

!" #&/
4;O <548G=>3> 70AB>AC20==O ;V:0@AL:>3> 70A>1C

"®
(ZOLOPANT®)

!::04:
4VNG0 @5G>28=0: pant>prazole;
1 B01;5B:0 ?@07>;C =0B@VN A5A:2V3V4@0B 5:2V20;5=B=> ?0=B>?@07>;C 40 <3;
4>?>28=8: =0B@VN :0@1>=0B 1572>4=89, <0=VB (421), :@>A?>2V4>=, 3V4@>:A8?@>?V;F5;N;>70,
:0;LFDVN AB50@0B, >94@03VB L30D55, B@85B8;F8B@0B, =0B@VN ;0C@8;AC;LD0B, B8B0=C
4V>:A84 (171), 70;V70 >:A84 6>2B89 (172), B0;L:, Opadry 03F58750 1V;89*.
* Opadry 03F58750 1V;89: 3V?@><5;>70, B8B0=C 4V>:A84 (171), ?>;V5B8;5=3;V:>;L, B0;L:.

V:0@AL:0 D>@<0. "01;5B:8, 2:@8BV >1>;>=:>N, :8H:>2>@>7G8==V.
A=>2=V DV78:>-EVABV: >20;L=V 42>>?C:;V B01;5B:8, 2:@8BV >1>;>=:>N 6>2B>3> :>;L>@C.

\$0@<0:>B5@0?52B8G=0 3@C?0. @5?0@0B8 4;O ;V:C20==O :8A;>B>70;56=8E 70E2>@N20=L.
=3V1VB>@8 ?@>B>==>W ?>4 "X 02!02.

\$0@<0:>;>3VG=V 2;0AB82>ABV.
\$0@<0:>48=0
0=B>?@07>; 70;, O:89 V=3V1CT A5:@5FVN A>;O=>W :8A;>B8 C H;C=:C H;OE× A?5F8DVG=>W
1;>:048 ?@>B>==8E =0A>AV2 ?0@VTB0;L=8E ;;VB8=
0=B>?@07>; B@0=AD>@>B=>28IV C ?0@VTB0;L=8E ;;VB8=0E, 45 V=3V1CT D5@<5=B H+-K+-\$07C,
B>1B> 1;>:CT :V=F5289 5B0? ?@>4C:C20==O A>;O=>W :8A;>B8 C H;C=:C =3V1C20==O T 4>7>70;56=8
< B0 ?@83=VGCT O: 1070;L=C, B0: V AB820=C A5:@5FVN A>;O=>W :8A;>B8. "5@0?52B8G=89 5D5:B
?0=B>?@07>;C 4>AO30TBLAO C 1V;LH>ABV ?0FVT=BV2 ?@>BO3× 2 B86=V2 ;V:C20==O.
0AB>AC20==O ?0=B>?@07>;C, O: V C 28?04:C 7 V=H8<8 V=3V1VB>@0<8 ?@>B>==>3> =0A>A0 B0
V=3V1VB>@0<8 H2-@5F5?B>@V2, 7=86CT :8A;>B=VABL C H;C=:C V B0:8< G8=>< 71V;LHCT
A5:@5FVN 30AB@8=C ?@>?>@FV9=> 4> 7<5=H5==O :8A;>B=>ABV. 1V;LH5==O A5:@5FVW
30AB@8=C T >1>@>B=8?@07>; 72O7CT D5@<5=B 48AB0;L=> ?> 2V4=>H5==N 4> ;;VB8==>3>
@5F5?B>@0, 2V= <>65 V=3V1C20B8 A5:@5FVN A>;O=>W :8A;>B8 =570;56=> 2V4 AB825==>AC20==V
?@5?0@0BC T >4=0:>28
@8 70AB>AC20==V ?0=B>?@07>;C 71V;LHCNBLAO @V25=L 30AB@8=C =0BI5A5@F5. @8
:>@>B:>B@820;>AC20==V ?0=B>?@>7>;C @V2=V 30AB@8=C C 1V;LH>ABV 28?04:V2 =5
?5@528ICNBL 25@E=L>W <56V =>@<8. @8 4>23>B@820;>ABV 28?04:V2 7@>AB0NBL 242VGV. 04
4=0:, 28=8:0T ;8H5 C ?>>48=>:8E 28?04:0E. /: =0A;V4>;, C =525;8:V9 :V;L:>ABV 28?04:V2 ?@8
4>23>B@820;>AB5@V30TBLAO A;01:5 01? ?>ABV 5=B5@>E@<0DV=>?>4V1=8E (ECL) ;;VB8= C
H;C=:C (?>4V1=> 4> 045=><0B>W4=>W 3V?5@?;07VW). "8<=5 <5=H5, 73V4=> 7 ?@>2545=8<8 =0
40=89 <><5=B 4>A;V465==O<8, CB2>@5==O ;;VB8=-?>?5@54=8:V2 =59@>5=4>:@8==8E ?CE;8=
(0B8?>20 3V?5@?;07VO) 01> =59@>5=4>:@8==8E ?CE;8= H;C=:0, O:V 1C;> 28O2;5=> 2 5:A?5@8
<5=B0E =04 B20@8=0<8, C ;N459 =5 A?>AB5@V30;>AO.
8E>4OG8 7 @57C;LB0BV2 4>A;V465=L =0 B20@8=0E, =5 <>6=0 28;;NG0B8 2?;82 4>23>B@820;>3>
(1V;LH5 1 @>:C) ;V:C20==O ?0=B>?@07>;× =0 5=4>:@8==V ?0@0<5B@8 I8B>284=>W 70;>78.
\$0@<0:>:V=5B8:0.
A<>:BC20==O. 0=B>?@07>; 2A<>:BCTBLAO H284;>, 0 <0:A8<0;L=V :>=F5=B@0FVW C ?;072V
4>AO30NBLAO 265 ?VA;O >4=>:@0B=>3> ?5@>@0;L=>3> ?@89>78 40 <3. # A5@54=L>48=8 ?VA;O
?@89>AO30TBLAO <0:A8<0;L=0 :>=F5=B@0FVO C A8@>20BFV :@>2V =0 @V2=V 1;87L:> 23
@07>2>3> ?@89>4=>@07>2>3> G8 ?>2B>@=>3> ?@89>=V 4>7 2V4 10 4> 80 <3 D0@<0:>:V=5B8:0
?0=B>?@07>;C C ?;07N O: ?@8 ?5@>@0;L=>25==>2;5=>, I> 01A>;NB=0 1V>4>ABC?=VABL B01;5B>:
AB0=>28BL 1;87L:> 77%. 4=>G0A=89 ?@89× W6V =5 2?;820T =0 AUC (?;>I0 ?V4 :@82>N
<<:>=F5=B@0FVO-G0A») 01> <0:A8<0;L=C :>=F5=B@0FVN C A8@>20BFV :@>2V, 0, 2V4?>2V4=>, V =0
1V>4>ABC?=VABL. @8 >4=>G0A=>3> ?5@V>4C.

