

**PrP»CЦ PjPμPrPëC‡PSPsPiPs P•P°CíC,PsCíCíPIP°PSPSCЦ P»C-PeP°CíCíCñPePsPiPs
P•P°CíPsP±Cí**

(VISTAMID)

$$\begin{aligned} & \text{P}^{\circ}\text{C}-\text{P}\epsilon\text{P}^{\circ}\text{P}\gg\text{Cr}^{\circ}\text{C}, \text{P}^{\circ}\text{PjC}-\text{Pr}^{\circ}\text{C}'' \text{PSP}_{\mu}\text{C}\dot{\text{I}}^{\circ}\text{C}, \text{P}_{\mu}\text{C}\dot{\text{H}}\text{PsC}-\text{PrPSP}\ddot{\text{e}}\text{Pj}^{\circ}\text{P}^{\circ}\text{PSC}, \text{P}\ddot{\text{e}}\text{P}^{\circ}\text{PSPrC}\dot{\text{H}}\text{PsPiP}_{\mu}\text{PSPsPj}, \\ & \text{C}_{\%0}\text{PsPSP}_{\mu}\text{PjP}^{\circ}\text{C}''\text{C}-\text{PSC}\epsilon\text{PsPiPsPI}\dot{\text{P}}\text{iP}\gg\text{P}\ddot{\text{e}}\text{PICr}^{\circ}\text{PSP}^{\circ}\text{P}_{\mu}\text{PSPrPsPeC}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{PSPSCr}^{\circ}\text{C}\dot{\text{I}}^{\circ}\text{P}\ddot{\text{e}}\text{C}\dot{\text{I}}^{\circ}\text{C}, \text{P}_{\mu}\text{PjCr}. \end{aligned}$$

РiС-РrРiСҫСrРi РrРµCҫPеC- C,РµPSPРrРµPSCҫC-C— P±CҫP»Pё PsCҫPµPIPёPrPSPёPjPё.

P”P°PSC- C%PsPrPs PIPёPҫPёPIP°PSPSCҫ P±PµP· PиCҫPsPiCҫPµCҫC-C—
P·P°C...PIPsCҫCҫHIP°PSPSCҫ C,Р° PrP°PSC- C%PsPrPs P·P°PiP°P»CHPSPsPiPs
PIPёPҫPёPIP°PSPSCҫ, C%Ps T’CҫCҫPSC,CҫPIP°P»PёCҫCҫ PSP° P°PSP°P»C-P·C- P·P°
PjPµC,PsPrPsPj PҫP°PiP»P°PSP°Bҫ”PҫPµPµC”CҫP°, Cҫ PiP°CҫC-C”PSC,C-PI P·
PjC-CҫCҫPµPIPsCҫPsP·PiPsPICҫCҫPrPҫPµPSPёPj CҫP°PePsPj PиCҫPsCҫC,P°C,Pё
PSP°PIPµPrPµPSC- Cҫ C,P°P±P»PёCҫCҫC... 1 C,P° 2.

PҫPиC-PIPIC-PrPSPsCёPµPSPSCҫ PеC-P»CHPePsCҫC,C- PiP°CҫC-C”PSC,C-PI C-P·
PjC-CҫCҫPµPIPs-CҫPsP·PiPsPICҫCҫPrPҫPµPSPёPj CҫP° PiP°CҫC-C”PSC,C-PI C-P·

PиCҫPsPiCҫPµCҫCҫPIP°PSPSCҫPj P·P°C...PIPsCҫCҫHIP°PSPSCҫ Cҫ PиC-PrPиCҫCҫPiP°C... C-P·
CҫC-P·PSPёPjPё CҫC...PµPjP°PjPё P»C-PeCҫPIP°PSPSCҫ

PҫP°P±P»PёCҫCҫ 1

PµPsPiCҫP»CҫCҫC-PMёPSPёPMё P°PSP°P»C-P·	P”CҫCҫPiP° P»C-PeCҫPIP°PSPSCҫ	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 3 CҫPsPePё	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 5 CҫPsPeC-PI	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 7 CҫPsPeC-PI	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 10 CҫPsPeC-PI
P”PёPSP°PjC-CҫPSPµ CҫPiPsCҫC,PµCҫPµPҫPµPSPSCҫ (n=657)	P’C-PeP°P»CҫC,P°PjC-Pr 150 PjPi	19,7 %	36,3 %	52,1 %	73,2 %
	PµP»P°CҫPµP±Ps	39,8 %	59,7 %	70,7 %	79,1 %
P P°PrC-PsC,PµCҫP°PiC-Cҫ (n=305)	P’C-PeP°P»CҫC,P°PjC-Pr 150 PjPi	13,9 %	33,0 %	42,1 %	62,7 %
	PµP»P°CҫPµP±Ps	30,7 %	49,4 %	58,6 %	72,2 %
P P°PrPёPeP°P»CHPSP° PiCҫPsCҫC,P°C,PµPeC,PsPjC-Cҫ (n= 1719)	P’C-PeP°P»CҫC,P°PjC-Pr 150 PjPi	7,5 %	14,4 %	19,8 %	29,9 %
	PµP»P°CҫPµP±Ps	11,7 %	19,4 %	23,2 %	30,9 %

P—P°PiP°P»CHPSPµ PIPёPҫPёPIP°PSPSCҫ Cҫ PiP°CҫC-C”PSC,C-PI C-P· PjC-CҫCҫPµPIPs-
CҫPsP·PiPsPICҫCҫPrPҫPµPSPёPj P·P°C...PIPsCҫCҫHIP°PSPSCҫPj

Cҫ PиC-PrPиCҫCҫPiP°C... C-P· CҫC-P·PSPёPjPё CҫC...PµPjP°PjPё P»C-PeCҫPIP°PSPSCҫ

PҫP°P±P»PёCҫCҫ 2

PµPsPiCҫP»CҫCҫC-PMёPSPёPMё P°PSP°P»C-P·	P”CҫCҫPiP° P»C-PeCҫPIP°PSPSCҫ	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 3 CҫPsPePё	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 5 CҫPsPeC-PI	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 7 CҫPsPeC-PI	PµPsPrC-C— (%) PSP° PjPsPjPµPSC, 10 CҫPsPeC-PI
P”PёPSP°PjC-CҫPSPµ CҫPiPsCҫC,PµCҫPµPҫPµPSPSCҫ (n=657)	P’C-PeP°P»CҫC,P°PjC-Pr 150 PjPi	14,2 %	29,4 %	42,2 %	65,0 %
	PµP»P°CҫPµP±Ps	17,0 %	36,4 %	53,7 %	67,5 %
P P°PrC-PsC,PµCҫP°PiC-Cҫ (n=305)	P’C-PeP°P»CҫC,P°PjC-Pr 150 PjPi	8,2 %	20,9 %	30,0 %	48,5 %
	PµP»P°CҫPµP±Ps	12,6 %	23,1 %	38,1 %	53,3 %
P P°PrPёPeP°P»CHPSP° PiCҫPsCҫC,P°C,PµPeC,PsPjC-Cҫ (n= 1719)	P’C-PeP°P»CҫC,P°PjC-Pr 150 PjPi	4,6 %	10,0 %	14,6 %	22,4 %
	PµP»P°CҫPµP±Ps	4,2 %	8,7 %	12,6 %	20,2 %

Pj PiP°CҫC-C”PSC,C-PI C-P· P»PsPeP°P»C-P·PsPIP°PSPёPj P·P°C...PIPsCҫCҫHIP°PSPSCҫPj,

CИPеC- PсC, CґPөPjCfPIP°P»Pө C, C-P»CHPеPө P±C-PeP°P»CfC, P°PjC-Pr,
 PrPсCfC, PsPIC-CґPSPсC— CґC-P·PSPөC†C- Cf PIPөP¶PөPIP°PSPSC- P±PµP·
 PïCґPsPiCґPµCfCfPIP°PSPSCИ P·P°C...PIPсCґCHPIP°PSPSCИ PSPµPjP°C". PґP°PePsP¶ Cf
 PïP°C†C-C"PSC, C-PI C-P· P»PsPeP°P»C-P·PsPIP°PSPөPj P·P°C...PIPсCґCHPIP°PSPSCИPj, CИPеC-
 PsC, CґPөPjCfPIP°P»Pө P±C-PeP°P»CfC, P°PjC-Pr CИPе P°PrBґ™ CґPIP°PSC, PSCf
 C, PµCґP°PïC-Cґ PïC-CfP»CИ CґP°PrC-PсC, PµCґP°PïC-C— (P'P = 0,98; 95 % P"Pt 0,80Bґ"1,20)
 P°P±Ps CґP°PrPөPeP°P»CHPSPсC— PïCґPsCfC, P°C, PµPeC, PsPjC-C— (P'P = 1,03; 95 % P"Pt
 0,85Bґ"1,25), PrPсCfC, PsPIC-CґPSPсC— PIC-PrPjC-PSPSPсCfC, C- Cf CґC-PIPSC-
 P·P°PiP°P»CHPSPсPiPs PIPөP¶PөPIP°PSPSCИ PSPµ CfPïPsCfC, PµCґC-PiP°P»PsCfCИ.
 Pj PïP°C†C-C"PSC, C-PI C-P· P»PsPeP°P»C-P·PsPIP°PSPөPj P·P°C...PIPсCґCHPIP°PSPSCИPj, PrPs
 CИPеPөC... PI C-PSCөPsPjCf PIPөPiP°PrPeCf P·P°CfC, PsCfCfPIP°P»Pө P± C, P°PeC, PөPeCf
 PrPөPSP°PjC-C†PSPсPiPs CfPïPsCfC, PµCґPµP¶PµPSPSCИ, C, P°PePsP¶
 CfPïPsCfC, PµCґC-PiP°C"C, CHCfCИ C, PµPSPPrPµPSC†C-CИ PrPs P·PjPµPSCөPµPSPSCИ
 CґC-PIPSCИ PIPөP¶PөPIP°PSPSCИ PïPsCґC-PIPSCИPSPс P· PïP°C†C-C"PSC, P°PjPө, CИPеC-
 PïCґPөPµPjP°P»Pө PïP»P°C†PµP±Ps (P'P = 1,15; 95 % P"Pt 1,00Bґ"1,32). P— PsPiP»CИPrCf PSP°
 C†Pµ CfPïC-PIPIC-PrPSPсCөPµPSPSCИ CґPөP·PөPeCf/PePsCґPөCfC, C-
 P·P°CfC, PsCfCfPIP°PSPSCИ P'C-PeP°P»CfC, P°PjC-PrCf PïP°C†C-C"PSC, P°Pj C-P·
 P»PsPeP°P»C-P·PsPIP°PSPөPj P·P°C...PIPсCґCHPIP°PSPSCИPj PSPµ PIPIP°P¶P°C"C, CHCfCИ
 PrPсC†C-P»CHPSPөPj.

