

!" #&/
4;O <548G=>3> 70AB>AC20=O ;V:0@AL:>3> 70A>1C
V@0=B5;
(PYRANTEL)

!::04:
4VNG0 @5G>28=0: @syranTel @amoate;
1 B01;5B:0C ?0<>0BC 5:2V20;5=B=> ?V@0=B5;C 250 <3;
4>?>28=8: ?>2V4>=, :@>E<0;L :C:C@C470=89, =0B@VN :@>A:0@<5>70, F5;N;>70 :@8AB0;VG=0, <03=VN AB50@0B, :@5<=VN 4V>;A84 :>;>W4=89 1572>4=89.

V:0@AL:0 D>@<0. "01;5B:8.
A=>2=V DV178:>-EVABV: B01;5B:8 :0?AC:>?>4V1=>W D>@<8 6>2B>3> :>;L>@C 7 @>7?>4V;LG>N @8A>N 7 >4=>3> 1>;C.

S0@<0>B5@0?52B8G=0 3@C?0. @>B8?0@078B0@=V 70A>18, V=A5:B8F848 B0 @5?5;5=B8 @>B835;L18. >4 ""% 02! 101.

S0@<0>;>3VG=V 2;0AB82>ABV.
S0@<0>:>48=0
V@0=B5; T 0=B835;LB8 Enterobius vermicularis, Ascaris lumbricoVdes, AnAylostoma duodenale B0 Necator americanus. V@0=B5; ?@872>48BL 4>=59@><< O7>2>W 1;>;048, ?0@0;V7CNG8 35;L: G>3> 2>=8 282>4OBLAO
H;OE><< :8H:>2>W ?5@8AB0;LB8:8 @07>< V7 :0;>28<8 <0A0<8. V@0=B5; T 0:B82=8< ?@>B8 GCB;828E AB0B52>7@V;8E B0 AB0B52>=57@V;8E D>@< 35;L
S0@<0>;:V=5B8:0.
8H>20 @57@1FV0 ?V@0=B5;CT 4C65 =87L;>N. VA;O ?@89>B03>< 1-3 3>48=. > 93 % ?@5?0@0BC 282>48BLAO C =5728<8 <0A0<8. 5=H5 7 % 2802;OTBLAO C A5GV 2 =57

;V=VG=V E0@0:B5@8AB8:8.
>:070==O.
=B5@>1V>7, 0A:0@84>7, 0=;V>AB><>7.

@>B8?>:070==O.
V?5@GCB;82VABL 4> 1C4L-O:8E :>=5=BV2 ?@5?0@0BC.

70T<>4VO 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9.
5 70AB>A>2C20B8 7 ?V?5@078=><, O:89 T 0=B03>=VAB>< ?@>B835;LW 4VW ?V@0=B5;C.

A>1;82>ABV 70AB>AC20==O.
@07V ?5GV=>2>W =54>AB0B=>ABV @5:><5=4CTBLAO 7<5=H8B8 4>7C.
=B5@>1V>7: 4;O 70?>1V30==O ?>2B>@=>3> 70@065==O =5>1EV4> 26820B8 AC2>@8E 3V3VT=VG=8E 70E>4V2: ?@>2>48B8 1>45==89 BC0;5B ?5@V0=0;L=>W 4V;O=;8, G8AB8B8 =V3BV :V;L:0 @07V2 =0 45=L.
VBO<=5>1EV4>=> :@>B>:>1@V70B8 =V3BV. 53C;O@=> 71V30B8 @>7GVAC20==N. 5><5=4CTBLAO >4=>G0A>=>;V:C20B8 2AVE G;5=V2 @>48=8, >A:V;L:8 70@065==O G0AB> ?@>BV:0T 157A8=>.