>7?>4V;. 2O7C20==O ?0=B>?@07>;C 7 1V;:0<8 A8@>20B:8 :@>2V AB0=>28BL 1;87L:> 98%. 1T<
@>7?>4V;C 1;87L:> 0,15 ;/:3.
V>B@0=AD>@<0FVO. 0=B>?@07>; <5B01>;V7CTBLAO <0965 28=OB:>2> C ?5GV=FV. A=>2=8<
<5B01>;VG=8< H;OE>< T 45<5B8;C20==O 70 4>?><3>N CYP2C19 7 ?>40;LH>N AC;LD0B=>N
:=N30FVTN; V=H89 <5B01>;VG=89 H;OE >:8A;5==O 70 4>?><3>N CYP3A4.
82545==O. V=F5289 ?5@V>4 =0?V2282545==O AB0=>28BL 1;87L:> 1 3>48=8, 0 ;:V@5=A 0,1 ;/3>4/:3.
C;> 2V47=0G5=> 45;V;L:0 28?04:V2 70B@8?@07>;C C ?0FVT=BV2. =0A;V4>: A?5F8DVG=>3>
72O7C20==O ?0=B>?@07>;C 7 ?@>B>==8<8 =0A>A0<8 ?0@VTB0;L=8E ;:VB8= ?5@V>4
=0?V2282545==O =5 :>@5;NT 7 =01030B> 4>2H>N B@820;VABN 4VW (V=3V1C20==O A5:@5FVW
:8A;>B8).
A=>2=0 G0AB8=0 <5B01>;VVB2 ?0=B>?@07>;C 282>4OBLAO V7 A5G5N (1;87L:> 80%), @5HB0
282>48BLAO 7 :0;>2=8< <5B01>;VB>< O: C A8@>20BFV, B0: V 2 A5GV T 45A<5B8;?0=B>?@07>;,
:=N3>20=89 V7 AC;LD0B>4 =0?V2282545==O >A=>2=>3> <5B01>;VBC (1;87L:> 1,5 3>48=8)
=5=01030B> ?5@528ICT ?5@V>4 =0?V2282545==O ?0=B>?@07>;C.
A>I;82V 3@C?8 ?0FVT=BV2.
>2V;L=V <5B01>;V70B>@8. ;87L:> 3% T2@>?59FV2 =5 <0NBL 0:B82=>3> D5@<5=BC CYP2C19; WE
=07820NBL ?>2V;L=8<8 <5B01>;V70B>@0<8. >@30=V7<0E B0:8E >AV1 <5B01>;V7< ?0=B>?@07>;C, V
<>2V@=>, 3>;>2=8< G8=>< :0B0;V7CTBLAO D5@<5=B>< CYP3A4. VA;O ?@89>4=VTW 4>78 40 <3
?0=B>?@07>;C A5@54=O ?;>I0, >1<565=0 D0@<0>:V=5B8G=>N :@82>N «:>=F5=B@0FVO C ?;07 2 6
@07V2 1V;LH>N C ?>2V;L=8E <5B01>;V70B>@V2, =V6 C >AV1, O:V<0NBL 0:B82=89 D5@<5=B
CYP2C19 (H284:V <5B01>;V70B>@8). !5@54=O ?V:>20 :=F5=B@0FVO C ?;072V 7@>A;0 ?@81;87=> =0
60%. &V @57C;LB0B8 =5 2?;820NBL =0 4>7C20==O ?0=B>?@07>;C.
>@CH5==O DC=:FVW =8@>.: 5:><5=40FV9 I>4> 7=865==O 4>78 ?@8 ?@87=0G5==V ?0=B>?@07>;C
?0FVT=B0< 7 ?>3V@H5=>N DC=:FVTN =8@>: (C B>ABV ?0=B>?@07>;C. >?@8 B5, I> 2 >A=>2=>3>
<5B01>;VBC ?> B@820;89 ?5@V>4 =0?V2282545==O (23 3>48=8), 282545==O 2A5 >4=> T H284:8<, B>
>@CH5==O DC=:FVW ?5GV=:8. %>G0 C ?0FVT=BV2 V7 F8@>7< ?5GV=:8 (:;0A8 B0 70 '09;4< N)
?5@V>4 =0?V2282545==O 7@>AB0T 4> 79 3>48=, 0 AUC 71V;LHCTBLAO C 57 @07V2,<0:A8<0;L=0
:=F5=B@0FVO C A8@>20BFV :@>2V 71V;LHCTBLAO ;8H5 =57=0G=8< G8=><, C 1,5 @078
?>@V2=O=> 7 B0:>N C 74>@>28E 4>1@>2>;LFV2.
0FVT=B8 ;VB=L>3> 2V:C. 525;8:5 71V;LH5==O AUC B0 C_{max} C 4>1@>2>;LFV2 ?>E8;>3> 2V:C C
?>@V2=O==V 7 1V;LH<>;>4H8<8 2>;>=B5@0<8 B0:>6 =5 <0T ;:V=VG=>3> 7=0G5==O.
VB8. VA;O >4=>:@0B=>3> ?@89>78 20 01> 40 <3 ?0=B>?@07>;C ?5@>@0;L=> AUC B0 C_{max} 4VBO<
2V:>< 2V4 5 4> 16 @>:V2 7=0E>48;8AO 2 <560E 2V4?>2V4=8E 7=0G5=L C 4>@>A;8E. VA;O
>4=>:@0B=>3> 2=CB@VH=L>25==>3> 22545==O ?0=B>?@07>;C C 4>70E 0,8 01> 1,6 <3/:3 4VBO< 2V4
2 4> 16 @>:V2 =5 1C;> 2V4 7=0G8<>3> 72O7:C < ?0=B>?@07>;C B0 2V:>< 01> <0A>N BV;0. AUC B0 >1T
< @>7?>4V;C 2V4?>2V40;8 40=8<, >45@60=8< ?@8 4>A;V465==OE =0 4>@>A;8E.

