*OIBMBUJPO #VSO $SVTI TZOESPNF BOE 3IBCE

'DODPDJND 0DULD =HUYDV .RQVWDQWLQRV
'HSDUWPHQW RI $QDHVWKHVLRORJ\ *HQHUDO +RVSLWDO RI /DULVVD *UHHFH
6XUJLFDO 'HSDUWPHQW *HQHUDO +RVSLWDO RI /DULVVD *UHHFH
&RUUHVSRQGLQJ 'DODPDJND 0DULD 'HSDUWPHQW RI $QDHVWKHVLRORJ\ *HQHUDO +RVSLWDO RI /
PDU\ GDODPDJND#JPDLO FRP

5HFHLYHG $XJXVW $FFHSWHG 1RYHPEHU 3XEOLVKHG 1RYHPEHU

&RS\ULJKW 0DULD ' HW DO 7KLV LV DQ RSHQ DFFHVV DUWLFOH GLVWULEXWHG XQGHU WKH WHUPV RI W
XVH GLVWULEXWLRQ DQG UHSURGXFWLRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO DXWKRU DQG VRXU

,QWURGXFWLRQ

,QKDODWLRQ EXUQ LV UHVSRQVLEOH IRU RI WKH PRUWDOLW\ DVVRFLDWHG ZLWK WKHUPDO EXUQ ,QKDODWLRQ XUQ WpHW@ `P@p

H DUHD DERYH WKH
WRQJXH LV SDUWLFXODUO\ YXOQHUDEOH WR WKHUPDO GDPDJH
GHYHORSV VZHOOLQJ DQG REVWUXFWLRQ RI WKH XSSHU DLUZD\V ZKLFK PD\ QRW
EH LPPHGLDWHO\ DSSDUHQW
WKHUPDO EXUQ EXW DOVR E\ WKH GLUHFW WR[LF DFWLRQ RI LUULWDQW JDVH
VKRZLQJ KRDUVHQHVV WLELGDO VZHOOLQJ DQG ODU\QJRVSDVP 8QOLNH WKH XSSHU
DLUZD\ OHVLRQV OHVLRQV RI WKH WUDFKHREURQFKLDO WUHH DUH DOPRVW QH
FDXVHG E\ KHDW +HDW EXUQ RI WKH ORZHU DLUZD\V LV RQO\ REVHUYHG LQ
H[FHSWLRQDO FDVHV ZKHUH VDWXUDWHG ZDWHU YDSRU HQYLURQPHQW
OHVLRQV DUH XVXDOO\ RI D FKHPLFDO QDWXUH RI LUULWDQW JDVHV DQG VRRW
GLDJQRVLV LV XVXDOO\ EDVHG RQ FOLQLFDO EHKDYLRXU VXFK DV IDFLDO EXUQ
VRRW GHSRVLWLRQ LQ WKH UDW SKDU\Q[HSLJORWWLV DQG WRQJXH YRLFH JXH
ODU\QJRVSDVP LPDJH DQG EURQFKRVSDVP 6PRNH H[SRVLWLRQ LV DOVR D
SRVLWLYH GLDJQRVWLF SRLQW

[illegible overlapping lines]

WKH SDWLHQW LQKDODWLRQ LQMXUHG WLVVXHV
PDQLIHVWDWLRQ RI LQKDODWLRQ LQMXU\ LV SRVW REVWUXFWLYH SXOPRQDU\ HGHPD
FDVHV LQ ZKLFK WKH SDWLHQW KDG FRPSOHWH DLUZD\ REVWUXFWLRQ
FDUERQ PRQR[LGH SRLVRQLQJ LV D PDMRU FDXVH RI GHDWK LQ ILUH YLFWLPV
FRPSOLFDWLRQV RI QHXURORJLF\ PHWKRG LQ VHYHUH
FDVHV RI FRPD ZLWK JUHDWHU SHUPHDELOLW\ RI FRUQHD HWF
V\QWKHWLF VXEVWDQFHV VXFK DV Q\ORQ DQG SRO\XUHWKDQH FDXVHV WKH UHOH
RI F\DQLGH ZLWK WKH PRVW LPSRUWDQW\ FRQVLGHULQJ F\DQLGH
DFWLRQ LV GXH WR WKH ELQGLQJ RI F\WRFKURPH R[LGDVH DQG LQKLELWLRQ RI
R[\JHQ XSWDNH DW WKH FHOOXODU OHYHO &\DQLGH SRLVRQLQJ VKRXOG EH
VXVSHFWHG RI UHPDLQLQJ LQ D FORVHG VSDFH ZKHUH XQH[SODLQHG
PHWDEROLF ODFWLF DFLGRVLV RFFXUV "€1q X 0ZYL@0 LQ R•€ O) 0 E@G

LVDFWLRQ RI
P\RJOREOLQ LV DOVR OLPLWHG WR DOQDOLQH HQYLURQPHQW 3DWLHQWV XVXDO
H[SHULHQFH VHYHUH LQMXU\ ZLWK LVFKHPLD UHSHUIXVLRQ
HvHFW GHPDWRXV HGJHV FRPSDUWPHQW V\QGURPH GDUN FRORUHG XULQH