0AB>AC20==O C ?5@V>4 203VB=>ABV 01> 3>4C20==O 3@C44N.
'5@57 2V4ACB=VABL B5@0B>35==>3> 5D5:BC ?V@0=B5;C C B20@8=, 2@>465=V 2048 @>728B:C C ;N459 =5>GV:CNBLAO 0 40=89 G0A :;V=VG=>=5 ?V4B25@465=> 2@>465=8E 204 @>728B:C 01>
D5B>B>;A8G=8E 5D5:BV2 ?V@0=B5;C. @>B5 <=VB>@8=3 70AB>AC20==O ?V@0=B5;C 2 ?5@V>4 203VB=>ABV =54>AB0B=V9 4;O 28;;NG5==O 2AVE <6;828E @878;V2. "0:8< G8=><, 40=89 ?@5?0@0B <>65 1CB8
70AB>A>20=89 C ?5@V>4 203VB=>ABV ;8H5 2 @07V :@09=L>W =5>1EV4=>ABV, ?VA;O @5B5;L>W >FV=:8 A?V22V4=>H5==O :>@8ABL 4;O 6V=:8@/878: 4;O ?>40, O:5 287=0G0T ;V:0@.
7207:C 7 2V4ACB=VABN >?C1;V:>20=8E 4>A;V465=L ?@>=51060=C 4VN ?V@0=B5;C =0 4VB59, O:V 7=0E>4OBLAO =0 3@C4=>4>2C20=V, 0 B0:>6 72060NG8 =0 4C65 =87L:C 01A>@1FVN ?V@0=B5;C,
70AB>AC20==O ?@5?0@0BC <6;825, ?@8=5>1EV4=>ABV, ?VA;O :>=AC;LB0FVW 7 ;V:0@5

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.
>1VG=V @50:FVW 7 1>;C =5@>2>2>W A8AB5<8, 1> <>6CBL V=>4V A?AB5@V30B8AO ?@8 ;V:C20=V ?V@0=B5;×, <>6CBL 2?;820B8 =0 H284:VABL @50:FVW ?@8 :5@C20==V02B>B@0=A?>@B× B0
740B=VABL 28>;<C20B8 @>1>BC 7 V=H8<8 <5E0=V7<0<8.

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

@5?0@0B <>6=0 ?@89<0B8 C 1C4L-O:89 G0A, =5<0T =5>1EV4=>ABV 2 ?@89>?5@54=L>AC20=V ?@>=>A=8E 70A>1V2.
=B5@>1V>7 B0 0A:0@84>7C 70728G09 4>7C20==O AB0=>28BL 2V4 10<3/;3 4> 12<3/;3 >4=>@07>2>.
@8 ;V:C20=V 5=B5@>1V>7C B0 0A:0@84>7C 70728G09 4>7C20==O AB0=>28BL 2V4 10<3/;3 4> 12<3/;3 >4=>@07>2>.
VBO< 2V>;< 2V4 6 @>:V2: 1 B01;5B:0 =0 20 :3 <0A8 BV:0 >4=>@07>2>.
>@>A:8< 7 <0A>N BV;0<5=H5 75 :3: 3 B01;5B:8 >4=>@07>2>.
>@>A:8< 7 <0A>N BV;0 1V;LH5 75 :3: 4 B01;5B:8 >4=>@07>2>.
28704:C 5=B5@>1V>7C 4;O ?>2>=>3> ?>7102;5==O 2V4 ?0@078BV2 =5>1EV4>=> 4>B@8@8E 3V3VT=VG=8E 70E>4V2 B0 ;V:C20B8 2AVE G;5=V2 @>48=8 >4=>G0A>=>. ;O C=8:~5==O ?>2B>@=>3> A0>70@065==O
@5:><5=4CTBLAO ?@89=OB8 ?>2B>@<C 4>7C G5@57 3 B86=V ?VA;O ?5@H>3> ?@89>
=:V'>AB><<>7
5=45=0E C 28704:C 70@065==O Necator americanus G8 <0A82>=W V=207VW Ancylostoma duodenale 4>7C20==O AB0=>28BL 20<3/;3 =0 4>1C (C 1 G8 2 ?@89><8) ?@>B03>< 2-3 4=V2.
VBO< 2V>;< 2V4 6 @>:V2: 1 B01;5B:0 =0 10 :3 <0A8 BV:0 =0 4>1C.
>@>A:8< 7 <0A>N BV;0<5=H5 75 :3: 6 B01;5B:~: =0 4>1C.
>@>A:8< 7 <0A>N BV;0 1V;LH5 75 :3: 8 B01;5B:~: =0 4>1C.
28704:C ?>3> 70@065==O Ancylostoma duodenale (O:5 70728G09 <0T =0E), <>65 1CB8 4>AB0B=L> ?@89>=>4=>@07>2>.

