡ, CÍPeC- P·P° CÍC,CrPiPµPSPµPj
C,CÍP¶PePsCÍC,C- PIP°CḡC-CḡCḡC,Cḡ PIC-Pr PiPsPjC-CḡPSPsC— PrC-P°CḡPµC— PrPs
PePsP»C-C,Cr P· P»PµC,P°P»CḡPSPëPj PSP°CÍP»C-PrPePsPj. PḡPsPjCÍ PIP°P¶P»PëPIPs
P·PIP°P¶PëC,Pë PSP° C†PµPNë PrC-P°PiPSPsP· Cr PiP°C†C-C”PSC,C-PI, Cr CÍPePëC... PiC-Pr
C†P°CÍ P°P±Ps PiC-CÍP»CÍ P·P°CÍC,PsCÍCÍPIP°PSPSCÍ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCr
CÍPiPsCÍC,PµCḡC-PiP°C”C,CḡCÍCÍ C,CÍP¶PeP° PrC-P°CḡPµCÍ. PµCḡPë PiC-PrPsP·CḡC-
P°P±Ps PiC-PrC,PIPµCḡPrP¶PµPSPSC- PḡPḡP” P°P±Ps PḡPḡPḡ P»C-PeCÍPIP°PSPSCÍ
P°PSC,PëP±P°PeC,PµCḡC-P°P»CḡPSPëPjPë P·P°CÍPsP±P°PjPë, PIPeP»CḡC†P°CḡC†Pë
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS, CÍP»C-Pr PiCḡPëPiPëPSPëC,Pë C,P° PSPµPiP°PNëPSPs
PIP¶PëC,Pë PIC-PrPiPsPIC-PrPSPëC... C,PµCḡP°PiPµPIC,PëC†PSPëC... P·P°C...PsPrC-PI. P”Ps
C,PsPiPs P¶, PSPµPsP±C...C-PrPSPs PIP¶PëC,Pë PSP°P»PµP¶PSPëC... CÍP°PSC-C,P°CḡPSPs-
PµPiC-PrPµPjC-C†PSPëC... P·P°C...PsPrC-PI P· PjPµC,PsCḡ P·PjPµPSC€PµPSPSCÍ CḡPëP·PëPeCÍ
PiPµCḡPµPrP°C†C- P·P°C...PIPsCḡCḡPIP°PSPSCÍ. PµCḡPµPiP°CḡP°C,Pë, C%Ps
PiCḡPëPiPSC-C†CÍCḡC,Cḡ PiPµCḡPëCÍC,P°P»CḡC,PëPeCÍ,
PiCḡPsC,PëPiPsPeP°P·P°PSC- PiP°C†C-C”PSC,P°Pj, Cr CÍPePëC...
CÍPiPsCÍC,PµCḡC-PiP°C”C,CḡCÍCÍ CÍPµCḡPNëPsP·PSP° PrC-P°CḡPµCÍ.

PḡPsPeCÍPëC,,P»PsPeCÍP°C†PëPS CÍP»C-Pr P· PsP±PµCḡPµP¶PSC-CÍC,Cḡ
P·P°CÍC,PsCÍCÍPIP°C,Pë PiP°C†C-C”PSC,P°Pj C-P· PjC-P°CÍC,PµPSC-C”Cḡ
PiCḡP°PIC-CÍ Cr P·PIBḡ™ CÍP·PeCÍ P· PjPsP¶P»PëPIC-CÍC,Cḡ
P·P°PiPsCÍC,CḡPµPSPSCÍ CÍPëPjPiC,PsPjC-PI.

PḡPµPSPPrC-PSC-C, C- CḡPsP·CḡPëPI CÍCÍC...PsP¶PëP»Cḡ (PsCÍPsP±P»PëPIPs
P°C...C-P»P»PsPIPsPiPs CÍCÍC...PsP¶PëP»P»CÍ), C-PSPsPrC-
P±C-P»P°C,PµCḡP°P»CḡPSC-, PjPsP¶CÍC,Cḡ CÍPiPsCÍC,PµCḡC-PiP°C,PëCÍCÍ PI
CḡP°P·C- P»C-PeCÍPIP°PSPSCÍ P·C- P·P°CÍC,PsCÍCÍPIP°PSPSCÍPj
C...C-PSPsP»PsPSC-PI, PIPeP»CḡC†P°CḡC†Pë PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS,
PSP°PIC-C,Cḡ PiCḡPsC,CÍPiPsPj PiPµCḡC€PëC... 48 PiPsPrPëPS PIC-Pr PiPsC†P°C,PeCÍ
P»C-PeCÍPIP°PSPSCÍ. PµPsPIC-PrPsPjP»CÍP»PsCÍCÍ C,P°PePsP¶ PiCḡPs C,P°PeC-
PIPëPiP°PrPePë, C%Ps CÍPiPsCÍC,PµCḡC-PiP°P»PëCÍCÍ C†PµCḡPµP·
PrPµPeC-P»CḡPeP° PjC-CÍCÍC†C-PI PiC-CÍP»CÍ PiCḡPëPiPëPSPµPSPSCÍ
P»C-PeCÍPIP°PSPSCÍ. PµC-Pr C†P°CÍ C,PµCḡP°PiC-C— C...C-PSPsP»PsPSP°PjPë, PI
C,PsPjCÍ C†PëCÍP»C- PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSPsPj, C-CÍPSCrC”
PiC-PrPIPëC%PµPSPëPNë CḡPëP·PëPe CḡPsP·PIPëC,PeCÍ C,PµPSPPrPëPSC-C,Cr C,P°
CḡPsP·CḡPëPICr CÍCÍC...PsP¶PëP»Cḡ, P·PsPeCḡPµPjP° Cr PiP°C†C-C”PSC,C-PI
P»C-C,PSCḡPsPiPs PIC-PeCÍ, PiP°C†C-C”PSC,C-PI C-P· PiPsCḡCÍC€PµPSPSCÍPjPë

C,,CfPSPeC†C-C— PSpëCĤPsPe, PiP°C†C-C”PSC,C-PI C-P· C,CĤP°PSCÍPiP»P°PSC,P°C†C-C”CĤ
PsCĤPiP°PSC-PI C,P° PiP°C†C-C”PSC,C-PI, CĤPeC- PsPrPSPsC†P°CÍPSPs PsC,CĤPëPjCfCĤC,CH
PePsCĤC,PëPePsCÍC,PμCĤPsC—PrPë. PÿPsPjCf CÍP»C-Pr CfPSPëPeP°C,Pë
PsPrPSPsC†P°CÍPSPsPiPs P·P°CÍC,PsCÍCfPiP°PSPSCĤ PePsCĤC,PëPePsCÍC,PμCĤPsC—PrC-PI.

PμCĤPë PiPμCĤCëPëC... CÍPëPjPiC,PsPjP°C... C,PμPSPPrPëPSC-C,Cf
(PSP°PiCĤPëPeP»P°Pr, C...PIPsCĤPsP±P»PëPiPëPñ PSP°P±CĤCĤPe,
P·P°PiP°P»PμPSPSCĤ) PiP°C†C-C”PSC,P°Pj CÍP»C-Pr PiCĤPëPiPëPSPëC,Pë
P»C-PeCfPiP°PSPSCĤ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSPsPj, P·P°P±PμP·PiPμC†PëC,Pë
CÍPiPsPeC-Pñ CfCĤP°P¶PμPSC-Pñ (-PëPj) PeC-PSC†C-PIC†C- (-PeP°Pj) C,P° PSPμPiP°PñPSPs
P·PiPμCĤPSCfC,PëCÍCĤ PrPs P»C-PeP°CĤCĤ PrP»CĤ PsC,CĤPëPjP°PSPSCĤ
PIC-PrPiPsPIC-PrPSPsPiPs P»C-PeCfPiP°PSPSCĤ (PSP°PiCĤPëPeP»P°Pr,
PSP°PeP»P°PrPμPSPSCĤ CëPëPSPë) CfCĤP°P¶PμPSPsPiPs CÍCfC...Ps¶PëP»P»CĤ (PrPëPI.
CĤPsP·PrC-P»Pë B«PμCĤPsC,PëPiPsPeP°P·P°PSPSCĤB» C,P° B«PμPsP±C-C†PSC-
CĤPμP°PeC†C-C—B»). PñPsCĤC,PëPePsCÍC,PμCĤPsC—PrPë PSPμ P·P°CÍC,PsCÍPsPICfPiP°C,Pë,
CĤPeC%oPs P·BĤ™ CĤPIP»CĤCĤC,CHCÍCĤ PsP·PSP°PePë C,PμPSPPrPëPSPsPiP°C,C-C—.

PĤPSPμPICĤPëP·PjP° C,P° PrPëCÍPμPeC†C-CĤ P°PsCĤC,Pë C,P°
CĤPμPiCfCĤPiC-C,P°C†C-CĤ/PSPμPrPsCÍC,P°C,PSC-CÍC,CH CÍPμCĤC†PμPIPsPiPs
PeP»P°PiP°PSP° CÍPμCĤC†CĤ

Pj PiCĤPsC†PμCÍC- PμPiC-PrPμPjC-PsP»PsPiC-C†PSPëC... PrPsCÍP»C-PrP¶PμPSCĤ
P·P°C,,C-PeCÍPsPiP°PSPs PiC-PrPiPëC%oPμPSPëPñ CĤPëP·PëPe P°PSPμPICĤPëP·PjPë
C,P° PrPëCÍPμPeC†C-C— P°PsCĤC,Pë, B PsCÍPsP±P»PëPIPs Cf PiP°C†C-C”PSC,C-PI
P»C-C,PSCĤPsPiPs PIC-PeCf, C,P° CĤPμPiCfCĤPiC-C,P°C†C-C— P°PsCĤC,P°P»CHPSPsPiPs Pñ
PjC-C,CĤP°P»CHPSPsPiPs PeP»P°PiP°PSC-PI PiC-CÍP»CĤ P·P°CÍC,PsCÍCfPiP°PSPSCĤ
C,,C,PsCĤC...C-PSPsP»PsPSC-PI. PμPsPIC-PrPsPjP»CĤP»PsCÍCĤ PiCĤPs PiPëPiP°PrPePë
P°PSPμPICĤPëP·PjPë C,P° PrPëCÍPμPeC†C-C— P°PsCĤC,Pë, C-PSPsPrC-
CfCÍPeP»P°PrPSPμPSC- CĤPsP·CĤPëPiPsPj (PiPeP»CĤC†P°CĤC†Pë P»PμC,P°P»CHPSC-
PiPëPiP°PrPePë), C,P° PiCĤPs
CĤPμPiCfCĤPiC-C,P°C†C-CĤ/PSPμPrPsCÍC,P°C,PSC-CÍC,CH P±CfPrCH-CĤPePsPiPs P·
PeP»P°PiP°PSC-PI CÍPμCĤC†CĤ Cf PiP°C†C-C”PSC,C-PI, CĤPeC- PsC,CĤPëPjCfPiP°P»Pë
C,,C,PsCĤC...C-PSPsP»PsPSPë (PrPëPI. CĤPsP·PrC-P» B«PμPsP±C-C†PSC-
CĤPμP°PeC†C-C—B»).