;V=VG=V E0@0:B5@8AB8:8.

>:070==O.

>@>A;V B0 4VB8 2V:>< 2V4 12 @>:V2.

- 5D;N:A-57>D03VB.

□>@>A;V.

- @048:0FVO *Helicobacter pylori* (*H. pylori*)C ?0FVT=BV2 7 *H. pylori*-0A>FV9>20=8<8 28@07:0<8 H;C=:0
B0 420=04FOB8?0;>W :8H:8 C :><1V=0FVW 7 2V4?>2V4=8<8 0=B81V>B8:0<8;

- 28@07:0 420=04FOB8?0;>W :8H:8;

- 28@07:0 H;C=:0;

- !8=4@><>;V=35@0-;;VA=>0 B0 V=HV 3V?5@A5:@5B>@=V ?0B>;>3VG=V AB0=8.

@>B8?>:070==O.

V428I5=0 GCB;82VABL 4> 4VNG>W @5G>28=8, ?>EV4=8E 15=7V;C B0 1C4L-O:>3> :=5=BC
?@5?0@0BC.

70T<>4VO 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9.

VO ?0=B>?@07>;C =0 01A>@1FVN V=H8E ;V:0@AL:8E ?@5?0@0BV2. 0=B>?@07>; <>65 7<5=HC20B8
2A<>:BC20==O ?@5?0@0BV2, 1V>4>ABC?=VABL O:8E 70;568BL 2V4 @H;C=:>2>3> A>C (=0?@8::04,
45O:8E ?@>B83@81:>28E ?@5?0@0BV2, B0:8E O :5B>:>=07>;, VB@0:>=07>;, ?>70:>=07>; 01> V=H8E
?@5?0@0BV2, B0:8E O: 5@;>B8=V1).

@5?0@0B8 ?@>B8 (0B070=02V@). !CAC20==O V=3V1VB>@V2 ?@>B>==>W ?< B0 V=H8<8
?@5?0@0B0<8, I> 70AB>A>2CNBLAO ?@8 ;V:C20==V , 04A>@1FVO O:8E 70;568BL 2V4 @, <>65
?@872>48B8 4> ACBBT2>3> 7=865==O 1V>4>ABC?=>ABV >AB0==VE B0 2?;820B8 =0 WE
5D5:B82=VABL. ">AC20==O V=3V1VB>@V2 ?@>B>==>W ?< =5 @5:>5=4CTBLAO.

