

Р†РќРЎРЎР РЈРЉРІР†РЇ

**PrP»CЦ PjPμPrPëC±PSPsPiPs P•P°CíC,PsCíCřPIP°PSPSCЦ P»C-PeP°CЃCíCђPePsPiPs
P•P°CíPsP±Cř**

P•P P"PћPᄡP•P PћPќ

$P\check{Y}P\in P\gg P^\circ P\Gamma$:

PrC-CHCzC- CH₂PμCzPsPIPēPSPē: 1 C,^PP±P»PμC,PeP° PjC-ClC,PēC,CH: P°PSC,PēC,C-P»P° PrPs
PiP°PjPjP° C-PSC,PμCH₂C,,PμCH₂PsPSCr P»CHPrPēPSPē P°C,,C-PSPSPs PsCzPēC%PμPSC-:
ClCrPjC-Cē PiPsPjPμPsPiP°C,PēCzPSPēC... CH₂PsP·PIPμPrPμPSCH PŸ12, PŸ30 C,P° PŸ50 BĤ" 6
PjPi; P°PSC,PēC,C-P»P° PrPs PiC-ClC,P°PjC-PSCr P°C,,C-PSPSPs PsCzPēC%PμPSC-: ClCrPjC-Cē
PiPsPjPμPsPiP°C,PēCzPSPēC... CH₂PsP·PIPμPrPμPSCH PŸ12, PŸ30 C,P° PŸ50 BĤ" 6 PjPi;
P°PSC,PēC,C-P»P° PrPs CD4 P°C,,C-PSPSPs PsCzPēC%PμPSC-: ClCrPjC-Cē
PiPsPjPμPsPiP°C,PēCzPSPēC... CH₂PsP·PIPμPrPμPSCH PŸ12, PŸ30 C,P° PŸ50 BĤ" 6 PjPi;

$$\begin{aligned} PrPsPiPsPjC-P\|PSC-C\bar{H}P\mu C\ddagger PsPIP\ddot{e}PSP\ddot{e}: P\rhd P^{\circ}PeC, PsP\cdot P\ddot{e} \quad PjPsPSPsPiC-PrC\bar{H}P^{\circ}C,, \\ C\ddagger P\mu P\rhd C\bar{H}P\rhd PsP\cdot P^{\circ} \quad PjC-PeC\bar{H}PsPeC\bar{H}P\ddot{e}C\bar{I}C, P^{\circ}P\rhd C-C\ddagger PSP^{\circ}, \quad PjP^{\circ}PiPSC-C\bar{H} \quad C\bar{I}C, P\mu P^{\circ}C\bar{H}P^{\circ}C,, \end{aligned}$$
$$\text{P} \rightarrow \text{C}-\text{PeP}^\circ \text{C} \overline{\text{H}} \text{C} \overline{\text{T}} \text{CH} \text{PeP}^\circ \text{C}, \text{PsC} \overline{\text{H}} \text{PjP}^\circ. \text{PyP}^\circ \text{P} \pm \text{P} \gg \text{PuC}, \text{PeP}^\circ.$$

*PhCl'PSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C±PSC- PIP»P°Cl'C,PëPIPsCl'C,C-: C,P°P±P»PµC,PePë
PiP»PsCl'PePsC±PëP»C-PSPrCḡPëC±PSPsC— C,,PsCḡPjPë, P·CḡPëCl'PePsCḡ C,P° C,,P°Cl'PePsCḡ,
PIC-Pr P±C-P»PsPiPs PrPs PjP°PNëP¶Pµ P±C-P»PsPiPs PePsP»CHbPsCḡCr.*

PkP° PsPrPSPsPjCr PiP»PsCfPePsPjCr P±PsCtC- PSP°PSPμCfPμPSPs CThPēCfPeCr, PSP° C-PSCEPsPjCr PiP»PsCfPePsPjCr P±PsCtC- PSP°PSPμCfPμPSPs PSP°PiPēCf ERGOFERON.

**P_μP^oC₇P_jP^oP_eP_sC, P_μC₇P^oP_iP_μP_iC, P_eC₇P^oP_iC₇C₇P_iP^o. P^oP_sP_jP_μP_sP_iP^oC, P_eC₇P^oP_iC₇P_eP_{N₂}
P_iC₇P_μP_iP^oC₇P^oC,,**

$$P \times P^{\circ} C \bar{H} P j P^{\circ} P e P s P \gg P s P i C - C \# P S C - P I P \gg P^{\circ} C \bar{I} C, P \bar{e} P I P s C \bar{I} C, C - .$$
$$\text{P}\Pi\text{C}\dot{\text{H}}\text{P}\text{sC}, \text{P}\ddot{\text{e}}\text{PiC}-\text{C}\dot{\text{H}}\text{C}\dot{\text{r}}\text{C}\dot{\text{r}}\text{PSP}\ddot{\text{e}}\text{PN}_0, \text{P}\cdot\text{P}^\circ\text{C}\dot{\text{r}}\text{C}-\text{P}\pm, \text{P}^\circ\text{PSC}, \text{P}\ddot{\text{e}}\text{PiC}-\text{C}\dot{\text{r}}\text{C}, \text{P}^\circ\text{PiC}-\text{PSPSP}\ddot{\text{e}}\text{PN}_0, \text{P}\cdot\text{P}^\circ\text{C}\dot{\text{r}}\text{C}-\text{P}\pm.$$