PĤC,P¶Pμ, C,,C,PsCĤC...C-PSPsP»PsPSPë CÍP»C-Pr P·P°CÍC,PsCÍPsPICfPiP°C,Pë P»PëCëPμ
PiC-CÍP»CĤ CĤPμC,PμP»CHPSPsC— PsC†C-PSPëPë CÍPiC-PIPIC-PrPSPsCëPμPSPSCĤ
PePsCĤPëCÍC,CH/CĤPëP·PëPe C,P° PiC-CÍP»CĤ CĤPsP·PiP»CĤPrCf C-PSCëPëC...
C,PμCĤP°PiPμPIC,PëC†PSPëC... PiP°CĤC-P°PSC,C-PI P»C-PeCfPiP°PSPSCĤ PiP°C†C-C”PSC,C-PI
C-P· PiPsP·PëC,PëPiPSPëPj CÍC-PjPμPñPSPëPj P°PSP°PjPSPμP·PsPj P°PSPμPICĤPëP·PjPë C†Pë
PICĤPsPrP¶PμPSPsCĤ PiP°PrPsCĤ CÍPμCĤC†PμPiPëC... PeP»P°PiP°PSC-PI, P°P±Ps Cf
PiP°C†C-C”PSC,C-PI P· C-CÍPSCfCĤC†PëPj PrC-P°PiPSPsP·PsPj P°PSPμPICĤPëP·PjPë
C,P°/P°P±Ps PrPëCÍPμPeC†C-C— P°PsCĤC,Pë, P°P±Ps P·P°C...PIPsCĤCĤPiP°PSPSCĤPj
CÍPμCĤC†PμPIPsPiPs PeP»P°PiP°PSP°, P°P±Ps P·P° PSP°CĤPIPSPsCÍC,C- C-PSCëPëC...
C,,P°PeC,PsCĤC-PI CĤPëP·PëPeCf P°P±Ps CÍPiCĤPëCĤC,P»PëPiPëC... CfPjPsPi:

B· CĤPe C- PiCĤPë P°PSPμPICĤPëP·PjC- C,P° PrPëCÍPμPeC†C-C— P°PsCĤC,Pë, C,P°Pe
C- PiCĤPë CĤPμPiCfCĤPiC-C,P°C†C-C—/PSPμPrPsCÍC,P°C,PSPsCÍC,C-
CÍPμCĤC†PμPIPsPiPs PeP»P°PiP°PSP° (PSP°PiCĤPëPeP»P°Pr, PiPsCĤCfCëPμPSPSCĤ
CÍPiPsP»CfC†PSPsC— C,PeP°PSPëPSPë, C,P°PeC- CĤPe CÍPëPSPPrCĤPsPj

РѡР°СѤС, Р°РSP° Р°Р±Рs СІРѲPSРrСѤPsPj Р·Р»РμСѤСІР°-Р"Р°РSP»РsСІР°,
СІРѲPSРrСѤPsPj РѲРμСѤPSPμСѤР°, С...PIPsСѤPsP±Р° Р'РμС...С±РμС,Р°,
PiC-РiРμСѤС,РμPSP·C-СЦ, СѤРμPIРjР°C,PsC-PrPSPëРNë Р°СѤС,СѤРѲëC,) Р°Р±Рs
РrPsPrР°C,PePsPIPs

В· PiСѤРѲë Р°PSPμPICѤРѲëР·PjC- С,Р° РrРѲëСІРμРeС†C-С- Р°PsСѤС,РѲë (PSP°PiСѤРѲëРeP»Р°Рr,
СІРсrРrРѲPSРC- СѤPsP·Р»Р°РrРѲë, С,Р°РeC- СЦPe Р°СѤС,РμСѤС-С-С, РѲР°РeР°СЦСІРсr Р°Р±Рs
PiC-РiР°PSC,PsPeP»C-С,РѲPSРSPëРNë Р°СѤС,РμСѤС-С-С,, Р°Р±Рs PIC-PrPsPjРѲëРNë
Р°C,РμСѤPsСІРeP»РμСѤPsP·, Р°Р±Рs СІРѲPSРrСѤPsPj РѲëРμPiСѤРμPSP°) Р°Р±Рs
РrPsPrР°C,PePsPIPs

В· PiСѤРѲë СѤРμPiCfСѤPiC-C,Р°C†C-С-/PSPμPrPsСІРс,Р°C,PSPsСІРс,C- СІРμСѤС†РμPIPsPiPs
РeP»Р°РiР°PSP° (PSP°PiСѤРѲëРeP»Р°Рr, C-PSC,,РμРeC†C-РNëPSPëРNë РμPSPPrPsPeP°СѤРrРѲëC,).

Р РѲ·РѲe Р°PSPμPICѤРѲëР·PjPë C- РrРѲëСІРμРeС†C-С- Р°PsСѤС,РѲë С,Р° C-С... СѤPsP·СѤРѲëPI
PjPsP¶Pμ Р±СrC,РѲë PiC-PrPIРѲëC%РμPSPëРNë Сr РiР°C†C-С"РSC,C-PI, СЦPeC-
PsPrPSPSc±Р°СІРSPs Р·Р°СІРс,PsСІРsPiC†СѤС,СѤ СІРѲëСІРс,РμPjPSC-
PePsСѤС,РѲePePsСІРс,РμСѤPsC-PrРѲë.

PJ СѤР°Р·C- PiPsСЦPIРѲë СѤР°PiC,PsPIPsPiPs Р±PsP»СѤ Сr Р¶РѲëPIPsC,C-,
PiСѤСrPrСЦС... Р°Р±Рs СІРPiРѲPSC- РiР°C†C-С"РSC,Р°Pj СІР»C-Pr PSPμPiР°PNëPSPs
Р·PIРμСѤPSCrC,РѲëСІРсЦ PrPs P»C-РeР°СѤСЦ Сr PIC-PrPrC-Р»РμPSPSCЦ
PSPμPIC-PrРeP»Р°РrPSPsC- PrPsPiPsPjPsPiPë.

РμР°C†C-С"РSC,Р°Pj PiPsC,СѤС-Р±PSPs СѤРμPePsPjPμPSPrC†PІР°C,РѲë PSPμPiР°PNëPSPs
Р·PIРμСѤС,Р°C,РѲëСІРсЦ P·Р° PjPμPrРѲëC±PSPsСѤ PrPsPiPsPjPsPiPsСѤ Сr СѤР°Р·C-
PiPsСІРс,СѤPsC- Р·Р°PrРѲëC€PePë, PSPsPIPsPiPs PSP°PiР°PrC† СІРμСѤС†РμP±PëC,C,СЦ
Р°Р±Рs СѤPsP·PIРѲëC,PeCr PSP°Р±СѤСЦPeCr Р¶РѲëPIPsC,Р° Р°Р±Рs PSPëР¶PSC-C...
PeC-PSC†C-PIPsPe.

РѲР»C-Pr Р· PsP±PμСѤРμP¶PSC-СІРс,СѤ Р·Р°СІРс,PsСІРсrPIР°C,РѲë
PjPsPeCІРѲëC,,P»PsPeCІР°C†PëPS PiР°C†C-С"РSC,Р°Pj P»C-C,PSCHPsPiPs PIC-PeCr Р·
СѤPsP·Р»Р°РrР°PjPë C,,CrPSPeC†C-РNë PSPëСѤPsPe, СЦPeC%Ps PIPsPSPë PSPμ PjPsP¶CrC,СѤ
Р·Р°Р±РμP·PiРμC±PëC,РѲë PiСѤРѲëPNëPsPj PrPsСІРс,Р°C,PSCHPsC- PeC-Р»СѤPePsСІРс,C-
СѤС-PrРѲPSPë, C,PsPjC† C%Ps Р·PSPμPIPsPrPSPμPSPSCЦ PjPsP¶Pμ PiC-PrPIРѲëC%PëC,РѲë
СѤРѲëP·РѲe PiРѲPSPëPePSPμPSPSCЦ PSPëСѤPePsPIPsC- PSPμPrPsСІРс,Р°C,PSPsСІРс,C-.

PiPëC%Ps СІРPiPsСІРс,РμСѤС-PiР°C"С,СѤСІРсЦ PiPsСѤС†C€PμPSPSCЦ P·PsСѤС†
Р°Р±Рs C-PSC€PëPNë IPIР»РѲPI PSP° PsСѤPiР°PSPë Р·PsСѤС†, СІР»C-Pr
PSPμPiР°PNëPSPs Р·PIРμСѤPSCrC,РѲëСІРсЦ PrPs PsC,,C,Р°P»СѤPjPsP»PsPiР° (PrРѲPI.
СѤPsP·PrC-Р»Pë B«P-PrР°C,PSC-СІРс,СѤ IPIР»РѲPIР°C,РѲë PSP° C€PIРѲPrРeC-СІРс,СѤ
СѤРμP°PeC†C-С- PiСѤРѲë PePμСѤС†PІР°PSPSC- Р°PIC,PsC,СѤР°PSCІРiPsСѤС,PsPj
Р°Р±Рs C-PSC€PëPjPë PjPμC...P°PSC-P·PjР°PjPëB» C,Р° B«PμPsP±C-C±PSC-
СѤРμP°PeC†C-С-B»).

PiPe C- PiСѤРѲë Р·Р°СІРс,PsСІРсrPIР°PSPSC- PICІРс-C... C,,C,PsСѤС...C-PSPsP»PsPSC-PI,
PiC-Pr C±Р°СІР P»C-PeCrPIР°PSPSCЦ PjPsPeCІРѲëC,,P»PsPeCІР°C†PëPSPsPj
PiPsPIC-PrPsPjP»СЦP»PsСІРсЦ PiСѤPs PIPëPiР°PrРePë PIC-PrC...PëP»PμPSPSCЦ PIC-Pr
PSPsСѤPjPë PiPsPeP°P·PSPëPeC-PI PiP»СѤPePsP·Pë PeСѤPsPIC-, СЦPe Сr
PIРѲPiР»СЦPrC- PiC-PiPsPiР»C-РePμPjC-С-, C,Р°Pe C- Сr PIPëPiР»СЦPrC-

PiC-PiPμCḡPiP»C-PePμPjC-C—. P°PëCíPiP»C-PePμPjC-Cḡ CḡPsP·PIPëPIP°P»P°CíCḡ
PiPμCḡPμPIP°P¶PSPs Cr PiP°C†C-C°PSC,C-PI P»C-C,PSCḡPsPiPs PIC-PeCr,
C...PIPSCḡPëC... PSP° PrC-P°P±PμC,, CḡPeC- PsC,CḡPëPjCrPIP°P»Pë
PsPrPSPsC†P°CíPSPs P· P»C-PeCíPIP°PSPSCḡPj PjPsPeCíPëC,,P»PsPeCíP°C†PëPSPsPj
PiPμCḡPsCḡP°P»CḡPSC- PiC-PiPsPiP»C-PePμPjC-C†PSC- P·P°CíPsP±Pë
(PSP°PiCḡPëPeP»P°Pr, CíCíP»CḡC,,PsPSC-P»CíPμC†PsPIPëPSCr) P°P±Ps
C-PSCíCíP»C-PS. PḡPIPSCḡPëPj PSP° C†CíPeCḡPsPIPëPḡ PrC-P°P±PμC,
CḡPμPePsPjPμPSPPrCíC°C,CḡCíCḡ CḡPμC,PμP»CḡPSPs PePsPSC,CḡPsP»CḡPIP°C,Pë
CḡC-PIPμPSCḡ PiP»CḡPePsP·Pë Cr PeCḡPsPIC- (PrPëPI. CḡPsP·PrC-P»
B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C-B»).