C<0@8=>2V 0=B8:>03C;O=B8 (D5=?@>:C<>= V 20@D0@8=). 572060NG8 =0 2V4ACB=VABL 270T
<>4VW ?@8 >4=>G0A=>4=89 =>@<0;V70FV9=89 V=45:A) C ?>AB<0@:5B8=3>2>4V. "0:8< G8=><,
?0FVT=B0<, O:V 70AB>A>2CNBL :C<0@8=>2V 0=B8:>03C;O=B8 (=0?@8::04, D5=?@>:C<>= V
20@D0@8=), @5:>5=4CTBLAO 74V9A=N20B8 <=>VB>@8=3 ?@>B@><1V=>2>3> G0AC/?VA;O
?>G0B:C, ?@8?8=5==O 01> ?@8 =5@53C;O@=>?@07>;C.

5B>B@5:A0B. >2V4><;O;>AO, I> >4=>G0A=5 70AB>AC20==O 28A>:8E 4>7 <5B>B@5:A0BC
(=0?@8::04, 300 <3) B0 V=3V1VB>@V2 ?@>B>==>W ?>B@5:A0BC 2 :@>2V C 45O:8E ?0FVT=BV2.
0FVT=B0<, O:V 70AB>A>2CNBL 28A>:V 4>78 <5B>B@5:A0BC, =0?@8::04, E2>@8< =0 @0: 01>
?A>@V07, @5:>5=4CTBLAO B82> ?@8?8=8B8 ;V:C20==O ?0=B>?@07>;>

=HV 270T<>4VW. 0=B>?@07>; 7=0G=>N N <5B01>;V7CTBLAO C ?5GV=FV G5@57 A8AB52=89 H;OE
<5B01>;V7:8A=5==O D5@<5=B>< CYP34. >A;V465==O 7 ;V:0@AL:8<8 70A>10<8, O:V B0:>6
<5B01>;V7CNBLAO 70 4>?<>3>N F8E H;OEV2, B0:8<8 O :0@10<075?V=, 4V075?0<, 3;V15=::0
=>@35AB@5; V 5B8=V;5AB@04V>;, =5 28O28;8 ;V=VG=> 7=0GCI8E 270T<>4V9.

57C;LB0B8 FV;>3> @04C 4>A;V465=L I>4> <>6;828E 270T<>4V9 2:07CNBL, I> ?0=B>?@07>; =5
2?;820T =0 <5B01>;V7< 0:B82=8E @5G>28=, I> <5B01>;V7CNBLAO 70 4>?<>3>N CYP1A2 (=0?@8::04,
:>D5W=, B5>DV;V=), CYP2I9 (=0?@8::04, ?V@>:A8:0<, 48::>D5=0:, =0?@>:A5=), CYP2D6 (=0?@8::04,
<5B>?@>;), CYP21 (=0?@8::04, 5B0=>), =5 2?;820T =0 @-3;V:>?@>B5W=, O:89 70157?5GCT 2A
<>:BC20==O 483>:A8=C.

5 28O2;5=> 270T<>4VW 7 >4=>G0A=> ?@87=0G5=8<8 0=B0F840<8.

C;8 ?@>2545=V 4>A;V465==O I>4> 282G5==O 270T<>4VW ?0=B>?@07>;C 7 >4=>G0A=> ?@87=0G5=8
<8 45O:8<8 0=B81V>B8:0<8 (:;0@8B@>

A>1;82>ABV 70AB>AC20==O.

>@CH5==O DC=:FVW ?5GV=:8. 0FVT=B0< 7 B06:8<8 ?>@CH5==O<8 DC=:FV9 ?5GV=:8 =5>1EV4=>
@53C;O@=:>=B@>;N20B8 @V25=L ?5GV=:>28E D5@<5=B>V2, >A>1;82> ?V4 G0A 4>23>B@820;>3>
;V:C20==O. # @07V ?V428I5==O @V2=O ?5GV=:>28E D5@<5=B>V2 ;V:C20==O ?@5?0@0B<
=5>1EV4=> ?@8?8=8B8.

><1V=>20=0 B5@0?VO. V4 G0A :>1V=>20=>W B5@0?VW =5>1EV4=> 4>B@84> 70AB>AC20==O
2V4?>2V4=8E ;V:0@AL:8E 70A>1V2.

0O2=V B@82>6=V A8<8. 0 =0O2=>ABV B@82>6=8E A8W 2B@0B8 <0A8 BV;0, ?5@V>48G=>3>
1;N20==O, 48AD03VW, 1;N20==O V7 :@>2N, 0=5

/:I> A8<8 715@V30NBLAO ?@8 045:20B=>1EV4=> ?@>25AB8 4>40B:>25 >1AB565==O.

!CAC20==O 7 0B070=02V@><. !CAC20==O 0B070=02V@C 7 V=3V1VB>@0<8 ?@>B>==>W ?>
<5=4CTBLAO (482. @>74V; «□70T<>4VO 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T
<>4V9»). /:I> :>1V=0FVO 7 0B070=02V@>< T =5>1EV4=>N, A;V4 ?@>2>48B8 @5B5;L=89 ;V=VG=89
<=>VB>@8=3 (=0?@8::04, 283> =020=B065==O) C ?>T4=0==V 7V 71V;LH5==O< 4>78 0B070=02V@C 4>
400 <3 V7 70AB>AC20==O< 100 <3 @8B>=02V@C. >7C ?0=B>?@07>;C 20 <3 =0 4>1C =5 A;V4
?5@528IC20B8 (70 =5>1EV4=>ABV ?@87=0G5==O 4>78 20 <3 70AB>A>2C20B8 ?@5?0@0B8
?0=B>?@07>;C C 2V4?>2V4=>7C20==V).