P' C-PSCөC-PNө PïCґPsPiCґP°PjC- PµC,, PµPeC, PөPIPSC-CfC, CH P±C-PeP°P»CfC, P°PjC-PrCf
 PrP»CИ P»C-PeCfPIP°PSPSCИ PïP°C†C-C"PSC, C-PI C-P·
 PjC-CfC†PµPIPsCґPsP·PïPsPICfCґPrP¶PµPSPөPj CґP°PePsPj PïCґPsCfC, P°C, Pө P±PµP·
 PjPµC, P°CfC, P°P·CfPIP°PSPSCИ, CИPеPөPj P±CfP»P° PïPsPeP°P·P°PSP° PSPµPiP°PNөPSP°
 PeP°CfC, CґP°C†C-CИ, P±CfP»P° PïCґPsPrPµPjPsPSCfC, CґPsPIP°PSP° Cf PrPIPsC...
 PrPсCfP»C-PrP¶PµPSPSCИC..., Cf CИPеPөC... PIP·CИP»Pө CfC†P°CfC, CH 480
 PïPsPiPµCґPµPrPSCґPs PSPµ P»C-PePsPIP°PSPөC... PïP°C†C-C"PSC, C-PI C-P· CґP°PePsPj
 PïCґPsCfC, P°C, Pө P±PµP· PjPµC, P°CfC, P°P·CfPIP°PSPSCИ (Pґ0). PќP° PjPsPjPµPSC,
 PjPµPrC-P°PSPө PïPµCґC-PsPrCf CfPïPsCfC, PµCґPµP¶PµPSPSCИ 6,3 CґPsPeCf
 CґC-PIPµPSCґ P»PµC, P°P»CHPSPсCfC, C- CfC, P°PSPсPIPөPI 56 % C- PrPсCfC, PsPIC-CґPSPс
 PSPµ PIC-PrCґC-P·PSCИPICfCИ Cf PïCґCfPïP°C... P·P°CfC, PsCfCfPIP°PSPSCИ
 P±C-PeP°P»CfC, P°PjC-PrCf C, P° PeP°CfC, CґP°C†C-C— (P'P = 1,05; P"Pt 0,81Bґ"1,36);
 PsPrPSP°Pe CґC-PIPSPсC†C-PSPSC-CfC, CH PsP±PsC... PjPµC, PsPrC-PI P»C-PeCfPIP°PSPSCИ
 PSPµ PjPsP¶PSP° PsC†C-PSPөC, Pө CfC, P°C, PөCfC, PөC†PSPс.

Pj C...PsPrC- 2 PrPсCfP»C-PrP¶PµPSCґ, Cf CИPеPөC... PIP·CИP»Pө CfC†P°CfC, CH 805
 PïPsPiPµCґPµPrPSCґPs PSPµ P»C-PePsPIP°PSPөC... PïP°C†C-C"PSC, C-PI C-P·
 PjPµC, P°CfC, P°P·CfPIP°PSPSCИPj (Pґ1) PïCґPө CґC-PIPSC- P»PµC, P°P»CHPSPсCfC, C- 43 %,
 P±C-PeP°P»CfC, P°PjC-Pr P±CfPI PsC†C-PSPµPSPөPNө CИPе PjPµPSCө PµC,, PµPeC, PөPIPSPөPNө,
 PSC-P¶ PeP°CfC, CґP°C†C-CИ, C°PsPrPs C†P°CfCf PIPөP¶PөPIP°PSPSCИ
 (CfPïC-PIPIC-PrPSPсCөPµPSPSCИ CґPөP·PөPeC-PI = 1,30; PrPsPIC-CґC†PөPNө
 C-PSC, PµCґPIP°P» 1,04Bґ"1,65), PïCґPө C†CHPsPjCf C†PөCfPµP»CHPSP° CґC-P·PSPөC†CИ Cf
 C†P°CfC- PrPs P»PµC, P°P»CHPSPсPiPs PSP°CfP»C-PrPeCf CfC, P°PSPсPIPөP»P° 42 PrPSC- (6
 C, PөP¶PSC-PI) PïCґPө PjPµPrC-P°PSC- PIPөP¶PөPIP°PSPSCИ 2 CґPsPePө.

P'C-PeP°P»CfC, P°PjC-Pr C" CґP°C†PµPjP°C, PsPj P· P°PSC, PөP°PSPPrCґPsPiPµPSPSPсCґ
 P°PeC, PөPIPSC-CfC, Cґ, PïCґPµPrCfC, P°PIP»PµPSPөPNө PjP°PNөP¶Pµ PIPөPSCИC, PePsPIPs
 R-PµPSP°PSC, C-PsPjPµCґPsPj.

P"C-C, Pө.

P-PsPrPSPөC... PrPсCfP»C-PrP¶PµPSCґ P· CfC†P°CfC, Cґ PrC-C, PµPNө PSPµ

РiСҒPsPIPsPrPëP»Pë (PrPëPl. СҒPsP·PrC-P»Pë B«PұСҒPsC,PëPіPsPeP°P·P°PSPSCІB» C-
B«P—P°CҒC,PсCҒCрPIP°PSPSCІ CҒ PіPμCҒC-PsPr PIP°PiC-C,PSPсCҒC,C- C,P°
PiPsPrCҒPIP°PSPSCІ PiCҒCҒPrPrCҒB»).

PαP°CҒPjP°PePsPeC-PSPμC,PëPeP°.

PҒP±CҒPsCҒP±CҒC-Cl.

P'C-PeP°P»CҒC,P°PjC-Pr PrPsP±CҒPμ PICҒPjPsPeC,CҒC"C,CHCҒCІ PіC-CҒP»Cl
PіPμCҒPsCҒP°P»CHPSPsPiPs PіCҒPëPμPsPjCҒ. PкPμPjP°C" PrPsPeP°P·C-PI PeP»C-PSC-CҒPSPs
P·PSP°CҒCҒC°%PsPiPs PμC,,PμPeC,CҒ PіCҒPëPμPsPjCҒ C—PҒC- PSP°
P±C-PsPrPsCҒC,CҒPіPSC-CҒC,CH P»C-PeP°CҒCҒCHPePsPiPs P·P°CҒPsP±CҒ.

P PsP·PiPsPrC-P».

P'C-PeP°P»CҒC,P°PjC-Pr PjP°C" PIPëCҒPsPePëPμ CҒC,CҒPіC-PSCH P·PiBҒ™ ClP·CҒPIP°PSPSCІ
P·P±C-P»PeP°PjPë PeCҒPsPIC- (CҒP°CҒPμPjP°C, вҒ" 96 % (R)-PμPSP°PSC,C-PsPjPμCҒ - >99 %)
C,P° C-PSC,PμPSCҒPëPIPSs PjPμC,P°P±PsP»C-P·CҒC"C,CHCҒCІ (CєP»ClC...PsPj
PsPeCҒPëPrP°CҒC— C,P° PiP»CҒPeCҒCҒPsPSC-P·P°CҒC—), PμPsPiPs PjPμC,P°P±PsP»C-C,Pë
PsPrPSP°PePsPIPsCҒ PjC-CҒPsCҒ PIPëPrC-P»ClCҒC,CHCҒCІ P· CҒPμCҒPμCҒ C,P°
PҒPsPICҒCҒ.

P'C-PsC,CҒP°PSCҒC,,PsCҒPjP°CҒC-Cl.

(S)-PμPSP°PSC,C-PsPjPμCҒ PrCҒPҒPμ CєPIPëPrPePs PIPëPIPsPrPëC,CHCҒCІ
PiPsCҒC-PIPSClPSPs C-P· (R)-PμPSP°PSC,C-PsPjPμCҒPsPj; PіPμCҒC-PsPr
PSP°PіC-PIIPëPIPμPrPμPSPSCІ PsCҒC,P°PSPSCHPsPiPs P· PіP»P°P·PjPë PeCҒPsPIC-
CҒC,P°PSPsPIPëC,CH PіCҒPëP±P»PëP·PSPs 1 C,PëPҒPrPμPSCH.

PұCҒPë C°%PsPrPμPSPSPsPjCҒ P·P°CҒC,PсCҒCҒPIP°PSPSC- P±C-PeP°P»CҒC,P°PjC-PrCҒ (R)-
PμPSP°PSC,C-PsPjPμCҒ CҒPμCҒPμP· PμPsPiPs C,CҒPëPIP°P»PëPμ PіPμCҒC-PsPr
PSP°PіC-PIIPëPIPμPrPμPSPSCІ PeCҒPjCҒP»CҒC"C,CHCҒCІ CҒ PіP»P°P·PjC- PeCҒPsPIC- PI 10-
PeCҒP°C,PSC-Pμ PePsPSCҒPμPSC,CҒP°CҒC—.

PұP»P°C,Ps PePsPSCҒPμPSC,CҒP°CҒC— (R)-PμPSP°PSC,C-PsPjPμCҒP° PSP° CҒC-PIPS-
PіCҒPëP±P»PëP·PSPs 22 PjPePi/PjP» CҒPіPsCҒC,PμCҒC-PiP°C"C,CHCҒCІ PіCҒPë
P·P°CҒC,PсCҒCҒPIP°PSPSC- PrPμPSPSPс— PrPsP·Pë 150 PjPi P±C-PeP°P»CҒC,P°PjC-PrCҒ. Pj
CҒC,P°P±C-P»CHPSC-Pμ C,,P°P·C- PSP° CҒP°CҒC,PeCҒ PіPμCҒPμPIP°PҒPSPs
P°PeC,PëPIPSsPiPs (R)-PμPSP°PSC,C-PsPjPμCҒP° PіCҒPëPіP°PrP°C" 99 % PIC-Pr
P·P°PiP°P»CHPSPс— PeC-P»CHPePsCҒC,C- CҒPëCҒPeCҒP»CҒCҒCҒPëC...
PμPSP°PSC,C-PsPjPμCҒC-PI.

P·P»C-PjC-PSP°CҒC-Cl(PIPëPIPμPrPμPSPSCІ).

Pj C...PsPrC- PeP»C-PSC-CҒPSPsPiPs PrPsCҒP»C-PrPҒPμPSPSCІ CҒPμCҒPμPrPSCІ
PePsPSCҒPμPSC,CҒP°CҒC-Cl (R)-P±C-PeP°P»CҒC,P°PjC-PrCҒ CҒ CҒPіPμCҒPjC-
CҒPsP»PsPIC-PeC-PI, ClPeC- PμPsPiPs PsC,CҒPëPjCҒPIP°P»Pë CҒ PrPsP·C- 150 PjPi,
CҒC,P°PSPsPIPëP»P° 4,9 PjPePi/PjP». PҒC-P»CHPeC-CҒC,CH P±C-PeP°P»CҒC,P°PjC-PrCҒ,
ClPeP° PіPsC,PμPSCҒC-PμPSPs PіPsC,CҒP°PіP»ClC" PI PsCҒPiP°PSC-P·Pj PҒC-PSPePë-
PіP°CҒC,PSPμCҒP° PіC-Pr CҒP°CҒ CҒC,P°C,PμPIPëC... P·PSPсCҒPëPS, C" PSPëP·CHPePsCҒ C,P°
PjPsPҒPμ CҒC,P°PSPsPIPëC,Pë PіCҒPëP±P»PëP·PSPs 0,3 PjPePi/PjP». PіPμPμ CҒC-PIPμPSCH C"
PSPëPҒCҒPëPj P·P° C,PsPμ, C°%Ps CҒ P»P°P±PsCҒP°C,PсCҒPSPëC... C,PiP°CҒPëPS

РiСҢРёР·РiРsРrРёС,СҢ РrРs Р·РjС-РsРё РiРsС,РsРjСГС,РiР°.

РґСГРsР±Р»РёРiС- РiСҢСрРiРё РiР°СГС-С"РsС,С-Рi.