PμCḡPsC,,C-P»P°PeC,PëPeP° CḡPμP°PeC†C-Pḡ C,,PsC,PsC†CíC,P»PëPIPSCíC,C-

PμCḡPë P·P°CíC,PsCíCíPIP°PSPSC- C...C-PSPsP»PsPSC-PI Cr PiP°C†C-C°PSC,C-PI
PIC-PrP·PSP°C†P°CḡC,CḡCíCḡ CḡPμP°PeC†C-C— C,,PsC,PsC†CíC,P»PëPIPSCíC,C-.
PμCḡPsC,Pμ PrPsCíP»C-PrP¶PμPSPSCḡ PiPsPeP°P·P°P»Pë, C°Ps
PjPsPeCíPëC,,P»PsPeCíP°C†PëPS PIC-PrCḡC-P·PSCḡC°C,CḡCíCḡ PSPëP¶C†PëPj
CḡPëP·PëPePsPj PIPëPSPëPePSPμPSPSCḡ C,,PsC,PsC†CíC,P»PëPIPSCíC,C-.
PḡPμP·PIP°P¶P°CḡC†Pë PSP° C†Pμ, CíP»C-Pr PiPsCḡPμPePsPjPμPSPPrCíPIP°C,Pë
PiP°C†C-C°PSC,P°Pj CrPSPëPeP°C,Pë CḡPe CrP»CḡC,CḡP°C,,C-PsP»PμC,PsPIPsiPs
PsPiCḡPsPjC-PSPμPSPSCḡ, C,P°Pe C- C,CḡPëPIP°P»PsC— C,P°/P°P±Ps
C-PSC,PμPSCíPëPIPSPsC— PrC-C— CíPsPSCḡC†PSPsPiPs CíPIC-C,P»P° PiC-Pr C†P°Cí
P·P°CíC,PsCíCíPIP°PSPSCḡ PjPsPeCíPëC,,P»PsPeCíP°C†PëPSCr (PrPëPI. CḡPsP·PrC-P»
B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C-B»).

PμP°C†C-C°PSC,Pë P· CḡPsPrPëPSPSPëPj P°P±Ps PsCíPsP±PëCíC,PëPj P°PSP°PjPSPμP·PsPj
PSPμPrPsCíC,P°C,PSCḡPsC— P°PeC,PëPIPSPsCíC,C- PiP»CḡPePsP·Ps-6-
C,,PsCíC,,P°C,PrPμPiC-PrCḡPsPiPμPSP°P·Pë PiC-Pr C†P°Cí P»C-PeCíPIP°PSPSCḡ
C...C-PSPsP»PsPSP°PjPë PjP°CḡC,Cḡ CíC...PëP»CḡPSC-CíC,Cḡ PrPs
PiPμPjPsP»C-C,PëC†PSPëC... CḡPμP°PeC†C-Pḡ. PḡPsPjCr C,P°PePëPj PiP°C†C-C°PSC,P°Pj
CíP»C-Pr P· PsP±PμCḡPμP¶PSC-CíC,Cḡ P·P°CíC,PsCíPsPICrPIP°C,Pë
PjPsPeCíPëC,,P»PsPeCíP°C†PëPS.

PμP°C†C-C°PSC,P°Pj P· CrCíPeP»P°PrPSPμPSPëPj P·P°PiP°P»CḡPSPëPj
P·P°C...PIPSCḡCḡPIP°PSPSCḡPj PsCḡPiP°PSC-PI PjP°P»PsPiPs C,P°P·P° (PSP°PiCḡPëPeP»P°Pr,
P°CíPsC†C-PḡPsPIP°PSPëPj C-P· C,CḡCíP±PSPs-CḡC°C†PSPëPePsPIPëPj P°P±CíC†PμCíPsPj
P°P±Ps P°P±CíC†PμCíPsPj PjP°P»PsPiPs C,P°P·P°), PrP»Cḡ CḡPePëC... PIPIP°P¶P°C°C,CḡCíCḡ
PSPμPsP±C...C-PrPSPëPj PiCḡPsPIPμPrPμPSPSCḡ PIPSCr,CḡC-CḡPSCḡPsPIPμPSPSPsC—
C,PμCḡP°PiC-C—, P»C-PeCíPIP°PSPSCḡ PiCḡPμPiP°CḡP°C,PsPj PḡPsPeCíPμC,PμCḡPs Cr
C,,PsCḡPjC- C,P°P±P»PμC,PsPe, PIPeCḡPëC,PëC... PsP±PsP»PsPSPePsCḡ, PiPs 400 PjPi PSPμ
CḡPμPePsPjPμPSPPrCíC°C,CḡCíCḡ.

P—P°PiP°P»CḡPSPμ P·P°C...PIPSCḡCḡPIP°PSPSCḡ PsCḡPiP°PSC-PI PjP°P»PsPiPs C,P°P·P°
PjPsP¶Pμ P±CíC,Pë CíPiCḡPëC†PëPSPμPSPs P±P°PeC,PμCḡC-C°Cḡ *Neisseria gonorrhoeae*,
CḡPμP·PëCíC,PμPSC,PSPsCḡ PrPs C,,C,PsCḡC...C-PSPsP»PsPSC-PI. PḡPsPjCr PI C,P°PePëC...
PIPëPiP°PrPeP°C... PμPjPiC-CḡPëC†PSPμ P·P°CíC,PsCíCíPIP°PSPSCḡ
PjPsPeCíPëC,,P»PsPeCíP°C†PëPSCr PSPμPsP±C...C-PrPSPs PiCḡPëP·PSP°C†P°C,Pë
PsPrPSPsC†P°CíPSPs P· C-PSCḡPëPj PIC-PrPiPsPIC-PrPSPëPj P°PSC,PëP±C-PsC,PëPePsPj
(PSP°PiCḡPëPeP»P°Pr, C-P· C†PμC,,P°P»PsCíPiPsCḡPëPSPsPj), CḡPeC°Ps PSPμPjPsP¶P»PëPIP
PiPsPIPSC-CíC,Cḡ PIPëPeP»CḡC†PëC,Pë PSP°CḡPIPSC-CíC,Cḡ *Neisseria gonorrhoeae*,

СҗPµP·PëCГC, PµPSC, PSPSc — PrPs PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCГ.

PİPeC%Ps PİC-CГP»CЦ 3 PrPSC-PI P»C-PeCГPIP°PSPSCЦ PSPµ PIC-PrP±CГPIP°C”C, ЧҗCГCЦ PİPsPeCҗP°C%P°PSPSCЦ PeP»C-PSC-C†PSPsPiPs CГC, P°PSCГ, C, PµCҗP°PİC-Cҗ CГP»C-Pr PİPµCҗPµPiP»CЦPSCГC, Pë.

PҗPsPeCГPëC,,P»PsPeCГP°C†PëPS CГPİCҗPëC†PëPSCҗC” CГCҗP°P¶PµPSPSCЦ C...CҗCЦC%C-PI CГ PjPsP»PsPrPëC... C, PIP°CҗPëPS, C, PsPjCГ P·P°CГC, PsCГCГPIP°PSPSCЦ PİCҗPµPiP°CҗP°C, CГ PrC-C, CЦPj C, P° PİC-PrP»C-C, PeP°Pj (PIC-PePsPj PrPs 18 CҗPsPeC-PI) PİCҗPsC, PëPİPsPeP°P·P°PSPs.

PҗPsPeCГPëC,,P»PsPeCГP°C†PëPS PSPµ CҗPµPePsPjPµPSPPrCГC”C, ЧҗCГCЦ PrP»CЦ P»C-PeCГPIP°PSPSCЦ C-PSC,,PµPeC†C-PMë, CГPİCҗPëC†PëPSPµPSPëC... PjPµC, PëC†PëP»C-PS-CҗPµP·PëCГC, PµPSC, PSPëPj P·PsP»PsC, PëCГC, PëPj CГC, P°C,, C-P»PsPePsPePsPj (PҗP P—PŸ). Pj CҗP°P·C- PİC-PrPsP·CҗCҗPIP°PSPSc — P°P±Ps PİC-PrC, PIPµCҗPrP¶PµPSPSc — C-PSC,,PµPeC†C-C—, CГPİCҗPëC†PëPSPµPSPSc — PҗP P—PŸ, PSPµPsP±C...C-PrPSPs CҗPsP·PİPsC†P°C, Pë P»C-PeCГPIP°PSPSCЦ PIC-PrPİPsPIC-PrPSPëPj P°PSC, PëP±P°PeC, PµCҗC-P°P»ЧҗPSPëPj P·P°CГPsP±PsPj.

PҗP»C-PSC-C†PSP° PµC,,PµPeC, PëPIPSC-CГC, Чҗ PIPSCГC, CҗC-C€PSCҗPsPIPµPSPSPsPiPs P·P°CГC, PsCГCГPIP°PSPSCЦ PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCГ PI CҗP°P·C- P»C-PeCГPIP°PSPSCЦ C, CЦP¶PePsPiPs C-PSC,,C-PeCГPIP°PSPSCЦ, PİPsPIBҗ™ CЦP·P°PSPsPiPs P·PsPİC-PeP°PjPë, C,,P°CГC†PëC, PsPj C, P° C-PSC,,C-PeCГPIP°PSPSCЦPj PrC-P°P±PµC, PëC†PSPSc — CГC, PsPİPë, CЦPePµ CГCГPİCҗPsPiPsPrP¶CГC”C, ЧҗCГCЦ PsCГC, PµPsPjC-C”P»C-C, PsPj, PSPµ PICГC, P°PSPsPIP»PµPSP°.

P»C-PeCГPIP°PSPSCЦ C-P· P·P°CГC, PsCГCГPIP°PSPSCЦPj PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCГ PjPsP¶Pµ PİPµCҗPµC€PePsPrP¶P°C, Pë PİCҗPsPiPµPrPµPSPSCҗ PeCГP»ЧҗC, CГCҗP°P»ЧҗPSPsPiPs P°PSP°P»C-P·CГ C%PsPrPs PIPëCЦPIP»PµPSPSCЦ *Mycobacterium spp.* CГ P·PIBҗ™ CЦP·PeCГ P· PİCҗPëPiPSC-C†PµPSPSCЦPj PjC-PeCҗPsP±C-PsP»PsPİC-C†PSPsPiPs CҗPsCГC, CГ, C%Ps, P·C- CГPIPsPiPs P±PsPeCГ, PjPsP¶Pµ PİCҗPëP·PIPµCГC, Pë PrPs C...PëP±PSPsPSPµPiP°C, PëPIPSPëC... CҗPµP·CГP»ЧҗC, P°C, C-PI CГ P·CҗP°P·PeP°C... PIC-Pr C...PIPсCҗPëC..., CЦPeC- PSP° PrP°PSPëPµ PjPsPjPµPSC, PİCҗPëPµPjP°CҗC, Чҗ PjPsPeCГPëC,,P»PsPeCГP°C†PëPS.

P”PsCГP»C-PrP¶PµPSPSCЦ PSP° C, PIP°CҗPëPSP°C... PSPµ PIPëCЦPIPëP»Pë PİPsPİC-CҗC€PµPSPSCЦ C,,PµCҗC, PëP»ЧҗPSPsCГC, C-.