IA>@1FVO 2VB0₁₂. # ?0FVT=BV2 V7 A8=4@>>>>;V=35@0-;;VA>=0 B0 V=H8<8 3V?5@A5:@5B>@=8
<8 ?0B>;>3VG=8<8 AB0=0<8, I> ?>B@51CNBL B@820;>3> ;V:C20==O, ?0=B>?@07>;, O: V 2AV
?@5?0@0B8, I> 1;>:CNBL ?@>4C:FVN A>;O=>W :8A;>B8, <>65 7<5=HC20B8 2A<>:BC20==O 2VB0₁₂
(FV0=>:>10;0₁₂ ?@8 4>23>B@820;> =0O2=>ABV 2V4?>2V4=8E ;V=VG=8E A8
>23>B@820;5 ;V:C20==O. @8 4>23>B@820;>A>1;82> 1V;LH5 1 @>:C, ?0FVT=B8 ?>28==V
7=0E>48B8AL ?V4 @53C;O@=8<=03;04>< ;V:0@O.

=D5:FVW H;C=:>2>-.8H:>2>3> B@0:BC, A?@8G8=5=V 10:B5@VO<8. 0=B>?@07>;, O: V V=HV
V=3V1VB>@8 ?@>B>=>W ?>65 71V;LHC20B8 :V;L:VABL 10:B5@V9, O:V 70728G09 ?@8ACB=V C
25@E=VE 2V44V;0E H;C=:>2>-.8H:>2>3> B@0:BC. V:C20==O ?@5?0@0B<>65 =57=0G=>N N
?V428I8B8 @878: 28=8:=5==O H;C=:>2>-.8H:>28E V=D5:FV9, A?@8G8=5=8E B0:8<8 10:B5@VO<8 O:
Salmonella V Campylobacter 01> C. Difficile

V?><03=VT. !?>AB5@V30;8AL 28?04:8 BO6:>W 3V?<03=VTA>2C20;8 V=3V1VB>@8 ?@>B>=>W ?>
?@>7>;, I=>09<5=H5 ?@>BO3<< B@L>E ABV 28?04:V2 ?@>BO3<< @>:C. !5@9>7=V ?@>O28 3V?>
<03=VT<0, B5B0=VO, 45;V@V9, AC4<8, 70?0<>@>G5==O B0 H;C=>G:>20 0@8B V WE <>6=0
?@>?CAB8B8. # 1V;LH>ABV 28?04:V2 AB0= ?0FVT=BV2 ?>:@0ICTBLAO ?VA;O 70W B5@0?VW
<03=VT< B0 ?@8?8=5==O ;V:C20==O V=3V1VB>@0<8 ?@>B>=>W ?> ?@89<0NBL V=3V1VB>@8
?@>B>=>W ?> 7 483>:A8=><01> ?@5?0@0B0<8, I> <>6CBL A?@8G8=8B8 3V?<03=VT ?@>BO3<<
B5@0?VW.

5@5;><8 :VAB>.: =3V1VB>@8 ?@>B>=>W ?>A>1;82> ?@8 70AB>AC20==V C 25;8:8E 4>70E B0
?@>BO3<< B@820;>3> ;V:C20==O (1V;LH5 1 @>:C), <>6CBL 45O:>N N ?V428IC20B8 @878: ?5@5;>
>2=8< G8=><, C ?0FVT=BV2 ;VB=L>3> 2V:C 01> 70 =0O2=>ABV V=H8E VA=CNG8E D0:B>@V2
@878:C. !?>AB5@56=V 4>A;V465==O A2V4G0BL, I> V=3V1VB>@8 ?@>B>=>W ?>6CBL ?V428IC20B8
7030;L=89 @878: ?5@5;>2V4=> 4> 4VNG8E ;V=VG=8E @5:><5=40FV9 B0 045:20B=C :V;L:VABL 2VB0

0AB>AC20==O C ?5@V>4 203VB=>ABV 01> 3>4C20==O 3@C44N.

03VB=VABL. >A2V4 70AB>AC20==O ?0=B>?@07>;C 203VB=8< 6V=:0< T >1<565=84V 4>A;V465=L
@5?@>4C:B82=>W DC=:FVW =0 B20@8=0E A?>AB5@V30;0AO @5?@>4C:B82=0 B>:A8G=VABL.
>B5=FV9=89 @878: 4;O ;N48=8 T =52V4<8A>2C20B8 ?@8 203VB=>ABV, >:@V< 28?04:V2 =030;L=>W
=5>1EV4=>ABV.

>4C20==O 3@C44N. 40=V I>4> 5:A:@5FVW ?0=B>?@07>;C 7 3@C4=8< <>;>;N48=8. VH5==O ?@>
?@8?8=5==O 3>4C20==O 3@C44N 01> ?@8?8=5==O/CB@8<0==O 2V4 ;V:C20==O ?@5?0@0B<> >;>?5=B
® ?>28==> ?@89<0B8AO 7 C@0EC20==O< :>@8ABV 2V4 3>4C20==O 3@C44N 4;O 48B8=8 V :>@8ABV
2V4 ;V:C20==O ?@5?0@0B<> >;>?5=B® 4;O 6V=:8.