$P\ddot{Y}P\ddot{i}P_{\mu}P_{\epsilon}C, C\overline{H}C, P^{\circ}C\overline{H}P_jP^{\circ}P_{\epsilon}P_sP \gg P_sP_iC-C\ddagger P_sP_sC- P^{\circ}P_{\epsilon}C, P\ddot{e}P_iP_sP_sC\acute{I}C, C- P\ddot{i}C\overline{H}P_{\mu}P\ddot{i}P^{\circ}C\overline{H}P^{\circ}C, C\acute{r}$
 $P_iP_{\epsilon}P \gg C\overline{H}C\ddagger P^{\circ}C'' P_i C\acute{I}P_{\mu}P_{\pm}P_{\mu} P\ddot{i}C\overline{H}P_sC, P\ddot{e}P_iC-C\overline{H}C\acute{r}C\acute{I}P_sC\acute{r}, C-P_jC\acute{r}P_sP_sP_jP_sP_rC\acute{r}P \gg C\overline{H}C\overline{H}C\ddagger C\acute{r},$
 $P^{\circ}P_sC, P\ddot{e}P_iC-C\acute{I}C, P^{\circ}P_jC-P_sP_sC\acute{r}, P\ddot{i}C\overline{H}P_sC, P\ddot{e}P^{\circ}P\ddot{i}P^{\circ}P \gg C\overline{H}P_sC\acute{r} P_rC-C-.$

P•PeCfPiPμCfPēPjPμPSC,P°P»CHbPSPs C,P° PeP»C-PSC-C†PSPs PrPsPIPμPrPμPSPs
PμC,,PμPeC,PēPIPSC-CfC,CHb P-P°CfC,PsCfCfPIP°PSPSCf PePsPjPiPsPSPμPSC,C-PI
PiCfPμPiP°CfP°C,Cf PiCfPē P»C-PeCfPIP°PSPSC- C,P°PePēC... PIC-CfCfCfPSPēC...
C-PSC,,PμPeC†C-PN°PSPēC... P-P°C...PIPsCfCHbPIP°PSCb: PiCfPēPi Pb C,P° PiCfPēPi P',

PiPsCfC, C7C- C7PmCfPc-C7P°C, PsC7PSC- PIC-C7CfCfPSC- C-PSC,, PmPeCfC-C—
 (CfPcC7PcCfPcPSPmPSC- PIC-C7CfCfP°PjPc PiP°C7P°PiC7PcPcCf,
 P°PrPmPSPsPIC-C7CfCfP°PjPc, C7PmCfPc-C7P°C, PsC7PSPs-CfPcPSCfPcC, C-P°P»CHPSPcPjPc
 PIC-C7CfCfP°PjPc, PePsC7PSP°PIC-C7CfCfP°PjPc), PiPmC7PiPmCfPIC-C7CfCfPSC-
 C-PSC,, PmPeCfC-C— (P»P°P±C-P°P»CHPSPcPNc PiPmC7PiPmCf,
 PsC,, C,P°P»CHPjPsPiPmC7PiPmCf, PiPmPSC-C,P°P»CHPSPcPNc PiPmC7PiPmCf,
 PsPiPmC7C-P·CfPIP°P»CHPSPcPNc PiPmC7PiPmCf, PIC-C,C7CfPSP° PIC-CfPcP°,
 C-PSC,, PmPeCfC-PNcPSPcPNc PjPsPSPsPSCfPeP»PmPsP·), PiPsCfC, C7C- PePcCfPePsPIC-
 C-PSC,, PmPeCfC-C— PIC-C7CfCfPSPsC— PmC,C-PsP»PsPiC-C— (PIPcPeP»PcPeP°PSC-
 PeP°P»C-CfPcPIC-C7CfCfP°PjPc, PePsC7PSP°PIC-C7CfCfP°PjPc,
 C7PsC,P°PIC-C7CfCfP°PjPc, PmPSC,PmC7PsPIC-C7CfCfP°PjPc),
 PmPSC,PmC7PsPIC-C7CfCfPSPcPNc C,P° PjPmPSC-PSiPsPePsPePsPiPcPNc PjPmPSC-PSiC-C,Pc,
 PiPmPjPsC7P°PiC-CfPSP° P»PcC...PsPjP°PSPeP° P· PSPcC7PePsPiPcPj CfPcPSPcC7PsPjPsPj,
 PeP»C-C%PsPiPcPNc PmPSCfPmC,, P°P»C-C,,