PµPsPIC-PrPsPjP»CЦP»PsCГCЦ PİCҗPs PrCГP¶Pµ CҗC-PrPeC-CГPSC- PIPëPiP°PrPePë C, CҗPëPIP°P»PëC... (PİCҗPsC, CЦPiPsPj PjC-CГCЦC†C-PI P°P±Ps CҗPsPeC-PI), C-PSPIP°P»C-PrPëP·CГCҗC†PëC... C- PİPsC, PµPSC†C-PMëPSPs PSPµP·PIPсCҗPsC, PSPëC... CГPµCҗPMëPsP·PSPëC... PİPsP±C-C†PSPëC... CҗPµP°PeC†C-PMë PSP° P»C-PeP°CҗCГCҗPeC- P·P°CГPsP±Pë, C%Ps PIPİP»PëPIP°CҗC, Чҗ PSP° CҗC-P·PSC-, C-PSPsPrC- PjPSPsP¶PëPSPSC-, CГPëCГC, PµPjPë PsCҗPiP°PSC-P·PjCГ (P· P±PsPeCГ PsPİPsCҗPSPs-CҗCГC...PsPiPsC — CГPëCГC, PµPjPë, PSPµCҗPIPсPiPsC — CГPëCГC, PµPjPë, PİCГPëC...C-PePë C, P° P· P±PsPeCГ PsCҗPiP°PSC-PI C†CГC, C, CЦ), CГ PİP°C†C-C”PSC, C-PI, CЦPeC- P·P°CГC, PsCГPsPICГPIP°P»Pë C...C-PSPsP»PsPSPë C, P° C,,C, PsCҗC...C-PSPsP»PsPSPë PSPµP·P°P»PµP¶PSPs PIC-Pr PIC-PeCГ C, P° PSP°CЦPIPSPëC... CҗP°PSC-C€Pµ C,,P°PeC, PsCҗC-PI CҗPëP·PëPeCГ. P—P°CГC, PsCГCГPIP°PSPSCЦ PjPsPeCГPëC,,P»PsPeCГP°C†PëPSCГ CГP»C-Pr PSPµPiP°PMëPSPs PİCҗPëPiPëPSPëC, Pë PİCҗPë PİPµCҗC€PëC... P¶Pµ PsP·PSP°PeP°C... P°P±Ps CГPëPjPİC, PsPjP°C... P±CГPrCҗ-CЦPePsC — CГPµCҗPMëPsP·PSPSc — PİPsP±C-C†PSPSc — CҗPµP°PeC†C-C—, C- PİP°C†C-C”PSC, P°Pj CГP»C-Pr PİPsCҗP°PrPëC, Pë P·PIPµCҗPSCГC, PëCГCЦ PrPs P»C-PeP°CҗCЦ

P·P° PePsPSCÍCfP»CHC,P°C†C-C”CH.

PµCḡPµPīP°CḡP°C, PjC-CÍC,PëC,CH PjPµPSC€Pµ 1 PjPjPsP»CH (23 PjPi)/PrPsP·Cf
PSP°C,CḡC-CH, C,PsP±C,Ps PīCḡP°PeC,PëC†PSPs PIC-P»CHPSPëPNë PIC-Pr PSP°C,CḡC-CH.

*P—P°CÍC,PsCÍCáPIP°PSPSCÍ C á PīPµCḡC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps
PiPsPrCáPIP°PSPSCÍ PiCḡCáPrPrCH.*

P’P°PiC-C,PSC-CÍC,CH

P’PµP·PīPµPeP° P·P°CÍC,PsCÍCfPIP°PSPSCÍ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCf Cf
PīPµCḡC-PsPr PIP°PiC-C,PSPsCÍC,C- PSPµ PICÍC,P°PSPsPIP»PµPSP°. P PµP·CfP»CHC,P°C,Pë
PrPsCÍP»C-PrP¶PµPSCḡ PSP° C,PIP°CḡPëPSP°C... PIPeP°P·CfCHC,CH PSP°
CḡPµPīCḡPsPrCfPeC,PëPIPSCf C,PsPeCÍPëC†PSC-CÍC,CH. PµPsC,PµPSC†C-PNëPSPëPNë
CḡPëP·PëPe PrP»CÍ P»CHPrPëPSPë PSPµ PICÍC,P°PSPsPIP»PµPSPëPNë.

PJ P·PIBḡ™ CÍP·PeCf P· CḡPëP·PëPePsPj PīPsC€PePsPrP¶CfPIP°P»CHPSPsPiPs PIPiP»PëPICf
C,,C,PsCḡC...C-PSPsP»PsPSC-PI PSP° PSPµCÍCfC†C- CÍCfPiP»PsP±Pë PSPµP·CḡC-P»PëC...
C,PIP°CḡPëPS C,P° P· PsP±PsCḡPsC,PSPëPjPë CÍCḡP°P¶PµPSPSCÍPjPë CÍCfPiP»PsP±C-PI,
PsPīPëCÍP°PSPëPjPë Cf PrC-C,PµPNë, CÍPeC- PsC,CḡPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCÍ
PrPµCÍPePëPjPë C,,C,PsCḡC...C-PSPsP»PsPSP°PjPë, PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS PSPµ
PjPsP¶PSP° PīCḡPëP·PSP°C†P°C,Pë PIP°PiC-C,PSPëPj P¶C-PSPeP°Pj (PrPëPI. CḡPsP·PrC-P»
B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCÍB»).

PµPµCḡC-PsPr PiPsPrCfPIP°PSPSCÍ PiCḡCfPrPrCH

PḡPsPeCÍPëC,,P»PsPeCÍP°C†PëPS, CÍPe C- C-PSC€C- C...C-PSPsP»PsPSPë,
CÍPīCḡPëC†PëPSCÍC” CÍCḡP°P¶PµPSPSCÍ Cf C...CḡCÍC%oC- CÍCfPiP»PsP±C-PI
PjPsP»PsPrPëC... C,PIP°CḡPëPS. PkPµPIPµP»PëPeP° PeC-P»CHPeC-CÍC,CH
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCf PjPsP¶Pµ PīPsC,CḡP°PīP»CÍC,Pë Cf PiCḡCfPrPSPµ
PjPsP»PsPePs. PkPµPjP°C” PrP°PSPëC... C%oPsPrPs P·P°CÍC,PsCÍCfPIP°PSPSCÍ
PīCḡPµPīP°CḡP°C,Cf Cf PīPµCḡC-PsPr P»P°PeC,P°C†C-C— P¶C-PSPeP°Pj.

PJPSP°CÍP»C-PrPsPe C†CHPsPiPs P¶C-PSPeP°Pj, CÍPeC- PiPsPrCfCHC,CH PiCḡCfPrPrCH,
P·P°CÍC,PsCÍCfPIP°PSPSCÍ PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCf PīCḡPsC,PëPīPsPeP°P·P°PSPs
(PrPëPI. CḡPsP·PrC-P» B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCÍB»).

PµPµCḡC,PëP»CHPSC-CÍC,CH

P”PsCÍP»C-PrP¶PµPSPSCÍ PSP° C,PIP°CḡPëPSP°C... PSPµ PIPëCÍPIPëP»Pë PIPiP»PëPICf PSP°
C,,PµCḡC,PëP»CHPSC-CÍC,CH.

*P—PrP°C,PSC-CÍC,CH PIPiP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CÍC,CH CḡPµP°PeC†C-C— PīCḡPë
PePµCḡCáPIP°PSPSC- P°PIC,PsC,CḡP°PSCÍPīPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë
PjPµC...P°PSC-P·PjP°PjPë.*

P”PsCÍP»C-PrP¶PµPSCḡ PIPiP»PëPICf PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCf PSP°
P·PrP°C,PSC-CÍC,CH PePµCḡCfPIP°C,Pë P°PIC,PsC,CḡP°PSCÍPīPsCḡC,PsPj C,P°
PīCḡP°C†CHPIP°C,Pë P· PjPµC...P°PSC-P·PjP°PjPë PSPµ PīCḡPsPīPsPrPëP»Pë. PḡPrPSP°Pe

C,,C,PscTjC...C-PSPsP»PSPSPë, PIPeP»CtHCtP°ctHCtPë PjPsPeCtPëC,,P»PsPeCtP°ctPëPS, PjPsP¶CtC,CH PïCtjPëP·PIPPrPëC,Pë PrPs PïPsPiC-CtjC€PµPSPSCt P·PrP°c,PSPscTc,C- PePµCtjCtPIP°c,Pë P°PIC,Psc,CtjP°PSCtPïPsCtjC,Pspj P°P±Ps PïCtjP°ctCtPIP°c,Pë P· C-PSC€PëPjPë PjPµC...P°PSC-P·PjP°PjPë CtPµCtjPµP· PIPëPSPëPePSPµPSPSCt CtjPµP°PeCtC-PNë P· P±PsPeCt PïPkPÿ (P·P°PïP°PjPsCtjPsCtPµPSPSCt, PiPsCtC,CtjP° C,PëPjCtP°ctPpsPIP° PIC,CtjP°c,P° P·PsCtjCt P°P±Ps PiPsCtC,CtjP° PePsCtjPsC,PePsC,CtjPëPIP°P»P° PIC,CtjP°c,P° CtPIC-PrPsPjPsCtC,C-). PµP°ctC-C°PSC,P°Pj CtP»C-Pr CtjPµPePsPjPµPSPPrCtPIP°c,Pë CtPïPsCtC,PµCtjC-PiP°c,Pë P·P° CtPIPsC°Ct CtjPµP°PeCtC-C°Ct PSP° PjPsPeCtPëC,,P»PsPeCtP°ctPëPS PïPµCtjPµPr C,PëPj, CtPµPe PePµCtjCtPIP°c,Pë P°PIC,Psc,CtjP°PSCtPïPsCtjC,Pspj P°P±Ps PïCtjP°ctCtPIP°c,Pë P· C-PSC€PëPjPë PjPµC...P°PSC-P·PjP°PjPë.

PÿPïPsCtC-P± P·P°CtC,PscCtCzPIP°PSPSCt C,P° PrPsP·Pë.

P°PscTjPsCtP»C-

P PµPePsPjPµPSPPrCtC°C,CHCtCt PïCtjPëPNëPjP°c,Pë PïPs 1 C,P°P±P»PµC,CtC- (400 PjPi) PjPsPeCtPëC,,P»PsPeCtP°ctPëPSCt PSP° PrPsP±Ct.

PÿP°P±P»PµC,PePë CtP»C-Pr PïCtjPëPNëPjP°c,Pë PSPµ CtjPsP·P¶PsPICtCtCtPë, P·P°PïPëPIP°CtCtPë PrPsCtC,P°c,PSCtPscCt PeC-P»CHPeC-CtC,Ct PIPPrPë. PµCtjPµPïP°CtjP°c, PjPsP¶PSP° PïCtjPëPNëPjP°c,Pë PSPµP·P°P»PµP¶PSPs PIC-Pr CtP°CtCt PIP¶PëPIP°PSPSCt C—P¶C-.

