Progress towards eliminating onchocerciasis in the WHO Region of the Americas: advances in mapping the Yanomami focus area

Progrès vers l'élimination de l'onchocercose dans la Région OMS des Amériques: progrès dans la cartographie de la zone du foyer Yanomami

Onchocerciasis (river blindness) is caused by the parasitic wormOnchocerca volvulus which is transmitted bySimulium species rivers and streams. In the human host, become encapsulated in subcutaneous at which time they can be transmitted to the next human host via subsequent bites. The parasite has no environmental

/·RQFKRFHUFRVH FpFLWp GHV U
TXpH GDQV Onchocerca volvulusver parasitaire
WUDQVPLV SDU FHUWDLQHV HVS
HW OHV FRXUV G·HDX UDSLGHV
OHV DGXOWHV PkOH Wvulus HQ
FDSVXOHQW GDQV GHV ©QRGXO
SURGXFH HPEU\RQLF PLFURÀODLUHV
PLJUDWH WR WKH VNLQ ZKHUH WKH\ DUH
LQJHVWHG E\ WKH EODFN ÁLHV GXULQJ
D EORRG PHDO ,Q WKH YHFWRU WKH PLFURÀ
ODULDH GHYHORS LQWR WKH LQIHFWLRXV /

UHVHUYRLU RU QRQKXPDQ KRVWV 0LFURÀ
ODULDH FDXVH VHYHUH LWFKLQJ DQG GLVÀJXU
LQJ VNLQ GLVHDVH DQG PD\ HQWHU WKH H\H
FDXVLQJ YLVXDO ORVV DQG EOLQGQHVV LQ VRPH
LQGLYLGXDOV ,YHUPHFWLQ 0HFWLQ
VDIH HIIHFWLYH RUDO PLFURÀODULFLGH GRQDWHG
E\ WKH 0HFWL]DQ 'RQDWLRQ 3URJUDP VLQFH
1987 to control or eliminate onchocercia
VLV WKURXJK FRPPXQLW\ ZLGH PDVV GUXJ
DGPLQLVWUDWLRQ 0'$ 7KH GUXJ UDSLGO\
NLOOV WKH PLFURÀODULDH DQG ZLWK UHSHDWHG
URXQGV RI WUHDWPHQW ZLWK KLJK FRYHUDJH
it can stop transmission and increase
PRUWDOLW\ LQ DGXOW ZRUPV ,Q WKH $PHUL
cas, over 50000 persons were initially
LQIHFWHG RU DW ULVN RI LQIHFWLRQ LQ FRXQ
WULHV %UD]LO &RORPELD (FXDGRU *XDWH
mala, Mexico and the Bolivarian Republic
RI 9HQH]XHOD 7R GDWH RI WKH RULJLQDO
DW ULVN SRSXODWLRQ LV QRZ IUHH RI RQFKR
FHUFLDVLV DQG RI WKH FRXQWULHV &RORP
ELD (FXDGRU *XDWHPDOD DQG 0H[LFR
KDYH EHHQ YHULÀHG E\ :+2 WR KDYH
VXFFHVVIXOO\ HOLPLQDWHG WUDQVPLVVLRQ 7KH
ÀQDO UHJLRQ RI WUDQVPLVVLRQ RI RQFKRFHU
FLDVLV LQ WKH $PHULFDV LV LQ D UHPRWH DUHD
WKH <DQRPDPL IRFXV DUHD <)$ RQ WKH
ERUGHU RI %UD]LO DQG WKH %RLYDULDQ
5HSXEOLF RI 9HQH]XHOD

The Yanomami focus area

7KH <)$ LV WKH FURVV ERUGHU]RQH RI RQFKRFHUFLDVLV WUDQVPLVVLRQ FRPSULVLQJ WKH 6RXWK IRFXV RI WKH %RLYDULDQ 5HSXEOLF RI 9HQH]XHOD DQG WKH $PD]RQDV IRFXV RI %UD]LO 7KH <DQRPDPL DUH WKH QRPDGLF LQGLJHQRXV SHRSOH ZKR live in communities scattered over approximately 230 000 km² RI VDYDQQDK DQG $PD]RQ UDLQIRUHVW DORQJ WKH ERUGHU EHWZHHQ WKH WZR FRXQWULHV $ERXW YLGXDOV OLYLQJ LQ "shabonos" or YLOODJHV FDOOHG "malocas" DUH WDUJHWHG IRU 0'$ \HDU , LYHUPHFWLQ WUHDWPHQWV ZHUH JLYHQ LQ WKH <)$ DV WZLFH D \HDU WUHDWPHQW DQG WLPHV D \HDU WUHDWPHQW 7KH VXFFHVV ZLWK ZKLFK 0'$ UHDFKHG WKH WUHDWPHQW JRDO GHSHQGHG RQ ORFDWLRQ RI YLOODJHV WKH DYDLODELOLW\ RI UHVRXUFHV DQG LQIUDVWUXFWXUH LQFOXGLQJ DLU WUDQVSRUW DQG ODQGLQJ VWULSV <DQRPDPL PLJUDWRU\ SDWWHUQV DQG ZHDWKHU FRQGLWLRQV