PmC7PmPiP°C7P°C, P·P°CfC, PsCfPsPICfC”C, CHCfCfCf Cf CfPeP»P°PrC-
 PePsPjPiP»PmPeCfPSPsC— C,PmC7P°PiC-C— P±P°PeC,PmC7C-P°P»CHPSPcC...
 C-PSC,, PmPeCfC-PNc [PiCfPmPiPrPsC,CfP±PmC7PeCfP»CHPsP·, PePsPeP»CHCf,
 C-C”C7CfPcPSC-PsP·, PiPSPmPiPjPsPSC-Cf C7C-P·PSPsC— PmC,C-PsP»PsPiC-C—,
 PIPeP»CHCfP°CHCfPc P°C,PcPiPsPiPcC... P·P±CfPrPSPcPeC-PI
 (M. pneumoniae, C. pneumoniae, Legionella spp.)], PrP»Cf PiC7PsC,, C-P»P°PeC,PcPePc
 P±P°PeC,PmC7C-P°P»CHPSPcC... CfCfPeP»P°PrPSPmPSC7 PIC-C7CfCfPSPcC...
 C-PSC,, PmPeCfC-PNc, CfCfPiPmC7C-PSC,, PmPeCfC-PNc. P—P°CfC, PsCfCfPIP°PSPSCf
 PiC7PmPiP°C7P°C, Cf PI PiC7Pm- C,P° PiPsCfC,PIP°PeCfPcPSP°P»CHPSPcPNc PiPmC7C-PsPr
 PiC-PrPiPcC%CfC” PmC,, PmPeC,PcPiPSC-CfC,CH PIP°PeCfPcPSP°CfC-C—,
 P·P°P±Pm·PiPmCfCfC” PSPmCfPiPmCfPcC,, C-CfPSCf PiC7PsC,, C-P»P°PeC,PcPeCf P”P P’P† C,P°
 PiC7PcPiCf PI PjPsPjPmPSC, CfC,P°PSPsPiP»PmPSPSCf PiPsCfC,PIP°PeCfPcPSP°P»CHPSPsPiPs
 C-PjCfPSC-C,PmC,Cf. PmC7PmPiP°C7P°C, PjP°C” PiC7PsC,, C-P»P°PeC,PcCfPSCf
 PmC,, PmPeC,PcPiPSC-CfC,CH PIC-PrPSPsCfPSPs P”P P’P† PSPmPiC7PcPiPsP·PSPsC—
 PmC,C-PsP»PsPiC-C—, PiPsPiPmC7PmPrP¶CfC” C7PsP·PiPcC,PsPe
 C-PSC,PmC7PeCfC7PmPSC,PSPcC... P·P°C...PiPsC7C7PiP°PSC7 Cf
 PiPsCfC,PIP°PeCfPcPSP°P»CHPSPcPNc PiPmC7C-PsPr.

PmPsPjPiPsPSPmPSC,Pc, C%Ps PIC...PsPrCfC,CH PrPs CfPeP»P°PrCf PiC7PmPiP°C7P°C,Cf,
 PjP°C7C,CH C”PrPcPSPcPNc PjPmC...P°PSC-P·Pj PrC-C— Cf PIPcPiP»CfPrC-
 PiC-PrPiPcC%PmPSPSCf C,,CfPSPeCfC-PsPSP°P»CHPSPsC— P°PeC,PcPiPSPsCfC,C- CD4-
 C7PmCfPmPiC,PsC7P°, C7PmCfPmPiC,PsC7C-PI PrPs PiP°PjPjP° C-PSC,PmC7C,, PmC7PsPSCf
 (P†PαPκ-γ) C,P° PiC-CfC,P°PjC-PSCf PIC-PrPiPsPIC-PrPSPs, C%Ps
 CfCfPiC7PsPiPsPrP¶CfC”C,CHCfCfCf PIPcC7P°P¶PmPSPsC7 C-PjCfPSPsC,C7PsPiPSPsC7
 PrC-C”C7.

P·PeCfPiPmC7PcPjPmPSC,P°P»CHPSPs PrPsPiPmPrPmPSPs, C%Ps: P°PSC,PcC,C-P»P° PrPs
C-PSC,PmC7C,, PmC7PsPSCf PiP°PjPjP° PiC-PrPiPcC%CfC7C,CH PmPeCfPiC7PmCfC-C7 P†PαPκ-
γ, P†PαPκ-α/β C,P° PiPsPiPc™ CfP·P°PSPcC... P· PSPcPjPc C-PSC,PmC7P»PmPNcPeC-PSC-PI
(P†P>-2, P†P>-4, P†P>-10 C,P° C-PS.), PiPsP»C-PcCfCfC7C,CH P»C-PiP°PSPr-
C7PmCfPmPiC,PsC7PSCf PIP·P°C”PjPsPrC-C7 P†PαPκ, PIC-PrPSPsPiP»CHC7C,CH
CfPcC,PsPeC-PSPsPiPcPNc CfC,P°C,CfCf; PSPsC7PjP°P»C-P·CfC7C,CH
PePsPSCfPmPSC,C7P°CfC-C7 C,P° C,,CfPSPeCfC-PsPSP°P»CHPSCf P°PeC,PcPiPSC-CfC,CH
PiC7PcC7PsPrPSPcC... P°PSC,PcC,C-P» PrPs P†PαPκ-γ, C%Ps C” PIP°P¶P»PcPiPcPj
C,,P°PeC,PsC7PsPj PiC7PcC7PsPrPSPsC— PiC7PsC,PcPIC-C7CfCfPSPsC—
C,PsP»PmC7P°PSC,PSPsCfC,C- PsC7PiP°PSC-P·PjCf; CfC,PcPjCfP»CHC7C,CH