Р±Р°СҢРjР°РёРsРёС-РsРµС,РёРёР° (R)-РµРsР°РsС,С-РsРjРµСҢР° РsРµ Р·Р°Р»РµРµС,СҢ РiС-Рr РiС-РёСр, РsР°СiРiРsРsСГС,С- СрСҢР°Р¶РµРsРsСi РsРёСҢРsРё Р°Р±Рs Р»РµРiРёРsРiРs С±Рё РiРsРjС-СҢРsРsРiРs СрСҢР°Р¶РµРsРsСi РiРµСГС-РsРёРё. РГСГРsСрСҢС,СҢ РrРsРёР°Р·Рё, С%Рs Ср РiР°СГС-С"РsС,С-Рi С-Р· С,СiР¶РёРёРёРjРё СрСҢР°Р¶РµРsРsСiРjРё РiРµСГС-РsРёРё (R)-РµРsР°РsС,С-РsРjРµСҢ РiРsРiС-Р»СҢРsС-СёРµ РµР»С-РjС-РsСрС"С,СҢСГСi Р· РiР»Р°Р·РjРё РёСҢРsРiС-.

Р»Р»Р»С-РsС-С±РsС- С...Р°СҢР°РёС,РµСҢРёСГС,РёРёРё.

РµРsРёР°Р°Р°РsРsСi.

Р'С-СГС,Р°РjС-Рr 150 РjРi РiРsРёР°Р°Р°РsРёР№ РrР»Сi РjРsРsРsС,РµСҢР°РiС-С— Р°Р±Рs СiРё Р°РrРbҢ™ СҢРiР°РsС,РsР° С,РµСҢР°РiС-Сi Ср РiРsС"РrРsР°РsС- Р· СҢР°РrРёРёР°Р»СҢРsРс РiСҢРsСГС,Р°С,РµРёС,РsРjС-С"СҢ С±Рё РiСҢРsРjРµРsРµРiРsСҢ С,РµСҢР°РiС-С"СҢ РiР°СГС-С"РsС,Р°Рj С-Р· РjС-СГСРµРiРs-СҢРsР·РiРsРiСГСҢРrР¶РµРsРё СҢР°РёРsРj РiРµСҢРµРrРjС-С...СрСҢРsРiРsС— Р·Р°Р»РµРёРё РiСҢРё РiРёСГРsРёРsРjСр СҢРёР·РёРёСр РiСҢРsРiСҢРµСГСРiР°РsРsСi Р·Р°С...РiРsСҢСҢРiР°РsРsСi (РrРёРi. СҢРsР·РrС-Р» В«Р±Р°СҢРjР°РёРsР»РsРiС-С±РsС- РiР»Р°СГС,РёРiРsСГС,С-В»).

Р'С-СГС,Р°РjС-Рr 150 РjРi С,Р°РёРsР¶ РiРsРёР°Р°Р°РsРёР№ РrР»Сi Р»С-РёСрРiР°РsРsСi РiР°СГС-С"РsС,С-Рi С-Р· РjС-СГСРµРiРs-СҢРsР·РiРsРiСГСҢРrР¶РµРsРё РsРµРjРµС,Р°СГС,Р°С,РёС±РsРёРj СҢР°РёРsРj РiРµСҢРµРrРjС-С...СрСҢРsРiРsС— Р·Р°Р»РµРёРёРё, РrР»Сi СiРёРёС... С...С-СҢСрСҢРiС-С±РsР° РёР°СГС,СҢР°СГС-Сi С±Рё С-РsСёС- РjРµРrРёС±РsС- РiС,СҢСрС±РsРsСi С" РsРµРiСҢРёР№РsСiС,РsРёРjРё С±Рё РsРµ РjРsР¶СрС,СҢ Р±СрС,Рё Р·Р°СГС,РsСГРsРiР°РsС-.

РµСҢРsС,РёРiРsРёР°Р°Р°РsРsСi.

Р'С-СГС,Р°РjС-Рr РiСҢРsС,РёРiРsРёР°Р°Р°РsРёР№ РrР»Сi Р·Р°СГС,РsСГСрРiР°РsРsСi Р¶С-РsРёР°Рj С,Р° РrС-С,СiРj.

Р'С-СГС,Р°РjС-Рr РsРµ СГР»С-Рr РiСҢРёР·РsР°РsР°С,Рё РiР°СГС-С"РsС,Р°Рj, Ср СiРёРёС... СГРiРsСГС,РµСҢС-РiР°Р»РёСГСi СҢРµР°СГС-С— РiС-РiРµСҢС±СрС,Р»РёРiРsСГС,С- РrРs РrС-СҢС±РsС— СҢРµС±РsРiРёРsРё С±Рё Р±СрРrСҢ-СiРёРёС... РrРsРiРsРjС-Р¶РsРёС... СҢРµС±РsРiРёРs, С%Рs РiС...РsРrСiС,СҢ РrРs СГРёР»Р°Р°РrСр Р»С-РёР°СҢСГСҢРёРsРiРs Р·Р°СГРsР±Ср.

РµСҢРsС,РёРiРsРёР°Р°Р°РsРµ РsРrРsС±Р°СГРsРµ Р·Р°СГС,РsСГСрРiР°РsРsСi Р±С-РёР»Р»СрС,Р°РjС-РrСр Р· С,РµСҢС,РµРsР°РrРёРsРsРj, Р°СГС,РµРjС-Р·РsР»РsРj С±Рё СГРёР·РiСҢРёРrРsРj.

Р'Р·Р°С"РjРsРrС-Сi Р· С-РsСёРёРjРё Р»С-РёР°СҢСГСҢРёРёРjРё Р·Р°СГРsР±Р°РjРё С,Р° С-РsСёС- РiРёРrРё РiР·Р°С"РjРsРrС-Р№.

P"PsCfP»C-PrP¶PµPSPSC¶ C-n vitro PīPsPeP°P·P°P»Pë, C%Ps R-P±C-PeP°P»CfC,P°PjC-Pr C" C-PSPIc-P±C-C,PsC¶PsPj CYP3A4 C,P° PīC¶PsC¶PIP»C¶C" PjPµPSC€PëPñ C-PSPIc-P±C-C,PsC¶PSPëPñ PµC,,PµPeC, PSP° P°PeC,PëPIPSc-CfC,Ch CYP2PŸ9, 2PŸ19 C,P° 2D6. P¶PsC±P° PeP»C-PSC-C±PSC- PrPsCfP»C-PrP¶PµPSPSC¶, Cr C...PsPrC- C¶PePëC... P·P°CfC,PsCfPcPīP°P»Pë P°PSC,PëPīC-C¶PëPS C¶Pe PjP°C¶PePµC¶ P°PeC,PëPIPScCfC,C- C†PëC,PsC...C¶PsPjCr P 450 (CYP), PSPµ C¶PIC-PrC±P°C,Ch PīC¶Ps PīPsC,PµPSC†C-PñPSCf PIP·P°C"¶PsPrC-C¶ C-P· P±C-PeP°P»CfC,P°PjC-PrPsPj, C¶PµC¶PµPrPSC¶ PePsPSC†PµPSC,C¶P°C†C-C¶ PjC-PrP°P·PsP»P°PjCr (PīP»PsC%P° PīC-Pr C,,P°C¶PjP°PePsPeC-PSPµC,PëC±PSPsC¶ PeC¶PëPIPsC¶) P·P±C-P»ChC€PëP»P°CfC¶ PrPs 80 % PīC-CfP»C¶ PsPrPSPsC±P°CfPSPsPiPs PñPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶ PīC¶PsC,C¶PiPsPj 28 PrPSC-PI C-P· P±C-PeP°P»CfC,P°PjC-PrPsPj.

P"P»C¶ P»C-PeP°C¶CfChPePëC... P·P°CfPsP±C-PI C-P· PICfP·ChPePëPj C,PµC¶P°PīPµPIC,PëC±PSPëPj PrC-P°PīP°P·PsPSPsPj C,P°PePµ PīC-PrPIPëC%PµPSPSC¶ PjPsP¶Pµ PjP°C,Pë PIPµP»PëPePµ P·PSP°C±PµPSPSC¶. PŸPsPjCr PsPrPSPsC±P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSC¶ C-P· C,PµC¶C,,PµPSP°PrPëPSPsPj, P°CfC,PµPjC-P·PsP»PsPj C,P° C†PëP·P°PīC¶PëPrPsPj C" PīC¶PsC,PëPīPsPeP°P·P°PSPëPj. PŸP°PePsP¶ P±C-PeP°P»CfC,P°PjC-Pr CfP»C-Pr P· PsP±PµC¶PµP¶PSC-CfC,C¶ P·P°CfC,PsCfPcPīP°P°C,Pë C-P· C,P°PePëPjPë CfPīPsP»CfPeP°PjPë C¶Pe C†PëPeP»PsCfPīPsC¶PëPSPë C,P° P±P»PsPeP°C,PsC¶Pë PeP°P»ChC†C-C"PIPëC... PeP°PSP°P»C-PI. PñPsP¶Pµ PIPëPSPëPePSCfC,Pë PSPµPsP±C...C-PrPSC-CfC,Ch Cr P·PjPµPSC€PµPSPSC- PrPsP·Pë C†PëC... PīC¶PµPīP°C¶P°C,C-PI, PsCfPsP±P»PëPIPs C¶PeC%Ps C" PsP·PSP°PePë PīPsCfPëP»PµPSPSC¶ PIPīP»PëPICf P»C-PeP°C¶CfChPePsPiPs P·P°CfPsP±Cf P°P±Ps PIPëPSPëPeP°C¶C,Ch PīPsP±C-C±PSC- PµC,,PµPeC,Pë Cr C¶PµP·CfP»ChC,P°C,C- PñPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶. PµC¶Pë P·P°CfC,PsCfCfPIP°PSPSC- C†PëPeP»PsCfPīPsC¶PëPSCf C¶PµPePsPjPµPSPPrCfC¶C,Ch PīC¶PsPIPsPrPëC,Pë C¶PµC,PµP»ChPSPµ CfPīPsCfC,PµC¶PµP¶PµPSPSC¶ P·P° PñPsPiPs PePsPSC†PµPSC,C¶P°C†C-C"Ch Cr PīP»P°P·PjC- PeC¶PsPIC- C,P° P·P° PeP»C-PSC-C±PSPëPj CfC,P°PSPsPj PīP°C†C-C"PSC,P° PīC-CfP»C¶ PīPsC±P°C,PeCr P°P±Ps PīC¶PëPīPëPSPµPSPSC¶ P»C-PeCrPIP°PSPSC¶ P±C-PeP°P»CfC,P°PjC-PrPsPj.

P— PsP±PµC¶PµP¶PSC-CfC,C¶ CfP»C-Pr PīC¶PëP·PSP°C±P°C,Pë P±C-PeP°P»CfC,P°PjC-Pr PīC¶Pë P·P°CfC,PsCfCfPIP°PSPSC- P»C-PeP°C¶CfChPePëC... P·P°CfPsP±C-PI, C¶PeC- PjPsP¶CfC,Ch PīC¶PëPIPSc-C±CfPIP°C,Pë PsPePëCfP»PµPSPSC¶ PīC¶PµPīP°C¶P°C,Cf (C,P°PePëC... C¶Pe C†PëPjPµC,PëPrPëPS, PePµC,PsPePsPSP°P·PsP»). PŸPµPsC¶PµC,PëC±PSPs C†Pµ PjPsP¶Pµ PīC¶PëP·PIPµCfC,Pë PrPs PīC-PrPIPëC%PµPSPSC¶ PePsPSC†PµPSC,C¶P°C†C-C— P±C-PeP°P»CfC,P°PjC-PrCr Cr PīP»P°P·PjC- PeC¶PsPIC-, C%Ps PjPsP¶Pµ P·CfPjPsPIPëC,Pë PīPsCfPëP»PµPSPSC¶ PīPsP±C-C±PSPëC... PµC,,PµPeC,C-PI P»C-PeP°C¶CfChPePsPiPs P·P°CfPsP±Cf.