PÿCtjPëPIP°P»C-CtC,CH C,PµCtjP°PïC-C—

PÿCtjPëPIP°P»C-CtC,CH C,PµCtjP°PïC-C— C,P°P±P»PµC,PSPIP°PSPsCt C,,PscTjPjPsCt PïCtjPµPïP°CtjP°c,Ct PµPsPeCtPµC,PµCtjPs P·P°P»PµP¶PëC,CH PIC-Pr C,PëPïCt C-PSC,,PµPeCtC-PNë C- CtC,P°PSPsPIPëC,CH:

- P·P°PiPsCtC,CtjPµPSPSCt C...CtjPsPSC-CtPSPsPiPs PsP±CtC,CtjCtPeC,PëPIPSPsPiPs P·P°c...PIPscCtPIP°PSPSCt P»PµPiPµPSCt, PIPeP»CtCtPSPs P· P±CtjPsPSC...C-C,Pspj, Btj" 5-10 PrPSC-PI;
- PSPµPiPsCtPïC-C,P°P»CHPSP° PïPSPµPIPjPsPSC-Ct Btj" 10 PrPSC-PI;
- PiPsCtC,CtjPëPNë P±P°PeC,PµCtjC-P°P»CHPSPëPNë CtPëPSCtCtPëC, Btj" 7 PrPSC-PI;
- P·P°PïP°P»CHPSC- P·P°c...PIPscCtPIP°PSPSCt PsCtjPiP°PSC-PI PjP°P»PsPiPs C,P°P·P° PïPsPjC-CtjPSPsPiPs C,P° CtPµCtjPµPrPSCtPpsPiPs CtC,CtPïPµPSCt C,CtP¶PePsCtC,C- Btj" 14 PrPSC-PI.

P—P° PrP°PSPëPjPë PrPsCtP»C-PrP¶PµPSCt C,CtjPëPIP°P»C-CtC,CH P»C-PeCtPIP°PSPSCt C,P°P±P»PµC,PSPIP°PSPsCt C,,PscTjPjPsCt PïCtjPµPïP°CtjP°c,Ct PµPsPeCtPµC,PµCtjPs CtC,P°PSPsPIPëP»P° PrPs 14 PrPSC-PI.

PÿC,CzPïC-PSCtP°CtC,P° (PIPSCzC,CtjC-C€PSCtPpsPIPµPSPSP°/PïPµCtjPsCtjP°P»CHPSP°) C,PµCtjP°PïC-Ct

PµC-Pr CtP°Ct PrPsCtP»C-PrP¶PµPSCt CtC,CtPïC-PSCtP°CtC,Psc— C,PµCtjP°PïC-C— P±C-P»CHC€C-CtC,CH PïP°ctC-C°PSC,C-PI PïPµCtjPµC...PsPrPëP»P° P·

PIPSCfC,CTC-CePSCHePsPIPμPSPSPsPiPs PSP° PīPμCTHPSCTHP°P»CHBSPePNē CεP»CIC...
PIPIPμPrPμPSPSCII PjPsPeCfPēC,,P»PsPeCfP°C†PēPSCr PīCTHPSc,CIIPIPsPj 4 PrPSC-PI
(PSPμPiPsCfPīC-C,P°P»CHBSP° PīPSPμPIPjPsPSC-CII) P°P±Ps 6 PrPSC-PI
(CfCfPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— CεPeC-CTHPe C,P° PīC-PrCεPeC-CTHSPeC...
C,PeP°PSPePS). P PμPePsPjPμPSPPrPsPIP°PSP° P·P°PiP°P»CHBSP° C,CTHPePIP°P»C-CfC,CH
P»C-PeCfPIP°PSPSCII C,P°P±P»PμC,PeP°PjPē C,P° CTHPS·C†PēPSPsPj PrP»CII C-PSC,,CfP·C-PNē
PHePsPeCfPμC,PμCTHPS CfC,P°PSPsPIPēC,CH 7 - 14 PrPSC-PI PrP»CII
PSPμPiPsCfPīC-C,P°P»CHBSPeC... PīPSPμPIPjPsPSC-PNē C,P° 7 - 21 PrPμPSCHe PrP»CII
CfCfPeP»P°PrPSPμPSPeC... C-PSC,,PμPeC†C-PNē CεPeC-CTHPe C,P° PīC-PrCεPeC-CTHSPeC...
C,PeP°PSPePS.

PμPμCTHPμPIPēC%oCfPIP°C,Pē PIPeP°P·P°PSCr PrPsP·Cf (400 PjPi 1 CTHP°P· PSP° PrPsP±Cf) C,P°
C,CTHPePIP°P»C-CfC,CH P»C-PeCfPIP°PSPSCII PrP»CII PePsP¶PSPsPiPs PīPsPeP°P·P°PSPSCII
PSPμ CTHPμPePsPjPμPSPPrCfC”C,CHCfCII.

PμP°C†C-C”PSC,Pē P»C-C,PSCHePsPiPs PIC-PeCz/PiP°C†C-C”PSC,Pē P· PSPeP·CHPePsCH
PjP°CfPsCH C,C-P»P°

PHePsCTHPμPeC†C-CII PrPsP·Pē PrP»CII PīP°C†C-C”PSC,C-PI P»C-C,PSCHePsPiPs
PIC-PeCf/PiP°C†C-C”PSC,C-PI P· PSPeP·CHPePsCH PjP°CfPsCH C,C-P»P° PSPμ
PīPsC,CTC-P±PSP°.

PμPsCTHCzCεPμPSPSCII C,,CzPSPeC†C-C— PīPμC±C-PSPePē

PμP°C†C-C”PSC,P°Pj C-P· PīPsCTHCfCεPμPSPSCIIjPē C,,CfPSPeC†C-C— PīPμC±C-PSPePē
PePsCTHPμPeC†C-CII PrPsP·Pē PSPμ PīPsC,CTC-P±PSP°.

PkPēCTHPePsPIP° PSPμPrPsCfC,P°C,PSC-CfC,CH

P”P»CII PīP°C†C-C”PSC,C-PI C-P· PSPeCTHPePsPIPsCH PSPμPrPsCfC,P°C,PSC-CfC,CH
PīPsPjC-CTHSPsPiPs C,P° CfPμCTHPμPrPSCHePsPiPs CfC,CfPīPμPSCII C,CII¶PePsCfC,C- (Cf
C,PsPjCf C†PēCfP»C- PīCTHPe PeP»C-CTHPμPSCfC- PeCTHPμP°C,PēPSC-PSCf
≤ 30 PjP»/C...PI/1,73 Pj²), P° C,P°PePsP¶ PrP»CII PīP°C†C-C”PSC,C-PI, CIIPeC-
PīPμCTHPμP±CfPIP°CHC,CH PSP° P±PμP·PīPμCTHPμCTHPIPSPsPjCf PīPμPjPsPrC-P°P»C-P·C- C,P°
PrPsPIPiPsC,CTHPePIP°P»PsPjCf P°PjP±CfP»P°C,PsCTHSPsPjCf
PīPμCTHPeC,PsPSPμP°P»CHBSPsPjCf PrC-P°P»C-P·C-, PePsCTHPμPeC†C-CII PrPsP·Pē PSPμ
PīPsC,CTC-P±PSP°.

P”C-C,Pē.

P»C-PeP°CTHCfCHPePēPNē P·P°CfC-P± PHePsPeCfPμC,PμCTHPS PīCTHPSc,PēPīPsPeP°P·P°PSPePNē
PrC-C,CIIj (PIC-PePsPj PrPs 18 CTHPSPeC-PI). P·C,,PμPeC,PēPIPSC-CfC,CH C,P° P±PμP·PīPμPeP°
P·P°CfC,PsCfCfPIP°PSPSCII PjPsPeCfPēC,,P»PsPeCfP°C†PēPSCr PrC-C,CIIj PSPμ
PICfC,P°PSPsPIP»PμPSC-.

PμPμCTHPμPrPsP·CzPIP°PSPSCII.

Pj CTHP°P·C- PIPēPīP°PrPePsPIPsPiPs PīPμCTHPμPrPsP·CfPIP°PSPSCII PSPμ
CTHPμPePsPjPμPSPPrPsPIP°PSPs P¶PsPrPSPeC... CfPīPμC†PēC,,C-C†PSPeC... P·P°C...PsPrC-PI. Pj

СҗP°P·C- PīPμCҗPμPrPsP·CfPIP°PSPSCЦ CГP»C-Pr PsCҗC-C”PSC,CfPIP°C,PëCГCЦ PSP°
 PeP»C-PSC-CҗPSCf PeP°CҗC,PëPSCf C- PīCҗPsPμPrPëC,Pë CГPëPjPīC,PsPjP°C,PëCҗPSCf
 PīC-PrC,CҗPëPjCfCҗCҗCf C,PμCҗP°PīC-Cҗ C,P° P·PҗP”-PjPsPSC-C,PsCҗPëPSPi Cf
 P·PīBҗ™ CЦP·PeCf P· PjPsP¶P»PëPIC-CГC,Cҗ PīPsPrPsPIP¶PμPSPSCЦ C-PSC,PμCҗPIP°P»Cf QT.

PhPrPSPsCҗP°CГPSPμ P·P°CГC,PsCГCfPIP°PSPSCЦ P°PeC,PëPIPSPIP°PSPsPiPs PICfPiC-P»P»CЦ
 P· PrPsP·PsCҗ PjPsPeCГPëC,,P»PsPeCГP°CҗPëPSCf 400 PjPi PīPμCҗPsCҗP°P»CҗPSPs
 PīCҗPëP·PIPμPrPμ PrPs CГPePsCҗPsCҗPμPSPSCЦ CГPëCГC,PμPjPSPsC—
 PrPsCГC,CfPīPSPsCГC,C- P»C-PeP°CҗCГCҗPëPsPiPs P·P°CГPsP±Cf P±C-P»CҗC€Pμ PSC-P¶
 PSP° 80 %. Pj CҗP°P·C- PīPμCҗPμPrPsP·CfPIP°PSPSCЦ Pī CҗPμP·CfP»CҗC,P°C,C-
 PīPμCҗPsCҗP°P»CҗPSPsPiPs PīCҗPëPμPsPjCf P»C-PeP°CҗCГCҗPëPsPiPs P·P°CГPsP±Cf
 P·P°CГC,PsCГCfPIP°PSPSCЦ P°PeC,PëPIPSPIP°PSPsPiPs PICfPiC-P»P»CЦ PSP°
 PīPsCҗP°C,PePsPIC-PNë CГC,P°PrC-C— P°P±CГPsCҗP±CҗC— PjPsP¶Pμ P±CfC,Pë
 PμC,,PμPeC,PëPIPSPsCҗ PīCҗPsC,,C-P»P°PeC,PëPePsCҗ P·P±C-P»CҗC€PμPSPSCЦ
 CГPëCГC,PμPjPSPsC— PrC-C— PjPsPeCГPëC,,P»PsPeCГP°CҗPëPSCf.

PμPsP±C-CҗPSC- CҗPμP°PeCҗC-C—.

PќPëP¶CҗPμ PSP°PIPμPrPμPSPs PīPsP±C-CҗPSC- CҗPμP°PeCҗC-C—, PsC,CҗPëPjP°PSC- PSP°
 PīC-PrCГC,P°PIC- PrPsCГP»C-PrP¶PμPSCҗ C-P· P·P°CГC,PsCГCfPIP°PSPSCЦPj
 PjPsPeCГPëC,,P»PsPeCГP°CҗPëPSCf 400 PjPi (PīPμCҗPsCҗP°P»CҗPSP° C,P°
 CГC,CfPīC-PSCҗP°CГC,P° C,PμCҗP°PīC-CЦ), C,P° C—C... CҗP°CГC,PsC,P°. PμPsP±C-CҗPSC-
 CҗPμP°PeCҗC-C—, PSP°PIPμPrPμPSC- Cf PePsP»PsPSCҗC- B«CҗP°CГC,C-B»,
 CГPīPsCГC,PμCҗC-PiP°P»PëCГCЦ P· CҗP°CГC,PsC,PsCҗ PjPμPSC€Pμ 3 %, P·P° PIPëPSCЦC,PePsPj
 PSCfPrPsC,Pë C,P° PrC-P°CҗPμC—.