C-PSC, P_μCT_hC,, P_μCT_hPsPSPsP·P°P»P_μP_¶PSC- P±C-PsP»PsPiC-C‡PSC- P_¶CT_hPsC‡P_μCT_hPë:
C-PSPrC_rPeC‡C-CT_h P_μPeC_rP_¶CT_hP_μCT_hC-C— P°PSC, PëPiP_μPSC-PI PiPsP»PsPIPSPsPiPs
PePsPjPiP»P_μPeC_rC_r PiC-CT_hC, PsC_rC_rPjC-CT_hPSPsC_rC, C- P‡, P‡P‡ C, PëPiC-PI C- Fc-
CT_hP_μC‡P_μPiC, PsCT_hC-PI, P°PeC, PëPIP°C‡C-CT_h PjPsPSPsC‡PëC, C-PI, C_rC, PëPjC_rP»C_¶C‡C-CT_h
C,, C_rPSPeC‡C-PsPSP°P»CH_hPSPsC— P°PeC, PëPIPSPsC_rC, C- NK-PeP»C-C, PëPS,
CT_hP_μPiC_rP»C_¶C‡C-CT_h C_rPëPSC, P_μP·C_r C-PjC_rPSPsPiP»PsP±C_rP»C-PSC-PI,
P°PeC, PëPIC_rCT_hC‡Pë P·PjC-C€P°PSC_r Th1 C, P° Th2 C-PjC_rPSPSC_r PIC-PrPiPsPIC-PrCH_h.

P_hPSC, PëC, C-P»P° PrPs CD4, C-PjPsPIC-CT_hPSPs P±C_rPrC_rC‡Pë P°P»PsC_rC, P_μCT_hPëC‡PSPëPjPë
PjPsPrC_rP»C_¶C, PsCT_hP°PjPë C‡CH_hPsPiPs CT_hP_μC‡P_μPiC, PsCT_hP°, CT_hP_μPiC_rP»CT_hCT_hC, CH_h
C,, C_rPSPeC‡C-PsPSP°P»CH_hPSC_r P°PeC, PëPIPSC-C_rC, CH_h CD4-CT_hP_μC‡P_μPiC, PsCT_hP°, C°°Ps
PiCT_hPëP·PiPsPrPëC, CH_h PrPs PiC-PrPIPëC°°P_μPSPSC_¶ C,, C_rPSPeC‡C-PsPSP°P»CH_hPSPsC—
P°PeC, PëPIPSPsC_rC, C- CD4-P»C-PjC,, PsC‡PëC, C-PI, PSPsCT_hPjP°P»C-P·P°C‡C-C—
C-PjC_rPSPsCT_hP_μPiC_rP»C_¶C, PsCT_hPSPsPiPs C-PSPrP_μPeC_rC_r CD4/CD8, P° C, P°PePsP_¶
C_rC_rP±PiPsPiC_rP»C_¶C‡C-PN_hPSPsPiPs C_rPeP»P°PrC_r C-PjC_rPSPsPePsPjPiP_μC, P_μPSC, PSPëC...
PeP»C-C, PëPS (CD3, CD4, CD8, CD16, CD20).

P_hPSC, PëC, C-P»P° PrPs PiC-C_rC, P°PjC-PSC_r PjPsPrPëC,, C-PeC_rCT_hC, CH_h
PiC-C_rC, P°PjC-PSPsP·P°P»P_μP_¶PSC_r P°PeC, PëPIP°C‡C-CT_h PiP_μCT_hPëC,, P_μCT_hPëC‡PSPëC... C, P°
C‡P_μPSC, CT_hP°P»CH_hPSPëC... P_h1-CT_hP_μC‡P_μPiC, PsCT_hC-PI C- C, P°PePëPj C‡PëPSPsPj
P·PSPëP_¶C_rCT_hC, CH_h C, PsPSC_rC_r PiP»P°PrPePsC— PjC_rC_rPeC_rP»P°C, C_rCT_hPë P±CT_hPsPSC...C-PI,
P·PjP_μPSC€C_rCT_hC, CH_h PiCT_hPsPSPëPePSC-C_rC, CH_h PeP°PiC-P»C_¶C_¶CT_hC-PI, C°°Ps
PiCT_hPëP·PiPsPrPëC, CH_h PrPs C_rPePsCT_hPsC‡P_μPSPSC_¶ C, CT_hPëPIP°P»PsC_rC, C- C, P°
PIPëCT_hP°P·PSPsC_rC, C- CT_hPëPSPsCT_hP_μC—, PSP°P±CT_hC_¶PeC_r C_rP»PëP·PsPiPsC—
PsP±PsP»PsPSPePë PSPsC_rP°, PeP°C€P»CT_h C, P° C‡C...P°PSPSC_¶, P° C, P°PePsP_¶
P·PjP_μPSC°°P_μPSPSC_h PIPëCT_hP°P·PSPsC_rC, C- C_rC_rPiC_rC, PSC-C...
C-PSC,, P_μPeC‡C-PN_hPSPsPjC_r PiCT_hPsC‡P_μCT_hC_r P°P»P_μCT_hPiC-C‡PSPëC... CT_hP_μP°PeC‡C-PN_h P·P°
CT_hP°C...C_rPSPsPe PiCT_hPëPiPSC-C‡P_μPSPSC_¶ PIPëPIC-P»CH_hPSP_μPSPSC_¶ PiC-C_rC, P°PjC-PSC_r
P· PsPiP°C_rPëC_rC, PëC... PeP»C-C, PëPS C- P±P°P·PsC,, C-P»C-PI, PiCT_hPsPrC_rPeC‡C-C—
P»P_μPN_hPePsC, CT_hPëC”PSC-PI, C_rPëPSC, P_μP·C_r PjPsP»P_μPeC_rP» P°PrPiP_μP·C-C—,
P·PSPëP_¶P_μPSPSC_¶ C...P_μPjPsC, P°PeC_rPëC_rC_r P_μPsP·PëPSPsC,, C-P»C-PI C, P°
P°PiCT_hP_μPiP°C‡C-C— C, CT_hPsPjP±PsC‡PëC, C-PI C_r CT_hP_μP°PeC‡C-C_¶C... PSP° PePsPSC, P°PeC, P·
P°P»P_μCT_hPiP_μPSPsPj.