P"PsCfP»C-PrP¶PµPSPSC¶ C-n vitro PīPsPeP°P·P°P»Pë, C%Ps P±C-PeP°P»CfC,P°PjC-Pr PjPsP¶Pµ PIPëC,C-CfPSC¶,Pë PeCrPjP°C¶PëPSPsPIPëPñ P°PSC,PëPePsP°PīCfP»C¶PSC, PIP°C¶C,,P°C¶PëPS P· PrC-P»C¶PSPsPe PñPsPiPs P·PīB¶™ C¶P·CfPIP°PSPSC¶ P· P±C-P»PeP°PjPë PeC¶PsPIC-. PµPsPIC-PrPsPjP»C¶P»Pë PīC¶Ps PīPsCfPëP»PµPSPSC¶ PµC,,PµPeC,C-PI PIP°C¶C,,P°C¶PëPSCf C,P° C-PSC€PëC... PeCrPjP°C¶PëPSPsPIPëC... P°PSC,PëPePsP°PīCfP»C¶PSC,C-PI PīC¶Pë C—C... PsPrPSPsC±P°CfPSPsPjCr PīC¶PëPñPsPjC- P· P±C-PeP°P»CfC,P°PjC-PrPsPj. PŸPsPjCr Cr C¶P°P·C- PīC¶PëP·PSP°C±PµPSPSC¶ P±C-PeP°P»CfC,P°PjC-PrCr PīP°C†C-C"PSC,P°Pj, C¶PeC- PIP¶Pµ PsC,C¶PëPjCrC¶C,Ch PeCrPjP°C¶PëPSPsPIC- P°PSC,PëPePsP°PīCfP»C¶PSC,Pë, C¶PµPePsPjPµPSPPrCfC¶C,Ch PīC¶PsPIPsPrPëC,Pë C¶PµC,PµP»ChPSPëPñ PjPsPSC-C,PsC¶PëPSPI PīC¶PsC,C¶PsPjP±C-PSPsPIPsPiPs C±P°CfCf C- PīPsC,C¶C-P±PSPs C¶PsP·PiP»C¶PSCfC,Pë

PiPeC,P°PSPSCi PiCtjPs PePsCtjPePiCrPIP°PSPSCi PrPsP·Pe P°PSC,PePePsP°PiCrP»CiPSC,C-PI.

Pj P·PiBtj™ CiP·PeCr P· C,PePj, C%Ps P°PSC,PeP°PSPrtjPsPiPμPSPSP° C,PμCtjP°PiC-Ci
PjPsP¶Pμ PiCtjPeP·PIPsPrPeC,Pe PrPs PiPsPrPsPIP¶PμPSPSCi C-PSC,PμCtjPIP°P»Cr QT,
CtP»C-Pr P· PsP±PμCtjPμP¶PSC-CtC,Ct PiCtjPeP·PSP°CtP°C,Pe P±C-PeP°P»CrC,P°PjC-Pr
PsPrPSPSc±P°CtPSPs P· P»C-PeP°CtjCtCHPePePjPe P·P°CtPsP±P°PjPe, CiPeC- P·PrP°C,PSC-
PiPsPrPsPIP¶PeC,Pe C-PSC,PμCtjPIP°P» QT P°P±Ps CtPiCtjPeCtPePSPeC,Pe CtjPsP·PIPeC,PsPe
C€P»CtPSPSc±PePsPIPsC— C,P°C...C-PeP°CtjPrC-C— C,PePiCr PiC-CtjCrPμC, (torsade de
pointes), C,P°PePePjPe CiPe P°PSC,PeP°CtjPeC,PjC-CtPSC- PiCtjPμPiP°CtjP°C,Pe PeP»P°CtCr IA
(C...C-PSC-PrPePS, PrPeP·PsPiC-CtjP°PjC-Pr) P°P±Ps PeP»P°CtCr III (P°PjC-PsPrP°CtjPsPs,
CtPsC,P°P»PsP», PrPsC,,PμC,PeP»C-Pr, C-P±CtC,PeP»C-Pr), PjPμC,P°PrPsPS,
PjPsPeCtPeC,,P»PsPeCtP°CtPePS, PSPμPNcTjPsP»PμPiC,PePePe. (PrPePI. CtjPsP·PrC-P»
B«PhCtPsP±P»PePIPsCtC,C- P·P°CtC,PsCtCrPIP°PSPSCiB»).

P°C-C,Pe.

P°PsCtP»C-PrP¶PμPSPSCi PIP·P°C°PjPsPrC-C— PiCtjPsPIPsPrPeP»Pe C,C-P»CHPePe P·
CrCtP°CtC,Ct PrPsCtjPsCtP»PeC... PiP°CtC-C°PSC,C-PI.

PhCtPsP±P»PePIPsCtC,C- P·P°CtC,PsCtCzPIP°PSPSCi.

P>C-PeCrPIP°PSPSCi CtP»C-Pr PiPsCtPePSP°C,Pe PiC-Pr P±PμP·PiPsCtPμCtjPμPrPSC-Pj
PSP°PiP»CiPrPsPj P»C-PeP°CtCi.

P'C-PeP°P»CrC,P°PjC-Pr P°PeC,PePIPSs PjPμC,P°P±PsP»C-P·CrC°C,CHCtCi Cr
PiPμCtC-PSCtC-. P°PμCiPeC- PrP°PSC- PrP°CtC,CH PiC-PrCtC,P°PICr PIP°P¶P°C,Pe, C%Ps
Cr PiP°CtC-C°PSC,C-PI P· C,CiP¶PePePjPe CrCtjP°P¶PμPSPSCiPjPe PiPμCtC-PSPePe
PIPePIPμPrPμPSPSCi P»C-PeP°CtjCtCHPePsPiPs P·P°CtPsP±Cr
CrPiPsPIC-P»CHPSCtC°C,CHCtCi, P° CtPμ PjPsP¶Pμ PiCtjPeP·PIPμCtC,Pe PrPs
PeCrPjCrP»CiCtC-C— P±C-PeP°P»CrC,P°PjC-PrCr. PjPsPjCr P±C-PeP°P»CrC,P°PjC-Pr
CtP»C-Pr P·P°CtC,PsCtPsPICrPIP°C,Pe P· PsP±PμCtjPμP¶PSC-CtC,Ct PiP°CtC-C°PSC,P°Pj C-P·
PiPsPjC-CtjPSPePjPe P°P±Ps C,CiP¶PePePjPe CrCtjP°P¶PμPSPSCiPjPe PiPμCtC-PSPePe.

PSPμCtjPμP· PjPsP¶P»PePIC-CtC,CH P·PjC-PS C,,CrPSPeCtC-C— PiPμCtC-PSPePe CtP»C-Pr
PiPμCtjC-PsPrPeCtPSPs PiCtjPsPIPsPrPeC,Pe PePsPSC,CtjPsP»CH PiPμCtC-PSPePsPIPeC...
PiCtjPsP±. P'C-P»CHC€C-CtC,CH P·PjC-PS CtPiPsCtC,PμCtjC-PiP°CtC,CHCtCi
PiCtjPsC,CiPiPsPj PiPμCtjC€PeC... 6 PjC-CtCiCtC-PI P·P°CtC,PsCtCrPIP°PSPSCi
P±C-PeP°P»CrC,P°PjC-PrCr.

P—CtjC-PrPeP° PiCtjPe P·P°CtC,PsCtCrPIP°PSPSC- P±C-PeP°P»CrC,P°PjC-PrCr
CtPiPsCtC,PμCtjC-PiP°CtC,CH C,CiP¶PeC- P·PjC-PSPe P· P±PsPeCr PiPμCtC-PSPePe,
PiPsPIC-PrPsPjP»CiP»Pe PSP°PIC-C,CH PiCtjPs P»PμC,P°P»CHPSC- PIPePiP°PrPePe. PiPeC%Ps
CtPiPsCtC,PμCtjC-PiP°CtC,CHCtCi C,CiP¶PeC- P·PjC-PSPe, P»C-PeCrPIP°PSPSCi
P±C-PeP°P»CrC,P°PjC-PrPsPj CtP»C-Pr PiCtjPePiPePSPeC,Pe.

PμCtjPe PSP°CiPIPSsCtC,C- PsP±Btj™ C°PeC,PePIPSPeC... PsP·PSP°Pe
PiCtjPsPiCtjPμCtCrPIP°PSPSCi P·P°C...PIPsCtjCHPIP°PSPSCi C,P° PiCtjPe
PiC-PrPIPeC%PμPSPsPjCr CtjC-PIPS- PSA (PiCtjPsCtC,P°C,PeCtPSPsPiPs
CtPiPμCtPeC,,C-CtPSPsPiPs P°PSC,PePiPμPSCr) CtP»C-Pr CtjPsP·PiP»CiPSCrC,Pe
PjPsP¶P»PePIC-CtC,CH PiCtjPePiPePSPμPSPSCi C,PμCtjP°PiC-C—

$P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - PrPsPj$.

$P_{\mu}PsPeP^{\circ}P \cdot P^{\circ}PSPs, C\%Ps P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - Pr$ $PiC_{\overline{H}}P_{\overline{P}}PiPSC - C \ddagger CrC''$
 $P^{\circ}PeC, P_{\overline{P}}PiPSC - C_{\overline{H}}C, CH C \ddagger P_{\overline{P}}C, PsC \dots C_{\overline{H}}PsPjCr P 450 (CYP3A4), C, PsPjCr C_{\overline{H}}P \gg C - Pr$
 $PiC_{\overline{H}}PsC_{\overline{H}}PiP \gg C_{\overline{H}}C, P_{\overline{P}} PsP \pm P_{\mu}C_{\overline{H}}P_{\mu}P_{\overline{H}}PSC - C_{\overline{H}}C, CH Cr C_{\overline{H}}P^{\circ}P \cdot C - PsPrPSPsC \ddagger P^{\circ}C_{\overline{H}}PSPsPiPs$
 $P_{\overline{H}}PsPiPs PiC_{\overline{H}}P_{\overline{P}}PSP^{\circ}C \ddagger P_{\mu}PSPSC_{\overline{H}} P \cdot P \gg C - PeP^{\circ}C_{\overline{H}}C_{\overline{H}}PeP_{\overline{P}}PjP_{\overline{P}} P \cdot P^{\circ}C_{\overline{H}}Ps \pm P^{\circ}PjP_{\overline{P}}, C\%Ps$
 $PjP_{\mu}C, P^{\circ}P \pm PsP \gg C - P \cdot CrC_{\overline{H}}C, CHC_{\overline{H}}C_{\overline{H}} PiP_{\mu}C_{\overline{H}}P_{\mu}PiP^{\circ}P_{\overline{H}}PSPs CYP3A4$.