Pj PePsP¶PSC-PNë PīCҗCfPīC- PīPsP±C-CҗPSC- CҗPμP°PeCҗC-C— PIPëP·PSP°CҗPμPSC- Cf
 PīPsCҗCЦPrPeCf P·PjPμPSC€PμPSPSCЦ C—C... C,CЦP¶PePsCГC,C-. PŞP°CГC,PsC,P°
 PIPëP·PSP°CҗPμPSP° C,P°PePëPj CҗPëPSPsPj: CҗP°CГC,Ps (≥ 1/100, < 1/10), PSPμCҗP°CГC,Ps
 (≥ 1/1000, < 1/100), CҗC-PrPePs (≥ 1/10000, < 1/1000), PrCfP¶Pμ CҗC-PrPePs (< 1/10000),
 CҗP°CГC,PsC,P° PSPμPIC-PrPsPjP° (PSPμ PjPsP¶Pμ P±CfC,Pë PIPëP·PSP°CҗPμPSP° PSP°
 PsCГPSPsPIC- PSP°CЦPIPSPëC... PrP°PSPëC...).

PŷP°P±P»PëCҗCЦ 3

PҗP»P°CГPë CГPëCГC,PμPj PsCҗPīP°PSC-PI/CҗP°C ГC,PsC,P°	PμPsP±C-CҗPSC- CҗPμP°PeCҗC-C—
<i>PҗPSC,,PμPeCҗC-PNëPSC- CзCГPeP»P°PrPSPμPSPSCЦ</i>	
PŞP°CГC,Ps	PŸCfPīPμCҗC-PSC,,PμPeCҗC-CЦ, C%Ps PIPëPSPëPeP»P° PIPSP°CГP»C-PrPsPe P±P°PeC,PμCҗC-P°P»CҗPSPsC— P°P±Ps PīCҗPëP±PePsPIPSC— CҗPμP·PëCГC,PμPSC,PSPsCГC,C-, PSP°PīCҗPëPeP»P°Pr PsCҗP°P»CҗPSPëPNë CҗPë PIP°PīC-PSP°P»CҗPSPëPNë PeP°PSPPrPëPrPsP·
<i>P— P±PsPeCз PeCҗPsPμPSPsCГPSPsC— C,P° P»C-PjC,,P°C,PëCҗPSPsC— CГPëCГC,PμPj</i>	
PќPμCҗP°CГC,Ps	PҗPSPμPjC-CЦ, P»PμPNëPePsPīPμPSC-CЦ, PSPμPNëC,CҗPsPīPμPSC-CЦ, C,CҗPsPjP±PsCҗPëC,PsPīPμPSC-CЦ, C,CҗPsPjP±PsCҗPëC,PμPjC-CЦ, PμPsP·PëPSPsC,,C-P»C-CЦ, PīPsPrPsPIP¶PμPSPSCЦ PīCҗPsC,CҗPsPjP±C-PSPsPμPsPīPs CҗP°CГCf/P·P±C-P»CҗC€PμPSPSCЦ PҗPќP’
P”CfP¶Pμ CҗC-PrPePs	PμC-PrPIPëC%PμPSPSCЦ CҗC-PIPSCЦ PīCҗPsC,CҗPsPjP±C-PSCf/P·PjPμPSC€PμPSPSCЦ PҗPќP’, P°PīCҗP°PSCfP»PsCҗPëC,PsP’, PīP°PSCҗPëC,PsPīPμPSC-CЦ

<i>P— P±PsPeCá C-PjCáPSPSPsC— CÍPèCÍC,PμPjPè</i>	
PkPμC±P°CÍC,Ps	PñP»PμCñPiC-C±PSC- CñPμP°PeC†C-C— (PrPèPI. CñPsP·PrC-P» B«PhCÍPsP±P»PèPIPsCÍC,C- P·P°CÍC,PsCÍCÍrPIP°PSPSCÍB»)
P C-PrPePs	PñPSP°C,,C-P»P°PeCÍC-CÍ, PIPeP»CñC±P°CñC±Pè CñC-PrPeC-CÍPSC- PIPèPìP°PrPePè CèPsPeCÍ (C%Ps P·P°PiCñPsP¶CÍC” P¶PèC,C,Cñ) (PrPèPI. CñPsP·PrC-P» B«PhCÍPsP±P»PèPIPsCÍC,C- P·P°CÍC,PsCÍCÍrPIP°PSPSCÍB»), P°P»PμCñPiC-C±PSPèPNè PSP°P±CñCÍPe/ P°PSPiC-PsPSPμPICñPsC,PèC±PSPèPNè PSP°P±CñCÍPe, PIPeP»CñC±P°CñC±Pè PSP°P±CñCÍPe PiPsCñC,P°PSC- (C%Ps PiPsC,PμPSC†C-PNèPSPs P·P°PiCñPsP¶CÍC” P¶PèC,C,Cñ) (PrPèPI. CñPsP·PrC-P» B«PhCÍPsP±P»PèPIPsCÍC,C- P·P°CÍC,PsCÍCÍrPIP°PSPSCÍB»)
<i>P— P±PsPeCá PμPSPPrPsPeCñPèPSPSPsC— CÍPèCÍC,PμPjPè</i>	
P”CÍP¶Pμ CñC-PrPePs	PÿPèPSPPrCñPsPj PSPμPIC-PrPìPsPIC-PrPSPsC— CÍPμPeCñPμC†C-C— P°PSC,PèPrC-CÍCñPμC,PèC±PSPsPiPs PiPsCñPjPsPSCÍ (SIADH)
<i>P— P±PsPeCá PjPμC,P°P±PsP»C-P·PjCá C,P° C...P°CñC±CáPIP°PSPSCÍ</i>	
PkPμC±P°CÍC,Ps	P”C-PìPμCñP»C-PìC-PrPμPjC-CÍ
P C-PrPePs	P”C-PìPμCñPiP»C-PePμPjC-CÍ, PiC-PìPμCñCÍrCñPèPePμPjC-CÍ
P”CÍP¶Pμ CñC-PrPePs	P”C-PìPsPiP»C-PePμPjC-CÍ, PiC-PìPsPiP»C-PePμPjC-C±PSP° PePsPjP°
<i>P— P±PsPeCá PiCÍPèC...C-PePè*</i>	
PkPμC±P°CÍC,Ps	P PμP°PeC†C-C— CÍC,CñPèPIPsP¶PμPSPsCÍC,C-, PiC-PrPIPèC%PμPSPSCÍ PiCÍPèC...PsPjPsC,PsCñPSPsC— P°PeC,PèPIPsCÍC,C-/P·P±CÍrPrP¶PμPSPSCÍ
P C-PrPePs	P·P°P±C-P»CñPSC-CÍC,Cñ PSP°CÍC,CñPsCñ, PrPμPiCñPμCÍC-CÍ (CÍ CñC-PrPeC-CÍPSPèC... PIPèPìP°PrPeP°C... P· PjPsP¶P»PèPIPsCñ CÍP°PjPsP°PiCñPμCÍC-C”Cñ, C,P°PePsCñ CÍPe CÍCÍC—C†PèPrP°P»CñPSC- C-PrPμC-/PrCÍrPjPePè P°P±Ps CÍPìCñPsP±Pè CÍP°PjPsPiCÍrP±CÍC,PIP°) (PrPèPI. CñPsP·PrC-P» B«PhCÍPsP±P»PèPIPsCÍC,C- P·P°CÍC,PsCÍCÍrPIP°PSPSCÍB»), PiP°P»CñC†PèPSP°C†C-C—, PrPμP»C-CñC-PNè
P”CÍP¶Pμ CñC-PrPePs	P”PμPiPμCñCÍPsPSP°P»C-P·P°C†C-CÍ, PiCÍPèC...PsC,PèC±PSC- CñPμP°PeC†C-C— (P· PjPsP¶P»PèPIPsCñ CÍP°PjPsP°PiCñPμCÍC-C”Cñ, C,P°PePsCñ CÍPe CÍCÍC—C†PèPrP°P»CñPSC- C-PrPμC-/PrCÍrPjPePè P°P±Ps CÍPìCñPsP±Pè CÍP°PjPsPiCÍrP±CÍC,PIP°) (PrPèPI. CñPsP·PrC-P» B«PhCÍPsP±P»PèPIPsCÍC,C- P·P°CÍC,PsCÍCÍrPIP°PSPSCÍB»)
<i>P— P±PsPeCá PSPμCñPIPsPIPsC— CÍPèCÍC,PμPjPè*</i>	
PSP°CÍC,Ps	P”PsP»PsPIPsPèPNè P±C-P»Cñ, P·P°PiP°PjPsCñPsC±PμPSPSCÍ
PkPμC±P°CÍC,Ps	PμP°CñPμCÍC,PμP·C-CÍ/PrPèP·PμCÍC,PμP·C-CÍ, PiPsCñCÍrCèPμPSPSCÍ CÍPjP°PeCÍ (PIPeP»CñC±P°CñC±Pè P°PiPμPIP·C-Cñ CÍ CñC-PrPeC-CÍPSPèC... PIPèPìP°PrPeP°C...), CÍPìP»CÍC,P°PSC-CÍC,Cñ CÍPIC-PrPsPjPsCÍC,C- C,P° PIC,CñP°C,P° PsCñC-C”PSC,P°C†C-C—, CñPsP·P»P°PrPè CÍPSCÍ (PiPμCñPμPIP°P¶PSPs P±PμP·CÍPsPSPSCÍ), C,CñPμPjPsCñ, PIPμCñC,PèPiPs, CÍPsPSP»PèPIC-CÍC,Cñ
P C-PrPePs	P”C-PìPsPμCÍC,PμP·C-CÍ, PiPsCñCÍrCèPμPSPSCÍ PSCñC...CÍ (PIPeP»CñC±P°CñC±Pè PIC,CñP°C,CÍ PSCñC...CÍ), PiP°C,PsP»PsPiC-C±PSC- CÍPSPsPIPsPrC-PSPSCÍ, PiPsCñCÍrCèPμPSPSCÍ PePsPsCñPrPèPSP°C†C-C— (PIPeP»CñC±P°CñC±Pè CñPsP·P»P°Pr C...PsPrPè PIPSP°CÍP»C-PrPsPe P·P°PiP°PjPsCñPsC±PμPSPSCÍ P°P±Ps PIPμCñC,PèPiPs), CÍCÍrPrPsPjPSC- PSP°PiP°PrPè P· CñC-P·PSPèPjPè PeP»C-PSC-C±PSPèPjPè PiCñPsCÍPIP°PjPè (CÍ C,PsPjCÍ C±PèCÍP»C- <i>grand mal</i> PSP°PiP°PrPè) (PrPèPI. CñPsP·PrC-P» B«PhCÍPsP±P»PèPIPsCÍC,C- P·P°CÍC,PsCÍCÍrPIP°PSPSCÍB»), PiPsCñCÍrCèPμPSPSCÍ CÍPIP°PiPè, CñPsP·P»P°PrPè PjPsPIP»PμPSPSCÍ, P°PjPSPμP·C-CÍ, PiPμCñPèC,,PμCñPèC±PSP° PSPμPNèCñPsPiP°C,C-CÍ C,P° PiPsP»C-PSPμPNèCñPsPiP°C,C-CÍ
P”CÍP¶Pμ CñC-PrPePs	P”C-PìPμCñPμCÍC,PμP·C-CÍ
<i>P— P±PsPeCá PsCñPiP°PSC-PI P·PsCñCá*</i>	
PkPμC±P°CÍC,Ps	PμPsCñCÍrCèPμPSPSCÍ P·PsCñCÍ, PIPeP»CñC±P°CñC±Pè PrPèPìP»PsPiC-Cñ C,P° PSPμC±C-C,PeC-CÍC,Cñ P·PsCñCÍ (PsCÍPsP±P»PèPIPs PiC-Pr C±P°CÍ CñPμP°PeC†C-PNè P· P±PsPeCÍ PìkPÿ) (PrPèPI. CñPsP·PrC-P» B«PhCÍPsP±P»PèPIPsCÍC,C- P·P°CÍC,PsCÍCÍrPIP°PSPSCÍB»)
P C-PrPePs	P∞PsC,PsC,,PsP±C-CÍ