P_¶C_rPjC-C_rPSP_μ P·P°C_rC, PsC_rC_rPIP°PSPSC_¶ PePsPjPiPsPSP_μPSC, C-PI, C°°Ps
PIC...PsPrC_¶C, CH_h PrPs C_rPeP»P°PrC_r PePsPjPiP»P_μPeC_rPSPsPiPs PiCT_hP_μPiP°CT_hP°C, C_r,
C_rC_rPiCT_hPsPiPsPrP_¶C_rC”C, CH_hC_rC_¶ PiPsC_rPëP»P_μPSPSC_¶Pj C—C...
PiCT_hPsC, PëPIC-CT_hC_rC_rPSPsC— P°PeC, PëPIPSPsC_rC, C-.

РъР»C-PSC-C‡PSC- C...P°CT_hP°PeC, P_μCT_hPëC_rC, PëPePë.

P_μPsPeP°P·P°PSPSC_¶.

P_¶CT_hPsC,, C-P»P°PeC, PëPeP° C, P° P»C-PeC_rPIP°PSPSC_¶:

в_h“ PiCT_hPëPiC_r P_h C- P’;

в_h“ PiPsC_rC, CT_hPëC... CT_hP_μC_rPiC-CT_hP°C, PsCT_hPSPëC... PIC-CT_hC_rC_rPSPëC...
C-PSC,, P_μPeC‡C-PN_h, C_rPiCT_hPëC‡PëPSP_μPSPëC... PIC-CT_hC_rC_rPsPj PiP°CT_hP°PiCT_hPëPiC_r,
P°PrP_μPSPsPIC-CT_hC_rC_rPsPj, CT_hP_μC_rPiC-CT_hP°C, PsCT_hPSPs-C_rPëPSC‡PëC, C-P°P»CH_hPSPëPj

PIC-CḡCṛCṛPSPj, PePsCḡPsPSP°PIC-CḡCṛCṛPSPj;

вґ“ PiPμCḡPiPμCṛPIC-CḡCṛCṛPSPēC... C-PSC,,PμPeC†C-PNē (P»P°P±C-P°P»CHḡPSPēPNē
PiPμCḡPiPμCṛ, PsC,,C,P°P»CHḡPjPsPiPμCḡPiPμCṛ, PiPμPSC-C,P°P»CHḡPSPēPNē PiPμCḡPiPμCṛ,
PIC-C,CḡCṼPSP° PIC-CṛP°P, PsPiPμCḡC-P·CṛPIP°P»CHḡPSPēPNē PiPμCḡPiPμCṛ,
C-PSC,,PμPeC†C-PNēPSPēPNē PjPsPSPsPSCṛPeP»PμPsP.);

вґ“ PiPsCṛC,CḡPēC... PePēC€PePsPIPēC... C-PSC,,PμPeC†C-PNē PIC-CḡCṛCṛPSPsC—
PμC,C-PsP»PsPiC-C— (PIPēPeP»PēPeP°PSPēC... PeP°P»C-C†PēPIC-CḡCṛCṛPSPj,
P°PrPμPSPsPIC-CḡCṛCṛPSPj, PePsCḡPsPSP°PIC-CḡCṛCṛPSPj, CḡPsC,P°PIC-CḡCṛCṛPSPj,
PμPSC,PμCḡPsPIC-CḡCṛCṛP°PjPē);

вґ“ PμPSC,PμCḡPsPIC-CḡCṛCṛPSPsPiPs C,P° PjPμPSC-PSPiPsPePsPePsPIPsPiPs
PjPμPSC-PSPiC-C,Cṛ, PiPμPjPsCḡP°PiC-C†PSPsC— P»PēC...PsPjP°PSPePē P·PSPēCḡPePsPIPēPj
CṛPēPSPṛCḡPsPjPsPj, PeP»C-C%oPsPIPsPiPs PμPSC†PμC,,P°P»C-C,Cṛ.

P—P°CṛC,PsCṛCṛPIP°PSPSCṼ Cṛ CṛPeP»P°PrC- PePsPjPiP»PμPeCṛPSPsC— C,PμCḡP°PiC-C—
P±P°PeC,PμCḡC-P°P»CHḡPSPēC... C-PSC,,PμPeC†C-PNē
[PiCṛPμPIPrPsC,CṛP±PμCḡPeCṛP»CHḡPsP, PePsPeP»CḡC€, C-C”CḡCṛPēPSC-PsP,
PiPSPμPIPjPsPSC-CṼ CḡC-P·PSPsC— PμC,C-PsP»PsPiC-C—, Cṛ C,PsPjCṛ C†PēCṛP»C-
PIPēPeP»PēPeP°PSP° P°C,PēPiPsPIPēPjPē P·P±CṛPrPSPēPeP°PjPē (*M. pneumoniae*, *C. pneumoniae*,
Legionella spp.)]; PiCḡPsC,,C-P»P°PeC,PēPeP° P±P°PeC,PμCḡC-P°P»CHḡPSPēC...
CṛCṛPeP»P°PrPSPμPSCḡ PIC-CḡCṛCṛPSPēC... C-PSC,,PμPeC†C-PNē,
CṛCṛPiPμCḡC-PSC,,PμPeC†C-PNē.