$Pj C_{\overline{H}}C - PrPeC - C_{\overline{H}}PSP_{\overline{P}}C \dots PiP_{\overline{P}}PiP^{\circ}PrPeP^{\circ}C \dots PiPsPIC - PrPsPjP \gg C_{\overline{H}}P \gg P_{\overline{P}} PiC_{\overline{H}}Ps C_{\overline{H}}P_{\mu}P^{\circ}PeC \ddagger C - C -$
 $C, PsC, PsC_{\overline{H}}P_{\mu}PSC_{\overline{H}}P_{\overline{P}}P \pm C - P \gg C - P \cdot P^{\circ}C \ddagger C - C - Cr PiP^{\circ}C \ddagger C - C''PSC, C - PI, C_{\overline{H}}PeC - PiC_{\overline{H}}P_{\overline{P}}P_{\overline{H}}PjP^{\circ}P \gg P_{\overline{P}}$
 $P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - Pr 150 PjPi. P_{\mu}P^{\circ}C \ddagger C - C''PSC, P^{\circ}Pj C_{\overline{H}}P \gg C - Pr C_{\overline{H}}P_{\mu}PePsPjP_{\mu}PSP_{\overline{H}}CrPiP^{\circ}C, P_{\overline{P}}$
 $CrPSP_{\overline{P}}PeP^{\circ}C, P_{\overline{P}} PiC_{\overline{H}}C_{\overline{H}}PjPsPiPs PiPiP \gg P_{\overline{P}}PiCr PSP^{\circ}PrPjC - C_{\overline{H}}PSPsPiPs C_{\overline{H}}PsPSC_{\overline{H}}C \ddagger PSPsPiPs$
 $C_{\overline{H}}PIC - C, P \gg P^{\circ} P^{\circ}P \pm Ps CrP \gg CHC, C_{\overline{H}}P^{\circ}C, C - PsP \gg P_{\mu}C, PsPiPsPiPs C_{\overline{H}}PIC - C, P \gg P^{\circ} C, P^{\circ}$
 $PePsC_{\overline{H}}P_{\overline{P}}C_{\overline{H}}C, CrPiP^{\circ}C, P_{\overline{P}}C_{\overline{H}}C_{\overline{H}} C_{\overline{H}}PsPSC \ddagger P_{\mu}P \cdot P^{\circ}C \dots P_{\overline{P}}C_{\overline{H}}PSP_{\overline{P}}PjP_{\overline{P}} P \cdot P^{\circ}C_{\overline{H}}Ps \pm P^{\circ}PjP_{\overline{P}} PiC - Pr$
 $C \ddagger P^{\circ}C_{\overline{H}} PiC_{\overline{H}}P_{\overline{P}}P_{\overline{H}}PsPjCr P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - PrCr 150 PjPi. PiPeC\%Ps C_{\overline{H}}P_{\mu}P^{\circ}PeC \ddagger C - C_{\overline{H}}$
 $C, PsC, PsC \ddagger CrC, P \gg P_{\overline{P}}PiPsC_{\overline{H}}C, C - C'' P \pm C - P \gg CHC_{\overline{H}} C_{\overline{H}}C, C - P_{\overline{H}}PePsC_{\overline{H}} C, P^{\circ}/P^{\circ}P \pm Ps C, C_{\overline{H}}P_{\overline{H}}PePsC_{\overline{H}}$
 $C_{\overline{H}}P \gg C - Pr C_{\overline{H}}PsP \cdot PiPsC \ddagger P^{\circ}C, P_{\overline{P}} PIC - PrPiPsPIC - PrPSP_{\mu} C_{\overline{H}}P_{\overline{P}}PjPiC, PsPjP^{\circ}C, P_{\overline{P}}C \ddagger PSP_{\mu}$
 $P \gg C - PeCrPiP^{\circ}PSPSC_{\overline{H}}$.

$P_{\overline{H}}P_{\mu}C_{\overline{H}}P^{\circ}PiC - C_{\overline{H}} P^{\circ}PSC, P_{\overline{P}}P^{\circ}PSP_{\overline{H}}C_{\overline{H}}PsPiP_{\mu}PSP^{\circ}PjP_{\overline{P}} PjPsP_{\overline{H}}PiC_{\overline{H}}P_{\overline{P}}PiPsPrP_{\overline{P}}C, P_{\overline{P}}$
 $PrPs PiPsPrPsPiP_{\overline{H}}P_{\mu}PSPSC_{\overline{H}} C - PSC, P_{\mu}C_{\overline{H}}PiP^{\circ}P \gg Cr QT$.

$Pj PiP^{\circ}C \ddagger C - C''PSC, C - PI P \cdot C, P^{\circ}PeC, PsC_{\overline{H}}P^{\circ}PjP_{\overline{P}} C_{\overline{H}}P_{\overline{P}}P_{\overline{P}}PeCr P^{\circ}P \pm Ps P \cdot PSP^{\circ}C_{\overline{H}}PiPSC - C_{\overline{H}}C, CH$
 $PiPsPrPsPiP_{\overline{H}}P_{\mu}PSPSC_{\overline{H}} C - PSC, P_{\mu}C_{\overline{H}}PiP^{\circ}P \gg Cr QT PI P^{\circ}PSP^{\circ}PjPSP_{\mu}P \cdot C -, P^{\circ} C, P^{\circ}PePsP_{\overline{H}} Cr$
 $PiP^{\circ}C \ddagger C - C''PSC, C - PI, C_{\overline{H}}PeC - PsPrPSPsC \ddagger P^{\circ}C_{\overline{H}}PSPs PiC_{\overline{H}}P_{\overline{P}}P_{\overline{H}}PjP^{\circ}C_{\overline{H}}C, CH$
 $P \gg C - PeP^{\circ}C_{\overline{H}}C_{\overline{H}}PeC - P \cdot P^{\circ}C_{\overline{H}}Ps \pm P_{\overline{P}}, C\%Ps PjPsP_{\overline{H}}CrC, CH PiPsPrPsPiP_{\overline{H}}CrPiP^{\circ}C, P_{\overline{P}}$
 $C - PSC, P_{\mu}C_{\overline{H}}PiP^{\circ}P \gg QT (PrP_{\overline{P}}PI. C_{\overline{H}}PsP \cdot PrC - P \gg B \langle P \cdot P^{\circ}C''PjPsPrC - C_{\overline{H}} P \cdot C - PSC_{\overline{H}}P_{\overline{P}}PjP_{\overline{P}}$
 $P \gg C - PeP^{\circ}C_{\overline{H}}C_{\overline{H}}PeP_{\overline{P}}PjP_{\overline{P}} P \cdot P^{\circ}C_{\overline{H}}Ps \pm P^{\circ}PjP_{\overline{P}} C, P^{\circ} C - PSC_{\overline{H}}C - PiP_{\overline{P}}PrP_{\overline{P}} PiP^{\circ}C''PjPsPrC - P_{\overline{H}}B \rangle),$
 $P \gg C - PeP^{\circ}C_{\overline{H}} PiPsPiP_{\overline{P}}PSP_{\mu}PS PrPs PiPsC \ddagger P^{\circ}C, PeCr P \gg C - PeCrPiP^{\circ}PSPSC_{\overline{H}}$
 $P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - PrPsPj PsC \ddagger C - PSP_{\overline{P}}C, P_{\overline{P}} C_{\overline{H}}PiC - PiPIC - PrPSPsC_{\overline{H}}P_{\mu}PSPSC_{\overline{H}}$
 $C_{\overline{H}}P_{\overline{P}}P_{\overline{P}}Pe/PePsC_{\overline{H}}P_{\overline{P}}C_{\overline{H}}C, CH, PiC_{\overline{H}}P^{\circ}C \dots PsPIC_{\overline{H}}C_{\overline{H}}C \ddagger P_{\overline{P}} PiPsC, P_{\mu}PSC \ddagger C - P_{\overline{H}}PSP_{\overline{P}}P_{\overline{H}} C_{\overline{H}}P_{\overline{P}}P_{\overline{P}}Pe$
 $PiP_{\overline{P}}PSP_{\overline{P}}PePSP_{\mu}PSPSC_{\overline{H}} C_{\overline{H}}P \gg CrPSPsC \ddagger PePsPiPsC - C, P^{\circ}C \dots C - PeP^{\circ}C_{\overline{H}}PrC - C - C, P_{\overline{P}}PiCr$
 $PiC - C_{\overline{H}}CrP_{\mu}C, (torsade de pointes).$

$P_{\overline{H}}PSC, P_{\overline{P}}P^{\circ}PSP_{\overline{H}}C_{\overline{H}}PsPiP_{\mu}PSPSP^{\circ} C, P_{\mu}C_{\overline{H}}P^{\circ}PiC - C_{\overline{H}} PjPsP_{\overline{H}}PiC_{\overline{H}}P_{\overline{P}}C \ddagger P_{\overline{P}}PSP_{\overline{P}}C, P_{\overline{P}}$
 $P \cdot PjC - PSP_{\overline{P}} Cr PjPsC_{\overline{H}}C, PsP \gg PsPiC - C - C_{\overline{H}}PiP_{\mu}C_{\overline{H}}PjP^{\circ}C, PsP \cdot PsC - PrC - PI. PiPsC \ddagger P^{\circ}$
 $PiPiP \gg P_{\overline{P}}Pi P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - PrCr PSP^{\circ} PjPsC_{\overline{H}}C, PsP \gg PsPiC - CH$
 $C_{\overline{H}}PiP_{\mu}C_{\overline{H}}PjP^{\circ}C, PsP \cdot PsC - PrC - PI PSP_{\mu} PsC \ddagger C - PSC_{\overline{H}}PiP^{\circ}P \gg P_{\overline{P}} C - PiC_{\overline{H}}Ps C, P^{\circ}PeC -$
 $P \cdot PjC - PSP_{\overline{P}} Cr PiP^{\circ}C \ddagger C - C''PSC, C - PI, C_{\overline{H}}PeC - PsC, C_{\overline{H}}P_{\overline{P}}PjCrPiP^{\circ}P \gg P_{\overline{P}}$
 $P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - Pr, PSP_{\mu} PiPsPIC - PrPsPjP \gg C_{\overline{H}}P \gg P_{\overline{P}}, PiP^{\circ}C \ddagger C - C''PSC, P^{\circ}Pj$
 $C, P^{\circ}/P^{\circ}P \pm Ps C - C \dots PiP^{\circ}C_{\overline{H}}C, PSP_{\mu}C_{\overline{H}}P^{\circ}Pj PiC - Pr C \ddagger P^{\circ}C_{\overline{H}} P \gg C - PeCrPiP^{\circ}PSPSC_{\overline{H}} C -$
 $PiC_{\overline{H}}PsC, C_{\overline{H}}PiPsPj 130 PrPSC - PI PiC - C_{\overline{H}}P \gg C_{\overline{H}} C, P_{\mu}C_{\overline{H}}P^{\circ}PiC - C -$
 $P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - PrPsPj C_{\overline{H}}P \gg C - Pr PiP_{\overline{P}}PePsC_{\overline{H}}P_{\overline{P}}C_{\overline{H}}C, PsPIC_{\overline{H}}PiP^{\circ}C, P_{\overline{P}}$
 $P_{\mu}C, P_{\mu}PeC, P_{\overline{P}}PiPSC - PjP_{\mu}C, PsPrP_{\overline{P}} PePsPSC, C_{\overline{H}}P^{\circ}C \ddagger P_{\mu}PiC \ddagger C - C -$.