40B=VABL 2?;820B8 =0 H284:VABL @50:FVW ?@8 :5@C20==V 02B>B@0=A?>@B< 01> V=H8<8
<5E0=V7<0<8.

5>1EV4=> 1@0B8 4> C2038 <>6;8289 @>728B>: ?>1VG=8E @50:FV9, B0:8E O: 70?0<>@>G5==O B0
@>7;048 7>@C. # B0:8E 28?04:0E =5 A;V4 :5@C20B8 02B>B@0=A?>@B< 01> ?@0FN20B8 7 V=H8<8
<5E0=V7<0<8.

!>AV1 70AB>AC20==O B0 4>78.

>;>?5=B®, B01;5B:8, 2:@8BV >1>;>=>N, :8H:>2>@>7G8==V, A;V4 ?@89<0B8 70 1 3>48=C 4> W48 FV;8
<8, =5 @>76>2C20B8 B0 =5 ?>4@V1=N20B8, 70?820B8 2>4>N.

5:><5=4>20=5 4>7C20==O.

>@>A;V B0 4VB8 2V:>< 2V4 12 @>:V2.

V:C20==O @5D;N:A-57>D03VBC.

5:><5=4>20=0 4>70 AB0=>28BL 1 B01;5B:C >;>?5=B® 40 <3 =0 4>1C. >:@5<8E 28?04:0E 4>7C <>6=0
?>42>WB8 (2 B01;5B:8 ?@5?0@0BC >;>?5=B® 40 <3 =0 4>1C), >A>1;82> 70 2V4ACB=>ABV 5D5:BC 2V4
70AB>AC20==O V=H8E ?@5?0@0BV2 4;O ;V:C20==O @5D;N:A-57>D03VBC.

;O ;V:C20==O @5D;N:A-57>D03VBC, O: ?@028;>, ?>B@V1=> 4 B86=V. !:I> FL>3> =54>AB0B=L>, 28;V:>2C20==O <>6=0 >GV:C20B8 ?@>BO3<< =0ABC?=8E 4 B86=V2.

>@>A;V.

@048:0FVO H. @ylori C :><1V=0FVW 7 42><0 0=B81V>B8:0<8.

4>@>A;8E ?0FVT=BV2 7 28@07:>N H;C=:0 B0 420=04FOB8?0;>W :8H:8 B0 7 ?>78B82=8<
@57C;LB0B<<=0 H. pylori =5>1EV4=> 4>AO3B8 5@048:0FVW >@30=V7?><>3>N :><1V=>20=>W
B5@0?VW. !;V4 72060B8 =0 ;>:0;L=V 40=V I>4> 10:B5@V0;L=>W @578AB5=B=>ABV B0 =0FV>=0;L=V
@5:><5=40FVW I>4> 28:>@8AB0==O V ?@87=0G5==O 2V4?>2V4=8E 0=B810:B5@V0;L=8E 70A>1V2.
0;56=> 2V4 GCB;82>ABV >@30=V7*Helicobacter pylori*C 4>@>A;8E <>6CBL 1CB8 ?@87=0G5=V B0:V
B5@0?52B8G=V :><1V=0FVW:

0) 1 B01;5B:0 ?@5?0@0BC >;>?5=B® 40 <3 2 @078 =0 45=L

+ 1000 <3 0<>:A8F8;V=C 2 @078 =0 45=L

+ 500 <3 ;:0@8B@>

1) 1 B01;5B:0 ?@5?0@0BC >;>?5=B® 40 <3 2 @078 =0 45=L

+ 400500 <3 <5B@>=V407>;C (01> 500 <3 B8=V407>;C) 2 @078 =0 45=L

+ 500 <3 ;:0@8B@>

2) 1 B01;5B:0 ?@5?0@0BC >;>?5=B® 40 <3 2 @078 =0 45=L

+ 1000 <3 0<>:A8F8;V=C 2 @078 =0 45=L

+ 400500 <3 <5B@>=V407>;C (01> 500 <3 B8=V407>;C) 2 @078 =0 45=L.

@8 70AB>AC20==V :<1V=>20=>W B5@0?VW 4;O 5@048:0FVW H. pylori 4@C3C B01;5B:C ?@5?0@0BC >;>?5=B® 40 <3 A;V4 ?@89<0B8 225G5@V 70 1 3>48=C 4> W48. "5@28BL 7 4=V2 V <>65 1CB8 ?@>4>265=89 I5 =0 7 4=V2 V7 7030;L=>N B@820;VABN ;V:C20==O =5 1V;LH5 42>E B86=V2. /:I> 4;O 70157?5G5==O 703>T==O 28@07:8 ?>:070=5 ?>40;LH5 ;V:C20==O ?0=B?@07>;<, A;V4 @>73;O=CB8 @5:><5=40FVW I>4> 4>7C20==O ?@8 28@07:0E H;C=:0 B0 420=04FOB8?0;>W :8H:8. /:I> :<1V=>20=0 B5@0?VO =5 ?>:070=0, =0?@8:;04, C ?0FVT=BV2 7 =530B82=8< @57C;LB0B>< =0 H. @ylori, 4;O <>=>B5@0?VW ?@5?0@0B >;>?5=B® 40 <3 70AB>A>2CNBL C =86G5707=0G5=> 7C20==V.