PμCḡPsC,PēPiPsPeP°P·P°PSPSCṼ.

PμC-PrPIPēC%oPμPSP° C-PSPṛPēPIC-PrCṛP°P»CHḡPSP° C†CṛC,P»PēPIC-CṛC,CHḡ PrPs
PePsPjPiPsPSPμPSC,C-PI PiCḡPμPiP°CḡP°C,Cṛ.

P’P·P°C”PjPsPrC-CṼ P· C-PSC€PēPjPē P»C-PeP°CḡCṛCHḡPePēPjPē P·P°CṛPsP±P°PjPē C,P° C-PSC€C- PIPēPrPē PIP·P°C”PjPsPrC-PNē.

P’PēPiP°PrPeC-PI PIP·P°C”PjPsPrC-C— P· C-PSC€PēPjPē P»C-PeP°CḡCṛCHḡPePēPjPē
P·P°CṛPsP±P°PjPē PSPμ PIPēCṼPIP»PμPSPs.

PḡCṛPsP±P»PēPIPsCṛC,C- P·P°CṛC,PsCṛCṛPIP°PSPSCṼ.

P”Ps CṛPeP»P°PrCṛ PiCḡPμPiP°CḡP°C,Cṛ PIC...PsPrPēC,CHḡ P»P°PeC,PsP·P°, Cṛ
P·PiBḡ™CṼP·PeCṛ P· C†PēPj PNēPsPiPs PSPμ CḡPμPePsPjPμPSPṛCṛC”C,CHḡCṛCṼ
PiCḡPēP·PSP°C†P°C,Pē PiP°C†C-C”PSC,P°Pj C-P· PICḡPsPrPḡPμPSPsCḡ
PiP°P»P°PeC,PsP·PμPjC-C”Cḡ, CṛPēPSPṛCḡPsPjPsPj PjP°P»CHḡP°P±CṛPsCḡP±C†C-C—
PiP»CḡPePsP·Pē P°P±Ps PiP°P»P°PeC,PsP·Pē C,P° C-P· PICḡPsPrPḡPμPSPsCḡ
P»P°PeC,P°P·PSPsCḡ PSPμPrPsCṛC,P°C,PSC-CṛC,Cḡ.

*P—P°CÍC,PsCÍC¿PIP°PSPSCÍ C¿ PíPµCĤC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps
PiPsPrC¿PIP°PSPSCÍ PiCĤC¿PrPrCĤ.*

*PkPµPjP°C” PrP°PSPëC... C%PsPrPs PµC,,PµPeC,PëPIPSsCÍC,C- PN P±PµP·PíPµPePë
P·P°CÍC,PsCÍCíPIP°PSPSCÍ PíCĤPµPíP°CĤP°C,Cr PIP°PiC-C,PSPëPj P°P±Ps P¶C-PSPeP°Pj,
C¶PeC- PiPsPrCíCĤC,CH PiCĤCíPrPrCĤ, C,PsPjCí PNPsPiPs PSPµ CÍP»C-Pr
PíCĤPëP·PSP°C±P°C,Pë C,P°PePëPj PíP°C†C-C”PSC,PeP°Pj.*

*P—PrP°C,PSC-CÍC,CH PIPíP»PëPIP°C,Pë PSP° C¿PIPëPrPeC-CÍC,CH CĤPµP°PeC†C-C— PíCĤPë
PePµCĤC¿PIP°PSPSC- P°PIC,PsC,CĤP°PSCÍPíPsCĤC,PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë.*

*PµCĤPµPíP°CĤP°C, PSPµ PIPíP»PëPIP°C” PSP° P·PrP°C,PSC-CÍC,CH PePµCĤCíPIP°C,Pë
C,CĤP°PSCÍPíPsCĤC,PSPëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSCëPëPjPë PíPsC,PµPSC†C-PNPsPs
PSPµP±PµP·PíPµC±PSPëPjPë PjPµC...P°PSC-P·PjP°PjPë.*

PŸPíPsCÍC-P± P·P°CÍC,PsCÍC¿PIP°PSPSCÍ C,P° PrPsP·Pë.

*P—P°CÍC,PsCÍPsPICíCĤC,CH PrPsCĤPsCÍP»PëPj C,P° PrC-C,C¶Pj PIC-PePsPj PIC-Pr 6
PjC-CÍC¶C†C-PI. PµCĤPµPíP°CĤP°C, PíCĤPëPNPjP°CĤC,CH PIPSCíC,CĤC-C¿PSCĤPs, PíPs 1
C,P°P±P»PµC,C†C- PSP° PíCĤPëPNPsPj (PSPµ P·P°CÍC,PsCÍPsPICíPIP°C,Pë PíCĤPµPíP°CĤP°C,
CĤP°P·PsPj P·C—P¶PµCĤ). PŸP°P±P»PµC,PeCí C,CĤPëPjP°CĤC,CH Cr CĤPsC,C- (P±P°P¶P°PSPs
PSPµ CĤPsP·P¶PsPICíCĤC±Pë C,P° PSPµ PePsPIC,P°CĤC±Pë) PrPs PíPsPIPSsPiPs
CĤPsP·C±PëPSPµPSPSCÍ.*