P"CrP¶Pµ C7C-PrPePs	PÿC7P°PSP·PëC,PsC7PSP° PIC,C7P°C,P° P·PsC7Cf (PsCfPsP±P»PëPIPs PïC-PrC±P°Cf C7PµP°PeC†C-PNë P· P±PsPeCf P PáPÿ) (PrPëPI. C7PsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCIB»), CrPIPµC—C, C-PrPIPsP±C-C±PSP° C,C7P°PSCfC-P»C7PjC-PSP°C†C-Cf C-C7PëCfCf (PrPëPI. C7PsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCIB»)
P— P±PsPeCá PsC7PiP°PSC-PI C7P»CáC...Cá C,P° PIPµCfC,PëP±CáP»CfC7PSPsPiPs P°PiP°C7P°C,Cá*	
P C-PrPePs	P"·P·PIC-PS Cr PICfC...P°C...; PiPsC7CfCëPµPSPSCf C7P»CfC...Cf, PIPeP»C7C±P°C7C±Pë PiP»CfC...PsC,Cf (P·P°P·PIPëC±P°PNë PsP±PsC7PsC,PSCf)
P— P±PsPeCá C7PµC7C†Cf**	
PSP°CfC,Ps	PµPsPrPsPIP¶PµPSPSCf C-PSC,PµC7PIP°P»Cf QT Cr C...PIPSc7PëC... C-P·PiC-PiPsPeP°P»C-C"·PjC-C"·C7 (PrPëPI. C7PsP·PrC-P»Pë B«PµC7PsC,PëPiPsPeP°P·P°PSPSCIB» C,P° B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCIB»)
PáPµC±P°CfC,Ps	PµPsPrPsPIP¶PµPSPSCf C-PSC,PµC7PIP°P»Cf QT (PrPëPI. C7PsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCIB»), PiPsCfPëP»PµPSPµCfPµC7C†PµP±PëC,C,Cf, C,P°C...C-PeP°C7PrC-Cf, C,,C-P±C7PëP»CfC†C-Cf PiPµC7PµPrCfPµC7PrC7, CfC,PµPSPsPeP°C7PrC-Cf
P C-PrPePs	PëP»CfPSPSc±PePsPIP° C,P°C...C-P°C7PëC,PjC-Cf, PSPµPiC7PëC,PsPjPSC-CfC,C7 (C,PsP±C,Ps PiPsCfC,C7P° C,P° PePsC7PsC,PePsC±P°CfPSP° PIC,C7P°C,P° CfPIC-PrPsPjPsCfC,C-)
P"CrP¶Pµ C7C-PrPePs	PáPµCfPiPµC†PëC,,C-C±PSP° P°C7PëC,PjC-Cf, B«PiC-C7CfPµC,PSP°B» CëP»CfPSPSc±PePsPIP° C,P°C...C-PeP°C7PrC-Cf (torsade de pointes) (PrPëPI. C7PsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCIB»), P·CfPiPëPSPeP° CfPµC7C†Cf (PrPëPI. C7PsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCIB»)
P— P±PsPeCá C7CáPrPëPSPSPsC— C7PëCfC,PµPjPë**	
PáPµC±P°CfC,Ps	P°P·P·PsPrPëP»P°C,P°C†C-Cf
P C-PrPePs	P7C7C,PµC7C-P°P»C7PSP° PiC-PiPµC7C,PµPSP·C-Cf, P°C7C,PµC7C-P°P»C7PSP° PiC-PiPsC,PµPSP·C-Cf
P"CrP¶Pµ C7C-PrPePs	P°CfPeCfP»C-C,
P— P±PsPeCá PrPëC...P°P»C7PSPsC— C7PëCfC,PµPjPë, PiC7CáPrPSPsC— PeP»C-C,PePë C,P° CfPµC7PµPrPsCfC,C-PSPSCf	
PáPµC±P°CfC,Ps	P—P°PrPëCëPeP° (PIPeP»C7C±P°C7C±Pë P°CfC,PjP°C,PëC±PSPëPNë CfC,P°PS)
P— P±PsPeCá C,C7P°PIPSPsC— C7PëCfC,PµPjPë	
PSP°CfC,Ps	PáCfPrPsC,P°, P±P»C7PIP°PSPSCf, P±C-P»C7 Cr P¶PëPIPsC,C-, PrC-P°C7PµCf
PáPµC±P°CfC,Ps	P—PSPëP¶PµPSPSCf P°PiPµC,PëC,Cf C,P° P·PjPµPSCëPµPSPSCf PIP¶PëPIP°PSPSCf C—P¶C-, P·P°PiPsC7, PrPëCfPiPµPiCfC-Cf, C,,P»P°C,CfP»PµPSC†C-Cf, PiP°CfC,C7PëC,, PiC-PrPIPëC%PµPSPSCf C7C-PIPSCf P°PjC-P»P°P·Pë
P C-PrPePs	P"·PëCfC,,P°PiC-Cf; CfC,PsPjP°C,PëC,, PePsP»C-C,, P°CfPsC†C-PNëPsPIP°PSPëPNë P·C- P·P°CfC,PsCfCfPIP°PSPSCfPj P°PSC,PëP±C-PsC,PëPeP° (PIPeP»C7C±P°C7C±Pë PiCfPµPIPrPsPjPµPjP±C7P°PSPsP·PSPëPNë PePsP»C-C,, Cf C7C-PrPeC-CfPSPëC... PIPëPiP°PrPeP°C... P°CfPsC†C-PNëPsPIP°PSPëPNë C-P·P·P°PiC7PsP·P»PëPIPëPjPë PrP»Cf P¶PëC,C,Cf CfCfPeP»P°PrPSPµPSPSCfPjPë) (PrPëPI. C7PsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCIB»)
P— P±PsPeCá PiPµC±C-PSPePë C,P° P¶PsPIC±PsPIPëPIC-PrPSPëC... CëP»CfC...C-PI	
PSP°CfC,Ps	PµC-PrPIPëC%PµPSPSCf C7C-PIPSCf C,C7P°PSCfP°PjC-PSP°P·
PáPµC±P°CfC,Ps	PµPsC7CfCëPµPSPSCf C,,CfPSPeC†C-C— PiPµC±C-PSPePë (PIPeP»C7C±P°C7C±Pë PiC-PrPIPëC%PµPSPSCf P»P"·P" (P»P°PeC,P°C,PrPµPiC-PrC7PsPiPµPSP°P·Pë)), PiC-PrPIPëC%PµPSPSCf C7C-PIPSCf P±C-P»C-C7CfP±C-PSCf, PiC-PrPIPëC%PµPSPSCf P"·P"·PÿPµ (PiP°PjPjP°- PiP»CfC,P°PjC-P»C,C7P°PSCfPiPµPiC,PëPrP°P·Pë), PiC-PrPIPëC%PµPSPSCf Cf PeC7PsPIC- C7C-PIPSCf P»CfP¶PSPsC— C,,PsCfC,,P°C,P°P·Pë
P C-PrPePs	P—PsPIC,CfPSPëC†Cf, PiPµPiP°C,PëC, (PiPµC7PµPIP°P¶PSPsC...PsP»PµCfC,P°C,PëC±PSPëPNë)