,Q RUGHU WR DFKLHYH WKH SURJUDPPH·V GLVHDVH HOLPLQDWLRQ JRDOV VHYHUDO LQLWLDWLYHV ZHUH ODXQFKHG LQ LQWKURSRORJLFDO VWXGLHV WR OHDUQ PRUH DERXW WKH Yanomami (mobility patterns and community sociopo OLWLFDO UHODWLRQVKLSV LL UHFUXLWPHQW DQG WUDLQLQJ RI PRUH LQGLJHQRXV KHDOWK DJHQWV ,+$V WR KHOS SURYLGH ivermectin treatment and other health care; (iii) recovery DQG PDLQWHQDQFH RI DLUVWULSV LQ WKH 9HQH]XHODQ 6RXWK IRFXV DQG LY PHHWLQJV EHWZHHQ WKH QDWLRQDO SURJUDPPHV WR EHWWHU GHÀQH WKH RQFKRFHUFLDVLV HQGHPLF DUHD WR EH FRYHUHG $Q DFFXUDWH SLFWXUH RI WKH <DQRPDPL SRSXODWLRQ WDUJHWHG IRU RQFKRFHUFLDVLV WUHDWPHQW ZDV GLIÀFXOW WR DFKLHYH DV WKHLU VHWWOHPHQWV DUH FKDQJLQJ constantly in composition and mobility. In 2017, the %UD]LOLDQ DQG 9HQH]XHODQ RQFKRFHUFLDVLV HOLPLQDWLRQ SURJUDPPHV DJUHHG RQ DQ HVVHQWLDO XSGDWH DQG GHWDLOHG PDSV RI DOO FRPPXQLWLHV LQ WKH <)$ LQFOXGLQJ JHRJUDSK LFDO FRRUGLQDWHV WUHDWPHQW DQG HSLGHPLRORJLFDO GDWD vector species, health posts, airstrips and mobility SDWWHUQV ,Q RUGHU WR DPDOJDPDWH WKH GDWD FROOHFWHG WKURXJK WKH \HDUV E\ WKH SURJUDPPHV RQ ERWK VLGHV RI WKH ERUGHU WHFKQLFDO RQFKRFHUFLDVLV VWDII DQG JHRJUDSK LFDO LQIRUPDWLRQ V\VWHP *,6 H[SHUWV KHOG WZR PHHWLQJV LQ WR FKRRVH D FRPPRQ *,6 SODWIRUP DQG WR XQLI\ WKHLU GDWD 7KH PHHWLQJV ZHUH KHOG LQ *XDWHPDOD &LW\ *XDWHPDOD LQ -DQXDU\ DQG 5LR GH -DQHLUR %UD]LO LQ 0DUFK 7KH PHHWLQJV UHVXOWHG LQ DQ XSGDWHG GDWDEDVH RI <)$ FRPPXQLW\ FRRUGLQDWHV DQG WKHLU SUH 0'$ HQGHPLF OHYHO L H K\SR HQGHPLF EDVHOLQH PLFURÀODULDH SUHYDOHQFH ² PHVR HQGHPLF ² DQG K\SHU HQGHPLF • 7KH PDS FOHDUO\ VKRZV WKDW WKH HSLFHQ WUH RI WKH <)$ FURVVHV WKH LQWHUQDWLRQDO ERUGHU 7KH SURJUDPPHV FRPPLWWHG WKHPVHOYHV WR FRQWLQXH FROODERUDWLRQ DQG FROOHFWLRQ DQG VKDULQJ RI GDWD DW OHDVW DQQXDOO\ WR HQVXUH WKDW WKH MRLQW *,6 SODWIRUP LV FRQWLQ ually updated.

Editorial note

7KH FRPPRQ PDSSLQJ V\VWHP XVHG WKLV \HDU LV DQ LPSRUWDQW QHZ WRRO IRU EUHDNLQJ WUDQVPLVVLRQ DQG FRRUGLQDWLQJ WKH KDOWLQJ RI 0'$ OPKQJ RI p0,