$P_{\mu}PsPIC - PrPsPjP \gg C_{\overline{H}}P \gg P_{\overline{P}} PiC_{\overline{H}}Ps PiPsC_{\overline{H}}P_{\overline{P}}P_{\mu}PSPSC_{\overline{H}} P_{\mu}C, P_{\mu}PeC, C - PI$
 $PeCrPjP^{\circ}C_{\overline{H}}P_{\overline{P}}PSPsPiP_{\overline{P}}C \dots P^{\circ}PSC, P_{\overline{P}}PePsP^{\circ}PiCrP \gg C_{\overline{H}}PSC, C - PI Cr PiP^{\circ}C \ddagger C - C''PSC, C - PI,$
 $C_{\overline{H}}PeC - PsPrPSPsC \ddagger P^{\circ}C_{\overline{H}}PSPs PiC_{\overline{H}}P_{\overline{P}}P_{\overline{H}}PjP^{\circ}P \gg P_{\overline{P}} P \pm C - PeP^{\circ}P \gg CrC, P^{\circ}PjC - Pr, C\%Ps$
 $PjPsP_{\overline{H}}PiC_{\overline{H}}P_{\overline{P}}PiC_{\overline{H}}C, P_{\overline{P}} PrPs P \cdot P \pm C - P \gg CHC_{\overline{H}}P_{\mu}PSPSC_{\overline{H}}$
 $PiC_{\overline{H}}PsC, C_{\overline{H}}PsPjP \pm C - PSPsPiPsPiPs C \ddagger P^{\circ}C_{\overline{H}}Cr (P_{\mu}P_{\overline{H}}) C, P^{\circ} PjC - P_{\overline{H}}PSP^{\circ}C_{\overline{H}}PsPrPSPsPiPs$

PSPsCḡPjP°P»C-P·PsPIP°PSPsPiPs PIC-PrPSPsC€PμPSPSCḡ (PḡPḡP'). P''PμCḡP€C-
PIP€PiP°PrPeP€ P±CḡP»P€ PiPsPIBḡ™ CḡP·P°PSC- P· CḡP€P·P€PePsPj
PIP€PSP€PePSPμPSPSCḡ PeCḡPsPIPsC,PμC‡C-. P PμPePsPjPμPSPPrCḡC''C,CHCḡCḡ
CḡPμC,PμP»CHPSPs PePsPSC,CḡPsP»CḡPIP°C,P€ CḡC-PIPSC- PμP§/PḡPḡP' C-
PiPsC,CḡC-P±PSPs CḡPsP·PiP»CḡPSCḡC,P€ PiP€C,P°PSPSCḡ PiCḡPs
PePsCḡP€PiCḡPIP°PSPSCḡ PrPsP·P€ P°PSC,P€PePsP°PiCḡP»CḡPSC,C-PI.

P''PsPiPsPjC-PḡPSC- CḡPμC‡PsPIP€PSP€.

PμP°C†C-C''PSC,P°Pj P· CḡC-PrPeC-CḡPSP€PjP€ CḡPiP°PrPePsPIP€PjP€ C,,PsCḡPjP°PjP€
PSPμPiPμCḡPμPSPsCḡP€PjPsCḡC,C- PiP°P»P°PeC,PsP·P€, PICḡPsPrPḡPμPSPsCḡ
P»P°PeC,P°P·PSPsCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ P°P±Ps CḡP€PSPPrCḡPsPjPsPj
PjP°P»CHP°P±CḡPsCḡP±C†C-C— PiP»CḡPePsP·P€-PiP°P»P°PeC,PsP·P€ PSPμ CḡP»C-Pr
PiCḡP€PNḡPjP°C,P€ C†PμPNḡ P»C-PeP°CḡCḡCHPeP€PNḡ P·P°CḡC-P±.

P>C-PeP°CḡCḡCHPeP€PNḡ P·P°CḡC-P± PjC-CḡC,P€C,CH PjPμPSC€Pμ 1 PjPjPsP»CH (23
PjPi)/PrPsP·Cḡ PSP°C,CḡC-Cḡ, C,PsP±C,Ps PiCḡP°PeC,P€C‡PSPs PIC-P»CHPSP€PNḡ
PIC-Pr PSP°C,CḡC-Cḡ.

P—P°CḡC,PsCḡCḡPIP°PSPSCḡ Cḡ PiPμCḡC-PsPr PIP°PiC-C,PSPsCḡC,C- P°P±Ps
PiPsPrCḡPIP°PSPSCḡ PiCḡCḡPrPrCḡ.

P'P°PiC-C,PSC-CḡC,CH.

P'C-CḡC,P°PjC-Pr PiCḡPsC,P€PiPsPeP°P·P°PSP€PNḡ PrP»Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
PḡC-PSPeP°Pj. P—P°CḡC,PsCḡCḡPIP°PSPSCḡ P±C-PeP°P»CḡC,P°PjC-PrCḡ
PiCḡPsC,P€PiPsPeP°P·P°PSPμ PḡC-PSPeP°Pj Cḡ PiPμCḡC-PsPr PIP°PiC-C,PSPsCḡC,C-.

P''PsPrCḡPIP°PSPSCḡ PiCḡCḡPrPrCḡ.

P'C-PeP°P»CḡC,P°PjC-Pr PiCḡPsC,P€PiPsPeP°P·P°PSP€PNḡ Cḡ PiPμCḡC-PsPr PiPsPrCḡPIP°PSPSCḡ
PiCḡCḡPrPrCḡ.

PḡPμCḡC,P€P»CHPSC-CḡC,CH.

PhP±PsCḡPsC,PSPμ PiPsPiC-CḡC€PμPSPSCḡ C‡PsP»PsPIC-C‡PsC—
C,,PμCḡC,P€P»CHPSPsCḡC,C- CḡPiPsCḡC,PμCḡC-PiP°P»PsCḡCḡ Cḡ
PrPsCḡP»C-PrPḡPμPSPSCḡC... PSP° C,PIP°CḡP€PSP°C.... PJ P»CḡPrP€PSP€ CḡP»C-Pr
PiCḡP€PiCḡCḡPeP°C,P€ PiPμCḡC-PsPr CḡCḡP±C,,PμCḡC,P€P»CHPSPsCḡC,C- P°P±Ps
P±PμP·PiP»C-PrPrCḡ.

P—PrP°C,PSC-CḡC,CH PIPiP»P€PIP°C,P€ PSP° C€PIP€PrPeC-CḡC,CH CḡPμP°PeC†C-C— PiCḡP€
PePμCḡCḡPIP°PSPSC- P°PIC,PsC,CḡP°PSCḡPiPsCḡC,PsPj P°P±Ps C-PSC€P€PjP€
PjPμC...P°PSC-P·PjP°PjP€.

P'C-PeP°P»CḡC,P°PjC-Pr PSPμ PIPiP»P€PIP°C'' PSP° P·PrP°C,PSC-CḡC,CH PePμCḡCḡPIP°C,P€
P°PIC,PsPjPsP±C-P»PμPj P°P±Ps PiCḡP°C†CḡPIP°C,P€ P·C- CḡPeP»P°PrPSP€PjP€
PjPμC...P°PSC-P·PjP°PjP€. PhPrPSP°Pe CḡP»C-Pr PjP°C,P€ PSP° CḡPIP°P·C-, C‰Ps C‡P°CḡC,Ps

PjPsP¶Pµ PIPëPSPëPeP°C,Pë CÍPsPSP»PëPIC-CÍC,CH C,P° P·P°PíP°PjPsC¶PsC±PµPSPSC¶
(PrPëPI. C¶PsP·PrC-P» B«PµPsP±C-C±PSC- C¶PµP°PeC†C-C-B»). PµP°C†C-C"PSC,Pë, C¶PeC-
PíC¶PëPNëPjP°C¶C,CH C†PµPNë P»C-PeP°C¶CÍCHPePëPNë P·P°CÍC-P±, PíPsPIPëPSPSC-
PrPsC,C¶PëPjCíPIP°C,PëCÍC¶ PsP±PµC¶PµP¶PSPsCÍC,C-.

PÝPíPsCÍC-P± P·P°CÍC,PsCÍC¿PIP°PSPSC¶ C,P° PrPsP·Pë.

P"PsC¶PsCÍP»C- PíP°C†C-C"PSC,Pë C±PsP»PsPIC-C±PsC— CÍC,P°C,C-, PIPeP»C¶C±P°C¶C±Pë
PíP°C†C-C"PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCí: PíPµC¶PsC¶P°P»CHbPSPs PíPs PsPrPSC-PNë
C,P°P±P»PµC,C†C- 150 PjPi 1 C¶P°P· PSP° PrPsP±Cí.

P'C-CÍC,P°PjC-Pr 150 PjPi CÍP»C-Pr PíC¶PëPNëPjP°C,Pë C,C¶PëPIP°P»PëPNë C±P°CÍ,
PíC¶PëPSP°PNëPjPSC- PrPs 2 C¶PsPeC-PI P°P±Ps PrPs PíPsC¶PIPë PsP·PSP°Pe
PíC¶PsPiC¶PµCÍCíPIP°PSPSC¶ P·P°C...PIPsC¶CHPIP°PSPSC¶.

PhCÍPsP±P»PëPIC- PiC¶C¿PiPë.

PkPëC¶PePsPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH: PíP°C†C-C"PSC,P°Pj C-P·
PSPëC¶PePsIPsC¶ PSPµPrPsCÍC,P°C,PSC-CÍC,CH PePsC¶PµPeC†C-C¶ PrPsP·Pë PSPµ
PíPsC,C¶C-P±PSP°.

PµPµC±C-PSPePsPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH: PíP°C†C-C"PSC,P°Pj C-P· P»PµPiPePsC¶
PíPµC±C-PSPePsIPsC¶ PSPµPrPsCÍC,P°C,PSC-CÍC,CH PePsC¶PµPeC†C-C¶ PrPsP·Pë PSPµ
PíPsC,C¶C-P±PSP°. PJ PíP°C†C-C"PSC,C-PI C-P· PíPsPjC-C¶PSPsC¶ P°P±Ps C,C¶P¶PePsC¶
PíPµC±C-PSPePsIPsC¶ PSPµPrPsCÍC,P°C,PSC-CÍC,CH PjPsP¶Pµ
CÍPiPsCÍC,PµC¶C-PiP°C,PëCÍC¶ PíC-PrPIPëC%PµPSPµ PSP°PePsPíPëC±PµPSPSC¶
P»C-PeP°C¶CÍCHPePsPiPs P·P°CÍPsP±Cí (PrPëPI. C¶PsP·PrC-P» B«PhCÍPsP±P»PëIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSC¶B»).

P"C-C,Pë. P'C-PeP°P»CíC,P°PjC-Pr PíC¶PsC,PëPíPsPeP°P·P°PSPëPNë PrP»C¶
P·P°CÍC,PsCÍCíPIP°PSPSC¶ PrC-C,C¶Pj.

PµPµC¶PµPrPsP·C¿PIP°PSPSC¶.

PkPµPjP°C" PrP°PSPëC... C%PsPrPs PíPµC¶PµPrPsP·CíPIP°PSPSC¶ Cí P»C¶PrPµPNë.
PÝPíPµC†PëC,,C-C±PSPsPiPs P°PSC,PëPrPsC,Cí PSPµ C-CÍPSCíC"; P»C-PeCíPIP°PSPSC¶
CÍPëPjPíC,PsPjP°C,PëC±PSPµ. P"C-P°P»C-P· PjPsP¶Pµ P±CíC,Pë PSPµPµC,,PµPeC,PëPIPSPëPj,
PsCÍPeC-P»CHbPePë P±C-PeP°P»CíC,P°PjC-Pr P·PSP°C±PSPsC¶ PjC-C¶PsC¶
P·PíB¶™ C¶P·CíC"C,CHCÍC¶ P· P±C-P»PeP°PjPë PeC¶PsPIC- C,P° PSPµ
PIPëC¶PIP»C¶C"C,CHCÍC¶ Cí PSPµP·PjC-PSPµPSPsPjCí PIPëPiP»C¶PrC- PI CÍPµC±C-.
PµC¶Pë PíPµC¶PµPrPsP·CíPIP°PSPSC- PíPsPeP°P·P°PSP° P·P°PíP°P»CHbPSP°
PíC-PrC,C¶PëPjCíPIP°P»CHbPSP° C,PµC¶P°PíC-C¶, PIPeP»C¶C±P°C¶C±Pë
PjPsPSC-C,PsC¶PëPSPi P¶PëC,C,C"PíPs PIP°P¶P»PëPIPëC... PíPsPeP°P·PSPëPeC-PI.