P”C-C,C¶Pj P· 6 PjC-CÍC¶C†C-PI. Pj CĤP°P·C- PíCĤPëP·PSP°C±PµPSPSCÍ
PíCĤPµPíP°CĤP°C,Cr PrC-C,C¶Pj PjPsP»PsPrC¿PsPiPs PIC-PeCí (PIC-Pr 6 PjC-CÍC¶C†C-PI PrPs
3 CĤPsPeC-PI) CĤPµPePsPjPµPSPPrPsPIP°PSPs CĤPsP·C±PëPSCÍC,Pë C,P°P±P»PµC,PeCí Cr
PSPµPIPµP»PëPeC-PN PeC-P»CHPePsCÍC,C- (1 CÍC,PsP»PsPIP° P»PsP¶PeP°)
PePëPíBĤ™ C¶C±PµPSPsC— PíPsPrPë PeC-PjPSP°C,PSPsC— C,PµPjPíPµCĤP°C,CrCĤPë.

*P>C-PeCíPIP°PSPSCÍ PíPsC,CĤC-P±PSPs PíPsC±PëPSP°C,Pë C¶Pe PjPsP¶PSP° CĤP°PSC-C¿Pµ
PíCĤPë PíPsC¶PIC- PíPµCĤC¿PëC... PsP·PSP°Pe PiPsCÍC,CĤPsC— PIC-CĤCíCÍPSPsC—
C-PSC,,PµPeC†C-C— P·P° C,P°PePsCĤ CÍC...PµPjPsCĤ: PíPµCĤC¿C- 2 PiPsPrPëPSPë
PíCĤPµPíP°CĤP°C, PíCĤPëPNPjP°CĤC,CH PePsP¶PSC- 30 C...PI, PíPsC,C-Pj PíCĤPsC,C¶PiPsPj
PíPµCĤC¿PsC— PrPsP±Pë BĤ” C%Pµ 3 C,P°P±P»PµC,PePë C±PµCĤPµP· CĤC-PIPS-
PíCĤPsPjC-P¶PePë C±P°CÍCí. PµPsC±PëPSP°CĤC±Pë P· 2-C— PrPsP±Pë PN PSP°PrP°P»C-
PíCĤPµPíP°CĤP°C, PíCĤPëPNPjP°CĤC,CH PíPs 1 C,P°P±P»PµC,C†C- 3 CĤP°P·Pë PSP° PrPsP±Cí
PrPs PíPsPIPSsPiPs PsPrCíP¶P°PSPSCÍ.*

*P”P»C¶ PíCĤPsC,,C-P»P°PeC,PëPePë PIC-CĤCíCÍPSPëC... C-PSC,,PµPeC†C-PNPsPSPëC...
P·P°C...PIPsCĤCĤPIP°PSCĤ BĤ” PíPs 1BĤ”2 C,P°P±P»PµC,PePë PSP° PrPsP±Cí.
P PµPePsPjPµPSPPrPsPIP°PSPëPN C,PµCĤPjC-PS PíCĤPsC,,C-P»P°PeC,PëC±PSPsPiPs PeCíCĤCíCí
PIPëP·PSP°C±P°C”C,CHCÍC¶ C-PSPPrPëPIC-PrCíP°P»CHPsPs C- PjPsP¶Pµ CÍC,P°PSPsPIPëC,Pë
1BĤ”6 PjC-CÍC¶C†C-PI.*

*P—P° PSPµPsP±C...C-PrPSPsCÍC,C-, PíCĤPµPíP°CĤP°C, PjPsP¶PSP° PíPsC”PrPSCíPIP°C,Pë P·
C-PSCëPëPjPë PíCĤPsC,PëPIC-CĤCíCÍPSPëPjPë C,P° CÍPëPjPíC,PsPjP°C,PëC±PSPëPjPë
P·P°CÍPsP±P°PjPë.*

$\text{P}\mu\text{C}\eta\text{P}\mu\text{P}\mu\text{P}^\circ\text{C}\eta\text{P}^\circ\text{C}$, $\text{P}\cdot\text{P}^\circ\text{C}\acute{\text{C}}$, $\text{P}_s\text{C}\acute{\text{C}}\text{P}_s\text{P}\text{I}\text{C}\acute{\text{C}}\text{C}\eta\text{C}$, $\text{C}\eta$ PrC-C , $\text{C}\eta\text{Pj}$ PIC-PePsPj PIC-Pr 6
 $\text{PjC-C}\acute{\text{C}}\text{C}\eta\text{C}\dagger\text{C-PI}$.