VB8.
@87=0G0B8 4VBO< 2V>;< 2V4 6 @>:V2. VBO< 4> 6 @>:V2 1060=> 70AB>A>2C20B8 ?@5?0@0B C
283;04V ACA?5=7VW.

5@54>7C20==O.
'5@57 =528A>;:89 =>5DVFT=B 01A>@1FVW :>F5=B@0FVW ?@5?0@0BC C ?;0?V T =87L:8<8. 5@54>7C20==O A?@8G8=OT 45O:V @>7;048 7 1>;C H:C=>2>~:8H:>2>3> B@0:BC (=0?@8;:04, =C4>B0, 1;N20==O, 4V0@5O) B0 =57=0G=V B82V @>7;048 7 1>;C F5=B@0;L=>W =5@2>2>W A8AB5<8 (=0?@8;:04, 0AB5=VO, 70?0<@>G5==O, 3>;>2=89 1V;L). =>4V ?5@54>7C20==O ?@872>48BL 4> 71V;LH5==O @V2=O
?5GV=>28E B@0=A0c"). !?5F8DVG=V 0=B84>B8 =52V4><5=4>20=5 =5309=5 ?@>×820==O H;C=;0, 0 B0:>6 <=VB>@8=3 DC=:FV9 48E0;L=>W B0 A5@F52>-AC48=>W A8AB5

>1VG=V @50:FVW.

1>;C H:C=>2>~:8H:>2>3> B@0:BC: 1V;L 2 5?V30AB@0;L=V9 4V;O=FV, 1V;L 2 682>BV, =C4>B0, 1;N20==O, 4V0@5O, 0=>@>5:AVO; A?0?8 2 682>BV, B5=57<8.

1>;C 35?0B>1V;V0@=>W A8AB5<8: 7=865==O 01>B825 ?V42815==O @V2=O ?5GV=>28E B@0=A0

1>;C =5@2>2>W A8AB5<8: 3>;>2=89 1V;L, 70?0<@>G5==O, A>;=82VABL, ?V42815=0 2B>×;N20=VABL, 157A>==O, 0AB5=VO.

1>;C H:V@8 B0 ?V4H:V@=>W :;VB>28=8: H:V@=V 28A8?0=O, A25@1V6, :@>?820=;0,

1>;C VW A8AB5<8: @50:FVW 3V?5@GCB;82>ABV.

"5@ABV:3 @>:8.

#<>28 715@V30==O.
15@V30B8 ?@8 B51 2 >@83V=0;L=V9 C?0:>2FV B0 2 =54>ABC?=>

#?0:>2:0.
> 3 B01;5B:8 C 1;VAB5@V, >6=89 C :0@B==V9 C?0:>2FV. > 1C?0>2>; C :0@B==V9 :>@>1FV.

0B53>@VO 2V4?CA:C. 0 @5F5?B>

8@>1=8:.
#!# %%"% ".

VAF57=0E>465==O 28@>1=8:0 B0 9>3> 04@5A020465==O 4VO;L=>ABV.
!289 (), =4:, @50, >?0=;V, EV204V (046.), =4VO.