PµPsP±C-C±PSC- C¶PµP°PeC†C-C-.

$P_{\mu}PsP \pm C - C \mp PSC - C_{\eta}P_{\mu}P^{\circ}PeC \uparrow C - C - P \cdot P^{\circ}P \cdot PSP^{\circ}C \uparrow P_{\mu}PSPs$ $P \cdot P^{\circ} C \uparrow P^{\circ}C \uparrow C, PsC, PsC_{\eta}$: $PrCr \uparrow P \uparrow P_{\mu} C \uparrow P^{\circ}C \uparrow C, C - (\geq 1/10)$, $C \uparrow P^{\circ}C \uparrow C, C - (\geq 1/100, < 1/10)$, $PSP_{\mu}C \uparrow P^{\circ}C \uparrow C, C - (\geq 1/1000, \leq 1/100)$, $C_{\eta}C - PrPePs (\geq 1/10000, \leq 1/1000)$, $PrCr \uparrow P \uparrow P_{\mu} C_{\eta}C - PrPePs (\leq 1/10000)$, $C \uparrow P^{\circ}C \uparrow C, PsC, P^{\circ} PSP_{\mu}PIC - PrPsPjP^{\circ} (PSP^{\circ} PsC \uparrow PSPsPIC - PrPsC \uparrow C, Cr \uparrow P \uparrow PSP \ddot{C} \dots PrP^{\circ}PSP \ddot{C} \dots PSP_{\mu}PjPsP \uparrow P \gg P \ddot{C}PIP s PIC \uparrow C, P^{\circ}PSPsPIP \ddot{C}, P \ddot{C} C \uparrow P^{\circ}C \uparrow C, PsC, Cr PIP \ddot{C}PSP \ddot{C}PePSP_{\mu}PSPSC \uparrow)$.

$P \ddot{Y}P \ddot{C} \uparrow C, P_{\mu}PjP^{\circ}$ $PsC_{\eta}PiP^{\circ}PSC - PI$	$P \ddot{S}P^{\circ}C \uparrow C, PsC, P^{\circ}$	$P_{\mu}PsP \pm C - C \mp PSP^{\circ} C_{\eta}P_{\mu}P^{\circ}PeC \uparrow C - C \uparrow$
$P - P \pm PsPeC \ddot{C} PeC_{\eta}PsPIC - C, P^{\circ} P \gg C - PjC, P^{\circ}C, P \ddot{C} \uparrow PSPsC - C \uparrow P \ddot{C} \uparrow C, P_{\mu}PjP \ddot{C}$	$P \ddot{S}P^{\circ}C \uparrow C, C -$	$P_{\eta}PSP_{\mu}PjC - C \uparrow$
$P - P \pm PsPeC \ddot{C} C - PjC \ddot{C} PSPSPsC - C \uparrow P \ddot{C} \uparrow C, P_{\mu}PjP \ddot{C}$	$P \ddot{K}P_{\mu}C \uparrow P^{\circ}C \uparrow C, C -$	$P^{\circ}C - P \ddot{C}P_{\mu}C_{\eta}C \uparrow CrC, P \gg P \ddot{C}PIC - C \uparrow C, CH_{\eta}, P^{\circ}PSPiC - PsPSP_{\mu}PIC_{\eta}PsC, P \ddot{C} \uparrow PSP \ddot{C}PN_{\eta} PSP^{\circ}P \pm C_{\eta}C \uparrow Pe, PeC_{\eta}PsP \ddot{C}P \ddot{C}PI_{\eta} \uparrow C \uparrow PSPeP^{\circ}$
$P_{\mu}PsC_{\eta}C \ddot{C}C \uparrow P_{\mu}PSPSC \uparrow PjP_{\mu}C, P^{\circ}P \pm PsP \gg C - P \cdot PjC \ddot{C} C, P^{\circ} C \dots P^{\circ}C_{\eta}C \uparrow C \ddot{C}PIP^{\circ}PSPSC \uparrow$	$P \ddot{S}P^{\circ}C \uparrow C, C -$	$P - PjP_{\mu}PSC \uparrow P_{\mu}PSPSC \uparrow P^{\circ}P \ddot{C}P_{\mu}C, P \ddot{C}, Cr$
$P_{\mu}C \uparrow P \ddot{C} \dots C - C \mp PSC - C_{\eta}PsP \cdot P \gg P^{\circ}PrP \ddot{C}$	$P \ddot{S}P^{\circ}C \uparrow C, C -$	$P - PSP \ddot{C}P \uparrow P_{\mu}PSPSC \uparrow P \gg C - P \pm C - PrPs, PrP_{\mu}P \ddot{C}P_{\mu}C \uparrow C - C \uparrow$
$P - P \pm PsPeC \ddot{C} PSP_{\mu}C_{\eta}PIPsPIPsC - C \uparrow P \ddot{C} \uparrow C, P_{\mu}PjP \ddot{C}$	$P \ddot{S}P^{\circ}C \uparrow C, C -$	$P - P^{\circ}P \ddot{C}P \ddot{C}PjPsC_{\eta}PsC \uparrow P_{\mu}PSPSC \uparrow, C \uparrow PsPSP \gg P \ddot{C}PIC - C \uparrow C, CH_{\eta}$
$P - P \pm PsPeC \ddot{C} C \uparrow P_{\mu}C_{\eta}C \uparrow C \uparrow$	$P \ddot{S}P^{\circ}C \uparrow C, C -$	$P_{\mu}PsPrPsPIP \uparrow P_{\mu}PSPSC \uparrow C - PSC, P_{\mu}C_{\eta}PIP^{\circ}P \gg Cr$ $QT (PrP \ddot{C}PI. C_{\eta}PsP \cdot PrC - P \gg P \ddot{C}$ $B \ll PhC \uparrow PsP \pm P \gg P \ddot{C}PIPsC \uparrow C, C - P \cdot P^{\circ}C \uparrow C, PsC \uparrow CrPIP^{\circ}PSPSC \uparrow B \gg C, P^{\circ}$ $B \ll P'P \cdot P^{\circ}C''PjPsPrC - C \uparrow P \cdot C - PSC \uparrow P \ddot{C}PjP \ddot{C}$ $P \gg C - PeP^{\circ}C_{\eta}C \uparrow CH_{\eta}PeP \ddot{C}PjP \ddot{C} P \cdot P^{\circ}C \uparrow PsP \pm P^{\circ}PjP \ddot{C}$ $C, P^{\circ} C - PSC \uparrow C - PIP \ddot{C}PrP \ddot{C}$ $PIP \cdot P^{\circ}C''PjPsPrC - PN_{\eta}B \gg)$
$P \ddot{Y}C \ddot{C}PrP \ddot{C}PSPSC - P \ddot{C}PsC_{\eta}C \ddot{C}C \uparrow P_{\mu}PSPSC \uparrow$	$P^{\circ}CrP \uparrow P_{\mu} C \uparrow P^{\circ}C \uparrow C, C -$	$P_{\mu}C_{\eta}P \ddot{C}P \ddot{C}P \gg P \ddot{C}PIP \ddot{C}$
$P - P \pm PsPeC \ddot{C}$ $C \uparrow P_{\mu}C_{\eta}P_{\mu}PrPsC \uparrow C, C - PSPSC \uparrow,$ $PiC_{\eta}C \ddot{C}PrPSPsC - PeP \gg C - C, PeP \ddot{C}$ $C, P^{\circ} PrP \ddot{C} \dots P^{\circ}P \gg CH_{\eta}PSPsC - C \uparrow P \ddot{C} \uparrow C, P_{\mu}PjP \ddot{C}$	$P \ddot{K}P_{\mu}C \uparrow P^{\circ}C \uparrow C, C -$	$P \uparrow PSC, P_{\mu}C_{\eta}C \uparrow C, P \ddot{C} \uparrow C - P^{\circ}P \gg CH_{\eta}PSP^{\circ}$ $P \gg P_{\mu}PiP_{\mu}PSP_{\mu}PIP^{\circ} C \dots PIPsC_{\eta}PsP \pm P^{\circ 5}.$ $P, P \ddot{C}PsPIC - PrPsPjP \gg P_{\mu}PSPSC \uparrow PiC_{\eta}Ps$ $P \gg P_{\mu}C, P^{\circ}P \gg CH_{\eta}PSC - PIP \ddot{C}P \ddot{C}PrPeP \ddot{C}.$
$P - P \pm PsPeC \ddot{C} C, C_{\eta}P^{\circ}PIPSPsC - C \uparrow P \ddot{C} \uparrow C, P_{\mu}PjP \ddot{C}$	$P \ddot{S}P^{\circ}C \uparrow C, C -$	$P^{\circ}C - P \gg CH_{\eta} Cr P \uparrow P \ddot{C}PIPsC, C -, P \cdot P^{\circ}P \ddot{C}PsC_{\eta}, PrP \ddot{C}C \uparrow P \ddot{C}P \ddot{C}C \uparrow C - C \uparrow, PjP_{\mu}C, P_{\mu}PsC_{\eta}P \ddot{C}P \cdot Pj, PSC \uparrow PrPsC, P^{\circ}$
$P^{\circ}P_{\mu}P \ddot{C}P^{\circ}C, PsP \pm C - P \gg C - P^{\circ}C_{\eta}PSC - C_{\eta}PsP \cdot P \gg P^{\circ}PrP \ddot{C}$	$P \ddot{S}P^{\circ}C \uparrow C, C -$	$P^{\circ}P_{\mu}P \ddot{C}P^{\circ}C, PsC, PsPeC \uparrow P \ddot{C} \uparrow PSC - C \uparrow C, CH_{\eta}, P \uparrow PsPIC, C \uparrow PSP \ddot{C} \uparrow C \uparrow,$ $P \ddot{C} - PrPIP \ddot{C} \% P_{\mu}PSPSC \uparrow$ $P^{\circ}PeC, P \ddot{C}PIPSPsC \uparrow C, C - C, C_{\eta}P^{\circ}PSC \uparrow P^{\circ}PjC - PSP^{\circ}P.^1$
	$P C - PrPePs$	$P_{\mu}P_{\mu}C \uparrow C - PSPePsPIP^{\circ}$ $PSP_{\mu}PrPsC \uparrow C, P^{\circ}C, PSC - C \uparrow C, CH_{\eta}^4. P, P \ddot{C}PsPIC - PrPsPjP \gg P_{\mu}PSPSC \uparrow PiC_{\eta}Ps$ $P \gg P_{\mu}C, P^{\circ}P \gg CH_{\eta}PSC - PIP \ddot{C}P \ddot{C}PrPeP \ddot{C}.$