V:C20==O 28@07:8 H;C=:0.

1 B01;5B:0 ?@5?0@0BC □>;>?5=B® 40 <3 =0 4>1C. >:@5<8E 28?04:0E 4>7C <>6=0 ?>42>WB8

(2 B01;5B:8 ?@5?0@0BC >;>?5=B® 40 <3 =0 4>1C), >A>1;82> 70 2V4ACB=>ABV 5D5:BC 2V4

70AB>AC20==O V=H8E ?@5?0@0BV2.

;O ;V:C20==O 28@07:8 H;C=:0, O: ?@028;>, ?>B@V1=> 4 B86=V. /:I> FL>3> =54>AB0B=L>, 703>T==O

28@07:8 <>6=0 >GV:C20B8 ?@>BO3<< =0ABC?=8E 4 B86=V2.

V:C20==O 28@07:8 420=04FOB8?0;>W :8H:8.

1 B01;5B:0 ?@5?0@0BC □>;>?5=B® 40 <3 =0 4>1C. >:@5<8E 28?04:0E 4>7C <>6=0 ?>42>WB8

(2 B01;5B:8 ?@5?0@0BC >;>?5=B® 40 <3 =0 4>1C), >A>1;82> 70 2V4ACB=>ABV 5D5:BC 2V4

70AB>AC20==O V=H8E ?@5?0@0BV2.

;O ;V:C20==O 28@07:8 420=04FOB8?0;>W :8H:8, O: ?@028;>, ?>B@V1=> 2 B86=V. /:I> FL>3>

=54>AB0B=L>, 703>T==O 28@07:8 <>6=0 >GV:C20B8 ?@>BO3<< =0ABC?=8E 2 B86=V2.

V:C20==O A8=4@>;V=35@0-;VA>=0 B0 V=H8E 3V?5@A5:@5B>@=8E ?0B>;>3VG=8E AB0=V2.

;O B@820;>3> ;V:C20==O A8=4@>;V=35@0-;VA>=0 B0 V=H8E ?0B>;>3VG=8E 3V?5@A5:@5B>@=8E

AB0=V2 ?>G0B:>20 4>1>20 4>70 AB0=>28BL 80 <3 (2 B01;5B:8 ?@5?0@0BC >;>?5=B® ?> 40 <3). 0

=5>1EV4=>ABV ?VA;O FL>3> 4>7C <>6=0 B8B@C20B8, 71V;LHCNG8 01> 7<5=HCNG8, 70;56=> 2V4

?>:07=8:V2 :8A;>B=>ABV H;C=:>2>3> A>.C. >7C, I> ?5@528ICT 80 <3 =0 4>1C, =5>1EV4=>

@>7?>4V;8B8 =0 420 ?@89<8. >6;825 B825 71V;LH5==O 4>78 ?>=04 160 <3 ?0=B?@07>;C, 0;5

B@820;VABL 70AB>AC20==O ?>28==O >k56C20B8AO BV;L:8 ?5@V>4<, ?>B@V1=8< 4;O

045:20B=>3> :>=B@>;N :8A;>B=>ABV.

"@820;VABL ;V:C20==O A8=4@>;V=35@0-;VA>=0 B0 V=H8E ?0B>;>3VG=8E AB0=V2 =5 >k565=0 V

70;568BL 2V4 ;V=VG=>W =5>1EV4=>ABV.

0FVT=B8 7 ?>@CH5==O< DC=:FVW ?5GV=:8. 0FVT=B0< V7 BO6:8<8 ?>@CH5==O<8 DC=:FV9

?5GV=:8 =5 A;V4 ?5@528IC20B8 4>1>2C 4>7C 20 <3 (1 B01;5B:0 ?@5?0@0BC >;>?5=B® 20 <3). 0FVT=B0

< V7 ?>@CH5==O<8 DC=:FVW ?5GV=:8 A5@54=L>3> B0 BO6:>3> ABC?5=O =5 A;V4 70AB>A>2C20B8

?@5?0@0B >;>?5=B® 4;O 5@048:0FVW H. @ylori C :<1V=>20=V9 B5@0?VW, >A:V;L:8 =0 40=89 G0A

=5<0T 40=8E ?@> 5D5:B82=VABL V 157?5:C B0:>3> 70AB>AC20==O 4;O FVTW :0B53>@VW

?0FVT=BV2.

0FVT=B8 7 ?>@CH5==O< DC=:FVW =8@>:; ;O ?0FVT=BV2 V7 ?>@CH5=>N DC=:FVTN =8@>:

:>@83C20==O 4>78 =5 ?>B@V1=5. 0FVT=B0< V7 ?>@CH5=>N DC=:FVTN =8@>: =5 A;V4

70AB>A>2C20B8 ?@5?0@0B >;>?5=B® 4;O 5@048:0FVW H. @ylori C :<1V=>20=V9 B5@0?VW,

>A:V;L:8 =0 40=89 G0A =5<0T 40=8E ?@> 5D5:B82=VABL V 157?5:C B0:>3> 70AB>AC20==O 4;O FVTW

:0B53>@VW ?0FVT=BV2.

0FVT=B8 ;VB=L>3> 2V:C=5 ?>B@51CNBL :>@83C20==O 4>78.

VB8.