P"CrP¶Pµ CḡC-PrPePs	P«CrP»CḡPjC-PSP°PSC,PSPëP№ PiPµPiP°C,PëC,, C%Ps PiPsC,PµPSC†C-P№PSPs PjPsP¶Pµ PiCḡPëP·PIPµC†C,Pë PrPs CḡPsP·PIPëC,PeC† PSPµP±PµP·PiPµC†PSPsC— PrP»C† P¶PëC,C,C† PiPµC†C-PSPePsPIPSC— PSPµPrPsC†C,P°C,PSPsC†C,C- (C† C.,C†. P·P»PµC,P°P»CḡPSPëPj PSP°C†P»C-PrPePsPj) (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»)
P— P±PsPeCž CèPeC-CḡPë C,P° PiC-PrCèPeC-CḡPSPsC— PeP»C-C,PePsPIPëPSPë	
PkPµC†P°C†C,Ps	PŸPIPµCḡP±C-P¶, PIPëC†PëPiP°PSPSC†C, PeCḡPsPiPëPIBḡ™ C†PSPeP°, C†C†C...C-C†C,Cḡ CèPeC-CḡPë
P"CrP¶Pµ CḡC-PrPePs	P"CrP»CḡPsP·PSC- CèPeC-CḡPSC- CḡPµP°PeC†C-C—, C,P°PeC- C†Pe C†PëPSP†CḡPsPj PŸC,C-PIPµPSC†P°-P"¶PµPSC†PsPSP° P°P±Ps C,PsPeC†PëC†PSPëP№ PµPiC-PrPµCḡPjP°P»CḡPSPëP№ PSPµPeCḡPsP»C-P· (C%Ps PiPsC,PµPSC†C-P№PSPs P·P°PiCḡPsP¶C†CḡC,Cḡ P¶PëC,C,Cḡ) (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»)
PŞP°C†C,PsC,P° PSPµPIC-PrPsPjP°	P"PsC†C,CḡPëP№ PiPµPSPµCḡP°P»C-P·PsPIP°PSPëP№ PµPeP·PµPjP°C,PsP·PSPëP№ PiC†C†C,C†P»CḡPsP· (AGEP). P±PSP†C†PePsPIP°PSP° P»C-PeP°CḡC†CḡPePëPjPë P·P°C†PsP±P°PjPë PµPsP·PëPSPsC,,C-P»C-C† P· C†PëC†C,PµPjPSPëPjPë C†PëPjPiC,PsPjP°PjPë (DRESS) (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»), C,,C-PeC†PsPIP°PSPëP№ PjPµPrPëPeP°PjPµPSC,PsP·PSPëP№ PIPëC†PëPi, CḡPµP°PeC†C-C— C,,PsC,PsC†PµPSC†PëP±C-P»C-P·P°C†C-C— (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»)
P— P±PsPeCž PsPiPsCḡPSPs-CḡCžC...PsPIPSC— C†PëC†C,PµPjPë C,P° C†PiPsP»CžC†PSPsC— C,PeP°PSPëPSPë*	
PkPµC†P°C†C,Ps	PḡCḡC,CḡP°P»PiC-C†, PjC-P°P»PiC-C†
P C-PrPePs	PŸPµPSP†PëPSC-C, (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»), PiPsC†PjPëPeC†PIP°PSPSC†C PjBḡ™ C†P·C-PI, C†C†PrPsPjPë PjBḡ™ C†P·C-PI, PjBḡ™ C†P·PsPIP° C†P»P°P±PeC-C†C,Cḡ
P"CrP¶Pµ CḡC-PrPePs	P PsP·CḡPëPI C†C†C...PsP¶PëP»Cḡ (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»), P°CḡC,CḡPëC,, CḡPëPiC-PrPSC-C†C,Cḡ PjBḡ™ C†P·C-PI, P·P°PiPsC†C,CḡPµPSPSC†C C†PëPjPiC,PsPjC-PI myasthenia gravis (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»)
PŞP°C†C,PsC,P° PSPµPIC-PrPsPjP°	P P°P±PrPsPjC-PsP»C-P·
P— P±PsPeCž PSPëCḡPsPe C,P° C†PµC†PsPIPëPrC-P»CḡPSPsC— C†PëC†C,PµPjPë	
PkPµC†P°C†C,Ps	P"PµPiC-PrCḡP°C,P°C†C-C†
P C-PrPePs	PµPsCḡC†CèPµPSPSC†C C,,C†PSPeC†C-C— PSPëCḡPsPe (PIPeP»CḡC†P°CḡC†Pë P·P±C-P»CḡCèPµPSPSC†C P°P·PsC,C† C†PµC†PsPIPëPSPë C,P° PeCḡPµP°C,PëPSC-PSC† PiP»P°P·PjPë PeCḡPsPIC-), PSPëCḡPePsPIP° PSPµPrPsC†C,P°C,PSC-C†C,Cḡ (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†C»)
P— P°PiP°P»CḡPSC- CḡPsP·P»P°PrPë*	
PkPµC†P°C†C,Ps	P—P°PiP°P»CḡPSP° C†P»P°P±PeC-C†C,Cḡ (Pi PsC†PSPsPIPSPsPjC† P°C†C,PµPSC-C† P°P±Ps PIC,PsPjP»PµPSC-C†C,Cḡ), PIC-PrC†C†C,C,C† P±PsP»Cḡ (PIPeP»CḡC†P°CḡC†Pë P±C-P»Cḡ C† PiPsPiPµCḡPµPeC†, PiCḡC†PrPSC-P№ PeP»C-C,C†C-, P±C-P»Cḡ C† PeC-PSC†C-PIPeP°C..., P±PsP»CḡC†C-C†C,Cḡ C† PiCḡPsPµPeC†C-C— PjP°P»PsPiPs C,P°P·P°), PiC-PiPµCḡPiC-PrCḡPsP·
P C-PrPePs	PkP°P±CḡC†Pe

P"CrP»Pë PrC†P¶Pµ CḡC-PrPeC-C†PSC- PIPëPiP°PrPePë C,P°PePëC... PiPsP±C-C†PSPëC... CḡPµP°PeC†C-P№, PiCḡPs C†PeC- PiPsPIC-PrPsPjP»C†P»Pë PiC-C†P»C† P»C-PeC†PIP°PSPSC†C C-PSCèPëPjPë C,,C,PsCḡC...C-PSPsP»PsPSP°PjPë, C†PeC-, PjPsP¶P»PëPIPs, C,P°PePsP¶ C,CḡP°PiP»C†C,CḡC†C† PiC-Pr C†P°C† P»C-PeC†PIP°PSPSC†C PjPsPeC†PëC,,P»PsPeC†P°C†PëPSPsPj: PiC-PrPIPëC%PµPSPSC†C PIPSC†C,CḡC-CèPSCḡPsC†PµCḡPµPiPSPsPiPs C,PëC†PeC† (C† C,PsPjC† C†PëC†P»C-

PiCíPµPIPrPsC,CíPjPsCĤ PiPsP»PsPIPSPsPiPs PjPsP·PeCí), PiC-PiPµCĤPSP°C,CĤC-C”PjC-CĬ,
PiC-PiPµCĤPeP°P»CĤC†C-C”PjC-CĬ, PiPµPjPsP»C-C,PëC†PSP° P°PSPµPjC-CĬ.

* P”CíP¶Pµ CĤC-PrPeC-CÍPSC- PIPëPiP°PrPePë C,CĤPëPIP°P»PëC... (PrPs PjC-CÍCĬ†C-PI
P°P±Ps CĤPsPeC-PI), C-PSPIP°P»C-PrPëP·CíCĤC†PëC... C,P° PiPsC,PµPSC†C-PNëPSPs
PSPµP·PIPsCĤPsC,PSPëC... CÍPµCĤPNëPsP·PSPëC... CĤPµP°PeC†C-PNë PSP°
P»C-PeP°CĤCíCĤPeC- P·P°CíPsP±Pë, C%oPs P·P°C†C-PiP°CĤC,CĤ PeC-P»CĤPeP°, C-PSPsPrC-
PjPSPsP¶PëPSPSC-, PeP»P°CíPë CíPëCíC,PµPj PsCĤPiP°PSC-PI C,P° PsCĤPiP°PSC-PI
C†CíC,C,CĬ (PIPeP»CĤC†P°CĤC†Pë C,P°PeC- CĤPµP°PeC†C-C— CĬPe C,PµPSPPrPëPSC-C,,
CĤPsP·CĤPëPI CíCíC...PsP¶PëP»P»CĬ, P°CĤC,CĤP°P»PiC-CĬ, P±C-P»CĤ Cí
PeC-PSC†C-PIPeP°C..., PiPsCĤCíCëPµPSPSCĬ C...PsPrPë; Cí PrPµCĬPePëC... PIPëPiP°PrPeP°C...
PiPsPIC-PrPsPjP»CĬP»PsCíCĬ PiCĤPs PSPµPICĤPsPiP°C,C-CĤ, PiPsPiBĤ™ CĬP·P°PSCí P·
PiP°CĤPµCíC,PµP·C-C”CĤ, PrPµPiCĤPµCíC-C”CĤ, PIC,PsPjPsCĤ, PiPsCĤCíCëPµPSPSCĬPj
PiP°PjBĤ™ CĬC,C-, PiPsCĤCíCëPµPSPSCĬPjPë CíPSCí C,P° PiPsCĤCíCëPµPSPSCĬPjPë
CíP»CíC...Cí, P·PsCĤCí, CíPjP°PeCí C,P° P·P°PiP°C...Cí; C,CĤPëPIPsP¶PSC-CíC,CĤ,
CíCíC—C†PëPrP°P»CĤPSC- PrCíPjPePë, PiP°PSC-C†PSC- P°C,P°PePë, PSPµPICĤP°P»PiC-CĤ
C,P° PiPsCĤCíCëPµPSPSCĬ PePsPSC†PµPSC,CĤP°C†C-C— CíPIP°PiPë), C%oPs
PiPsPiBĤ™ CĬP·P°PSC- P·C- P·P°CíC,PsCíCíPIP°PSPSCĬPj C...C-PSPsP»PsPSC-PI C,P°
C,,C,PsCĤC...C-PSPsP»PsPSC-PI, PSPµP·P°P»PµP¶PSPs PIC-Pr CĤP°PSC-CëPµ
C-CíPSCíCĤC†PëC... C,,P°PeC,PsCĤC-PI CĤPëP·PëPeCí (PrPëPI. CĤPsP·PrC-P»
B«PĥCíPsP±P»PëPIPsCíC,C- P·P°CíC,PsCíCíPIP°PSPSCĬB»).

** PJ PiP°C†C-C”PSC,C-PI, CĬPeC- PsC,CĤPëPjCíPIP°P»Pë C,,C,PsCĤC...C-PSPsP»PsPSPë,
PiPsPIC-PrPsPjP»CĬP»PsCíCĬ PiCĤPs PIPëPiP°PrPePë P°PSPµPICĤPëP·PjPë C,P°
PrPëCíPµPeC†C-C— P°PsCĤC,Pë, C-PSPePsP»Pë CíCíPeP»P°PrPSPµPSC- CĤPsP·CĤPëPIPsPj
(PIPeP»CĤC†P°CĤC†Pë P»PµC,P°P»CĤPSC- PIPëPiP°PrPePë), C,P°
CĤPµPiCíCĤPiC-C,P°C†C-C—/PSPµPrPsCíC,P°C,PSPsCíC,C- P±CíPrCĤ-CĬPePsPiPs P·
PeP»P°PiP°PSC-PI CÍPµCĤC†CĬ (PrPëPI. CĤPsP·PrC-P» B«PĥCíPsP±P»PëPIPsCíC,C-
P·P°CíC,PsCíCíPIP°PSPSCĬB»).

PŷPµCĤPjC-PS PiCĤPëPrP°C,PSPsCíC,C-. 3 CĤPsPePë.

PJPjPsPIPë P·P±PµCĤC-PiP°PSPSCĬ. P—P±PµCĤC-PiP°C,Pë PI PsCĤPëPiC-PSP°P»CĤPSC-PNë
CíPiP°PePsPIC†C- PiCĤPë C,PµPjPiPµCĤP°C,CíCĤC- PSPµ PIPëC%oPµ 25 °Pŷ
Cí PSPµPrPsCíC,CíPiPSPsPjCí PrP»CĬ PrC-C,PµPNë PjC-CíC†C-.

PJPIP°PePsPIPeP°. PµPs 10 C,P°P±P»PµC,PsPe Cí P±P»C-CíC,PµCĤC-; PiPs 1
P±P»C-CíC,PµCĤCí PI PeP°CĤC,PsPSPSC-PNë PePsCĤPsP±C†C-.

PĽP°C,PµPiPsCĤC-CĬ PIC-PrPiCíCíPeCí. P—P° CĤPµC†PµPiC,PsPj.

P’PëCĤPsP±PSPëPe. P”PµC,PµCĤPs P»P°P±P· P»C-PjC-C,PµPr/Hetero Labs Limited.

**РѢС-СІС†РμР•PSP°С...PsPrP¶PμPSPSCІІ PIPëCђPsP±PSPëPeP° С,P° P°PrCђPμCІP°
PjC-СІС†CІІ PİCђPsPIP°PrP¶PμPSPSCІІ PN₂PsPiPs PrC-СІP»СђPSPsCІC,C-.**

P®PSC-C,-V, P'P»PsPe V C- V-Pђ, PŷPŷIIC - PαPsCђPjCíP»PμPN₂C€PS PŷP•P—, Pŷ. B,,-B,,- 439, 440, 441 C- 458, PμPsP»PμPİP°P»P»C- P'C-P»PμPrP¶, P" P¶P°PrC†PμCђP»P° PђP°PSPrP°P», PŷPμP»P°PSPiP°PSP° PŷC,PμPN₂C,, 509301, P†PSPrC-СІІ/Unit-V, Block V and V-A, B B B B TSIIC - Formulation SEZ, S. Nos 439, 440, 441 & 458, Polepally Village, Jadcherla Mandal, Telangana State, 509301, India.