$\text{P}_{\text{u}}\text{C}_{\text{H}}\text{P}_{\text{e}} \text{ PIP}\ddot{\text{P}}\text{P}^{\circ}\text{PrPePsPIP}\text{S}_{\text{PjCr}} \text{ P}\ddot{\text{P}}\text{P}_{\text{u}}\text{C}_{\text{H}}\text{P}_{\text{u}}\text{PrPsP}\cdot\text{CrPIP}^{\circ}\text{PSPSC}-\text{P}_{\text{J}}\text{PsP}\P\text{P}\gg\text{P}\ddot{\text{P}}\text{PIC}-$
 $\text{PrP}\ddot{\text{P}}\text{C}\acute{\text{I}}\text{P}\ddot{\text{P}}\text{P}_{\text{u}}\text{P}\ddot{\text{C}}, \text{P}\ddot{\text{C}}\ddagger\text{PSC}-\text{P}\ddot{\text{C}}_{\text{H}}\text{PsC}_{\text{H}}\text{PIP}\ddot{\text{P}}, \text{PsP}\pm\text{CrP}_{\text{J}}\text{PsPIP}\gg\text{P}_{\text{u}}\text{PSC}-\text{PSP}^{\circ}\text{P}\ddot{\text{P}}\text{PsPIPSC}_{\text{H}}\text{PIP}^{\circ}\text{C}\ddagger\text{P}^{\circ}\text{P}_{\text{J}}\text{P}\ddot{\text{P}},$
 $\text{C}\%_{\text{O}}\text{Ps PIC}\dots\text{PsPrC}_{\text{H}}\text{C}, \text{CH} \text{ PrPs } \text{C}\acute{\text{I}}\text{PeP}\gg\text{P}^{\circ}\text{PrCr} \text{ P}\ddot{\text{C}}_{\text{H}}\text{P}_{\text{u}}\text{P}\ddot{\text{P}}^{\circ}\text{C}_{\text{H}}\text{P}^{\circ}\text{C}, \text{Cr}.$

[illegible][illegible]

BB
BB
BB

3 C₇H₉PsPeP₂.

[illegible]
$$\text{P}-\text{P}\pm\text{P}_m\text{C}_7\text{H}_5-\text{PiP}^\circ\text{C}, \text{P}\ddot{\text{e}} \text{ PiC}_7\text{H}_5\text{P}\ddot{\text{e}} \text{ C}, \text{P}_m\text{P}_j\text{PiP}_m\text{C}_7\text{H}_5\text{P}^\circ\text{C}, \text{C}_7\text{C}_7\text{H}_5-\text{PSP}_m \text{ PiP}\ddot{\text{e}}\text{C}\%_0\text{P}_m 25 \text{ B}^\circ\text{P}\ddot{\text{Y}}.$$
$$\text{P}-\text{P}\pm\text{PuCTjC}-\text{PiP}^{\circ}\text{C},\text{P}\ddot{\text{e}}\text{ C}\acute{\text{r}}\text{ PSpuPrPsC}\acute{\text{r}}\text{C},\text{C}\acute{\text{r}}\text{PiPSPsPjC}\acute{\text{r}}\text{ PrP}\gg\text{C}\Pi\text{ PrC}-\text{C},\text{PuPN}_{\circ}\text{ PjC}-\text{C}\acute{\text{r}}\text{C}\dagger\text{C}-.$$

$\text{P}\ddot{\text{u}}\text{P}\text{s } 20 \text{ C}, \text{P}^\circ\text{P}\pm\text{P}\gg\text{P}\ddot{\text{u}}\text{C}, \text{P}\text{sPe } \text{C}\acute{\text{r}} \text{ P}\pm\text{P}\gg\text{C}-\text{C}\acute{\text{r}}\text{C}, \text{P}\ddot{\text{u}}\text{C}\ddot{\text{H}}\text{C}-; \text{P}\ddot{\text{u}}\text{P}\text{s } 1, 2 \text{ P}^\circ\text{P}\pm\text{P}\text{s } 5 \text{ P}\pm\text{P}\gg\text{C}-\text{C}\acute{\text{r}}\text{C}, \text{P}\ddot{\text{u}}\text{C}\ddot{\text{H}}\text{C}-\text{PI } \text{C}\acute{\text{r}} \\ \text{PeP}^\circ\text{C}\ddot{\text{H}}\text{C}, \text{P}\text{sPSPSC}-\text{PN}\ddot{\text{e}} \text{PeP}\text{sC}\ddot{\text{H}}\text{P}\text{sP}\pm\text{C}\dagger\text{C}-.$

РлР°С,РμРiРsСђС-СЦ РlС-РгРiСѓСѓРєСѓ.

Р'РµР· СЃРµС†РµРїС,Р°.

Р'РёСЃР±Р±РёРё.

Р—РђРђ РђР°Р°С,Р°Р°С—РёР°.

РёС—СЃ†РµР·Р°...Р°Р°Р°Р°Р°Р°Р° Р'РёСЃР±Р±РёРёР° С,Р° Р°Р°Р°Р°Р°Р°Р° Р°Р°СЃРµР°Р° РјС—СЃ†СЃ РёСЃР°Р°Р°Р°Р°Р° Р°Р°С—СЃ»СёР°Р°СЃС,С-.

Р'СѓР». Р'РµР°Р°Р°Р°СЃС 134Р', Рј. РёР°Р°СѓР°Р°СЃ, РёР°Р°СѓР°Р°СЃСёСёРµРµ Рј. СЃР°Р°Рј., LT-46353, Р»РёС,Р°Р°.

Р—Р°Р°Р°Р°Р°Р°Р°.

РђРђР' "РёР°С,РµСЃС—Р° РёРµРµР°Р°РёРёР°Р°-РјРёСЃР°С—Р°Р°".

РёС—СЃ†РµР·Р°...Р°Р°Р°Р°Р°Р°Р° Р·Р°Р°Р°Р°Р°Р°Р°.

РјРёСЃР°С—Р°Р°, 03062, Рј. РёРёС—Р°, Р°СЃР°». РёРёР°СЃСёСёР°Р°, Р±СѓР°Р°. 20,

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