>;>?5=B® 40 <3 ?>:070=89 4VBO< 2V:< 2V4 12 @>:V2 4;O ;V:C20==O @5D;N:A-57>D03VBC. @5?0@0B

=5 @5:><5=4CTBLAO 70AB>A>2C20B8 4VBO< 2V:< 4> 12 @>:V2, >A:V;L:8 40=V I>4> 157?5:8 V

5D5:B82=>ABV ?0=B?@07>;C 4;O FVTW 2V:>2>W :0B53>@VW T >k565=8<8.

5@54>7C20==O.

!8<8 ?5@54>7C20==O =52V4>

>78 4> 240 <3 ?@8 2=CB@VH=L>25==>BO3<< 2 E28;8= 4>1@5 ?5@5=>A8;8AO. A:V;L:8 ?0=B>?@07>;
5:AB5=A82=> 72O7CTBLAO 7 1V;:0<8, 2V= =5 =0;568BL 4> ?@5?0@0BV2, I> <>6CBL 1CB8 ;53:>
282545=8<8 70 4>?><>3>N 4V0;V7C.

@07V ?5@54>7C20==O 7 ?>O2>N ;:V=VG=8E >7=0: V=B>:A8:0FVW 70AB>A>2CNBL A8<0B8G=C B0
?V4B@8<5=40FV9 I>4> A?5F8DVG=>W B5@0?VW =5<0T.

>1VG=V @50:FVW.

I>:C :@>2V B0 ;VW A8AB5<8: 03@0=C;>F8B>7, ;59:>?5=VO, B@><1>F8B>?5=VO, ?0=F8B>?5=VO.

I>:C VW A8AB5<8: @50:FVW 3V?5@GCB;82>ABV (2;:NG0NG8 0=0DV;0:B8G=V @50:FVW,
0=0DV;0:B8G=89 H>:).

5B0I>;V7< B0 @>7;048 >128=: 3V?5@;V?V45;5AB8@>); 7<03=VT:0;LFVT1, 3V?>:0;VT
A8EVG=V @>7;048: @>7;048 A=C, 45?@5AVO (2 B>AB@5==O), 457>@VT=B0FVO (2 B>AB@5==O),
30;NF8=0FVO, A?;CB0=VABL A2V4<>ABV (>A>1;82> C ?0FVT=BV2 7V AE8;L=VABN 4> 40=8E
@>7;04V2, 0 B0:>6 703>AB@5==O F8E A8

I>:C =5@2>2>W A8AB5<8: 3>;>2=89 1V;L, 70?0<>@>G5==O, @>7;048 A<0:C, ?0@5AB57VO.

I>:C >@30=V2 7>@C: ?>@CH5==O 7>@C/70BC<0=5==O 7>@C.

I>:C B@02=>3> B@0:BC: 4V0@5O, =C4>B0, 1;N20==O, 74CBBO 682>B0, 70?>@, ACEVABL C @>BV,
014>@B.

I>:C 35?0B>1V;V0@=>W A8AB5<8: ?V428I5==O @V2=O ?5GV=:>28E D5@<5=BV2 (B@0=A0F8BV2,
6>2BO=8FO, 35?0B>F5;N;O@=0 =54>AB0B=VABL.

I>:C H:V@8 B0 ?V4H:V@=8E B:0=8=: H:V@=V 28A8?0==O, 5:70=B5<0, A25@1V6, :@>?82O=:0,
0=3V>=52@>B8G=89 =01@O:, A8=4@<< !BV25=A0-6>=A>=0, A8=4@<< 09T;0, @<=0 5@8B5<0,
D>B>GCB;82VABL.

I>:C :VAB:>2>-<O7>2>W A8AB5<8 B0 A?>;CG=>W B:0=8=8: 0@B@0;3VO, 2, ?5@5;<<8 AB53=0,
70?OABO, E@51B0.

I>:C =8@>: B0 A5G>284V;L=>W A8AB5<8: V=B5@AB8FV0;L=89 =5D@8B (7 <>6;828< @>728B:<<
=8@:>2>W =54>AB0B=>ABV).

I>:C @5?@>4C:B82=>W A8AB5<8 B0 <>;>G=8E 70;>7: 3V=5:<<0ABVO.

030;L=V @>7;048: 0AB5=VO, 2B<0, =574C60==O, ?V428I5==O B5

1. V?>:0;LFVT4=>G0A=> 7 3V?><03=VT

2. !?07< <'O7V2 O: =0A;V4>: ?>@CH5==O 10;0=AC 5;5:B@>;VBV2.

"5@ABV.3 @>:8.

#<>28 715@V30==O.

15@V30B8 2>@83V=0;L=V9 C?0:>2FV ?@8 B5!.

15@V30B8 C =54>ABC?=>

#?0:>2:0.

> 14 B01;5B>: C 1;VAB5@V; ?> 1 1;VAB5@C C :0@B>==V9 C?0:>2FV.

> 10 B01;5B>: C 1;VAB5@V; ?> 3 1;VAB5@8 C :0@B>==V9 C?0:>2FV.

0B53>@VO 2V4?CA:C.

0 @5F5?B>

8@>1=8:.

"<<#!#>>.

VAF57=0E>465==O 28@>1=8:0 B0 04@5A0 20465==O 9>3> 4VO;L=>ABV.

#: @0W=0, 40020,