P— P±PsPeCž C€PeC-CĤPë C,P° PĩC-PrC€PeC-CĤPSPSc— PeP»C-C,P€PsPIPëPSPë	P"CrP¶Pµ C‡P°CĤC,C-	P'PëCĤPëPĩ
	PšP°CĤC,C-	PĥP»PsPĩPµC‡C-CĤ, PĩC-CĤCĤCřC,PëP·Pj/PIC-PrPSPsPIP»PµPSPSCĤ CĤPsCĤC,Cř PIPsP»PsCĤCĤCĤ, CĤCřC...C-CĤC,CĤ C€PeC-CĤPë³, CĤPIPµCĤP±C-P¶
	PķPµC‡P°CĤC,C-	P↯PsC,PSCĤPµPSCĤPëP±C-P»C-P·P°C‡C-CĤ
P— P±PsPeCž PSPëCĤPsPe C,P° CĤPµC‡PsPIPëPrC-P»CHPSPSc— CĤPëCĤC,PµPjPë	PšP°CĤC,C-	P" PµPjP°C,CřCĤC-CĤ
P— P±PsPeCž CĤPµPĩCĤPsPrCžPeC,PëPIPSPSc— CĤPëCĤC,PµPjPë C,P° PjPsP»PsC‡PSPëC... P·P°P»PsP·	P"CrP¶Pµ C‡P°CĤC,C-	P"C-PSPµPePsPjP°CĤC,C-CĤ C,P° P±PsP»CHC‡C-CĤC,CĤ PjPsP»PsC‡PSPëC... P·P°P»PsP·²
	PšP°CĤC,C-	P·CĤPµPeC,PëP»CHPSP° PrPëCĤC,,CřPSPeC‡C-CĤ
P—P°PĩP°P»CHPSC- PĩPsCĤCžC€PµPSPSCĤ C,P° CĤC,P°PS PjC-CĤC‡CĤ PIPIPµPrPµPSPSCĤ	P"CrP¶Pµ C‡P°CĤC,C-	PĥCĤC,PµPSC-CĤ
	PšP°CĤC,C-	P'C-P»CH Cř PĩCĤCřPrCĤC..., PSP°P±CĤCĤPe
PĥP±CĤC,PµP¶PµPSPSCĤ	PšP°CĤC,C-	P—P±C-P»CHC€PµPSPSCĤ PjP°CĤPë C,C-P»P°

¹ P—PjC-PSPë P· P±PsPeCř PĩPµC‡C-PSPePë CĤC-PrPePs C" C,CĤP¶PePëPjPë C,P°
C‡P°CĤC,Ps PjPëPSP°CHC,CĤ P°P±Ps CĤP»P°P±C€P°CHC,CĤ PĩCĤPë
PĩCĤPsPrPsPIP¶PµPSPSC- P»C-PeCřPIP°PSPSCĤ C‡Pë PĩC-CĤP»CĤ PÑPsPiPs
PĩCĤPëPĩPëPSPµPSPSCĤ.

² P'C-P»CHC€C-CĤC,CĤ PĩP°C‡C-C"PSC,C-PI, CĤPeC- PsC,CĤPëPjCřCHC,CĤ
P±C-PeP°P»CřC,P°PjC-Pr 150 PjPi CĤPe PjPsPSPsC,PµCĤP°PĩC-CH,
PIC-PrP·PSP°C‡P°CHC,CĤ PĩC-PSPµPePsPjP°CĤC,C-CH C,P°/P°P±Ps
P±PsP»CHC‡C-CĤC,CĤ PjPsP»PsC‡PSPëC... P·P°P»PsP·. Pj C...PsPrC-
PrPsCĤP»C-PrP¶PµPSPSCĤ 5 % PĩP°C‡C-C"PSC,C-PI PeP»P°CĤPëC,,C-PeCřPIP°P»Pë C‡C-
CĤPëPjPĩC,PsPjPë CĤPe C,CĤP¶PeC-. P"C-PSPµPePsPjP°CĤC,C-CĤ PjPsP¶Pµ PSPµ
P·PSPëPePSCřC,Pë CĤP°PjPsCĤC,C-PÑPSPs PĩC-CĤP»CĤ PIC-PrPjC-PSPë
C,PµCĤP°PĩC-C—, PsCĤPsP±P»PëIPs PĩC-CĤP»CĤ C,CĤPëPIP°P»PsPiPs
P»C-PeCřPIP°PSPSCĤ.

³ P—PĩC-PrPSPs PĩCĤP°PIPëP» PePsPrCřPIP°PSPSCĤ, C%oPs
PIPëPePsCĤPëCĤC,PsPICřCHC,CHCĤCĤ PI PrPsCĤP»C-PrP¶PµPSPSCĤC... EPC, PĩPsP±C-C‡PSP°
CĤPµP°PeC‡C-CĤ B«CĤCřC...C-CĤC,CĤ C€PeC-CĤPëB» P±CřP»P° P·P°PePsPrPsPIP°PSP° PĩC-Pr
COSTART C,PµCĤPjC-PSPsPj B«PIPëCĤPëPĩB». PŷPsPjCř PsPeCĤPµPjP° C‡P°CĤC,PsC,P° C—C—
PIPëPSPëPePSPµPSPSCĤ PSPµ PjPsP¶Pµ P±CřC,Pë PIPëP·PSP°C‡PµPSP° PrP»CĤ
P±C-PeP°P»CřC,P°PjC-PrCř 150 PjPi, PsPrPSP°Pe PĩPµCĤPµPrP±P°C‡P°C,CĤCĤCĤ
C,P°PeP° P¶ C‡P°CĤC,PsC,P°, CĤPe PrP»CĤ 50 PjPi P»C-PeP°CĤCĤCHPePsPiPs
P·P°CĤPsP±Cř.

⁴ P'PeP»CHC‡PµPSP° Cř PĩPµCĤPµP»C-Pe PĩPsP±C-C‡PSPëC... CĤPµP°PeC‡C-PÑ PĩC-CĤP»CĤ
PsC,CĤPëPjP°PSPSCĤ PĩPsCĤC,PjP°CĤPePµC,PëPSPiPsPIPëC... PrP°PSPëC....
PšP°CĤC,PsC,P° P±CřP»P° PIPëP·PSP°C‡PµPSP° P·P° C‡P°CĤC,PsC,PsCH
PĩPsPIC-PrPsPjP»PµPSCĤ PĩCĤPs PIPëPĩP°PrPePë CřCĤP°P¶PµPSPSCĤ PĩPµC‡C-PSPePë Cř
PĩP°C‡C-C"PSC,C-PI, C%oPs PsC,CĤPëPjCřPIP°P»Pë P±C-PeP°P»CřC,P°PjC-Pr 150 PjPi Cř
PĩCĤCřPĩC- PIC-PrPeCĤPëC,PsPiPs P»C-PeCřPIP°PSPSCĤ Cř PrPsCĤP»C-PrP¶PµPSPSCĤC...

Early Prostate Cancer programme (P•P PŸ).

⁵ P'PeP»CĤC‡PµPSP° Cr PīPµCĤPµP»C-Pe PīPsP±C-C‡PSPëC... CĤPµP°PeC†C-PNē PīC-CĬP»CĬ PsC,CĤPëPjP°PSPSCĬ PīPsCĬC,PjP°CĤPePµC,PëPSPiPsPIPëC... PrP°PSPëC....
PŞP°CĬC,PsC,P° P±CŕP»P° PIPëP·PSP°C‡PµPSP° P·P° C‡P°CĬC,PsC,PsCĤ
PīPsPIC-PrPsPjP»PµPSCĤ PīCĤPs PIPëPīP°PrPePë C-PSC,PµCĤCĬC,PëC†C-P°P»CĤPSPsC—
PīPSPµPIPjPsPSC-C— Cr PīPµCĤC-PsPr CĤP°PSPPrPsPjC-P·PsPIP°PSPsPiPs P»C-PeCŕPIP°PSPSCĬ
P±C-PeP°P»CŕC,P°PjC-PrPsPj 150 PjPi Cr PrPsCĬP»C-PrP¶PµPSPSCĬC... EPC.

P—P±C-P»CĤC€PµPSPSCĬ PµPŞ/PĤPĕP': Cr P·PIC-C,P°C... PīCĤPsC,CĬPiPsPj
PīC-CĬP»CĬCĤPµC"ĬC,CĤP°C†C-PNēPSPsPiPs CĬPīPsCĬC,PµCĤPµP¶PµPSPSCĬ
PīPsPIC-PrPsPjP»CĬP»Pë PīCĤPs PIP·P°C"PjPsPrC-CĤ PeCŕPjP°CĤPëPSPsPIPëC...
P°PSC,PëPePsP°PiCŕP»CĬPSC,C-PI C-P· P±C-PeP°P»CŕC,P°PjC-PrPsPj.

PµPsPIC-PrPsPjP»PµPSPSCĬ PīCĤPs PīC-PrPsP·CĤCĤPIP°PSC- PīPsP±C-C‡PSC-
CĤPµP°PeC†C-C—.

PµPsPIC-PrPsPjP»PµPSPSCĬ PīCĤPs PīC-PrPsP·CĤCĤPIP°PSC- PīPsP±C-C‡PSC-
CĤPµP°PeC†C-C— PīC-CĬP»CĬ CĤPµC"ĬC,CĤP°C†C-C— P»C-PeP°CĤCĬCĤPePsPiPs
P·P°CĬPsP±CŕC" PIP°P¶P»PëPIPsCĤ PīCĤPsC†PµPrCŕCĤPsCĤ. PjPµ PrPsP·PIPsP»CĬC"
PīCĤPsPrPsPIP¶CŕPIP°C,Pë PjPsPSC-C,PsCĤPëPSPi CĬPīC-PIPIC-PrPSPsC€PµPSPSCĬ
B«PePsCĤPëCĬC,CĤ/CĤPëP·PëPeB» PrP»CĬ PIC-PrPīPsPIC-PrPSPsPiPs
P»C-PeP°CĤCĬCĤPePsPiPs P·P°CĬPsP±Cŕ. PĤPµPrPëC‡PSPëPj PīCĤP°C†C-PIPSPëPeP°Pj
PSPµPsP±C...C-PrPSPs PīPsPIC-PrPsPjP»CĬC,Pë PīCĤPs P±CŕPrCĤ-CĬPeC-
PīC-PrPsP·CĤCĤPIP°PSC- PīPsP±C-C‡PSC- CĤPµP°PeC†C-C— C‡PµCĤPµP·
PSP°C†C-PsPSP°P»CĤPSCŕ CĬPëCĬC,PµPjCŕ PīPsPIC-PrPsPjP»PµPSCĤ.

PŸPµCĤPjC-PS PīCĤPëPrP°C,PSPsCĬC,C-. 5 CĤPsPeC-PI.

PjPjPsPIPë P·P±PµCĤC-PiP°PSPSCĬ.

PĕPµ PīPsC,CĤPµP±CŕC" PsCĬPsP±P»PëPIPëC... CŕPjPsPI P·P±PµCĤC-PiP°PSPSCĬ.
P—P±PµCĤC-PiP°C,Pë Cr PSPµPrPsCĬC,CŕPīPSPsPjCŕ PrP»CĬ PrC-C,PµPNē PjC-CĬC†C-.

PjPīP°PePsPIPeP°. PµPs 10 C,P°P±P»PµC,PsPe Cr P±P»C-CĬC,PµCĤC-; PīPs 3
P±P»C-CĬC,PµCĤPë PI PeP°CĤC,PsPSPSC-PNē PePsCĤPsP±C†C-.

PĤP°C,PµPiPsCĤC-CĬ PIC-PrPīCŕCĬPeCŕ. P—P° CĤPµC†PµPīC,PsPj.

P'PëCĤPsP±PSPëPe.

PŸC-PSC,PsPS PĬC-CĬPīP°PSC-CĬ, PŸ. P>.

**РњС-СГС†РμР·PSP°C...PsPrP¶PμPSPSC¶ PIPëCЃPsP±PSPëPeP° C,P° P°PrCЃPμCГP°
PjC-СГС†C¶ PïCЃPsPIP°PrP¶PμPSPSC¶ P№PsPiPs PrC-С¶P»CHъPSPsCГC,C-.**

Р'СгP». Рљ/РљP°CГC,PμP»P»Ps, n°1, PЃP°PSC, P'PsC- PrPμ P>P»PsP±CЃPμPiP°C,,
P'P°CЃCГPμP»PsPSP°, 08830, P†CГPïP°PSC-С¶.