

'SBODJTFMMB UNWBOSFSTMM "DUJWBUPS 4VQ
&WBEFS 5IF &WPMWJOH 7JFX GSPN UIF 1FUSJ

.ULVWHQ 0 +ROODQG 6DUDK - 5RVD DQG .DUVWHQ 5 2 +DJOHWW

&HQWHU IRU ,PPXQRORJ\ OLFURELDO 'LVHDVH \$OEDQ\ OHGLFDO &ROOHJH \$OEDQ\ 1< 86\$

&RUUHVSRQGLQD UD\W\HCR\ 2 +DJOHWW &HQWHU IRU ,PPXQRORJ\ OLFURELDO 'LVHDVH \$OEDQ\ OHGLFDO
ODERUDWRULHV KIDQHY\WMLDR]HFHOO EDVHG PRGHOD DV WRRDV WR SUREH WKH QD
LQWHUDFWLRV\XO\DIUW\HUVW XVHV RI WKLV PRGHOD VXJJHVVWHG WKDW PDPPH
EDFWHULXP SULQFLSDOO\ WKURXJK 7/5. E\RD\H\&NFH\WDR\N\RG\UWH\VS\Q\WHL\ED\O\O\X
,/ DQG ,)1 2WKHUV XVHG WKLV PRGHOD LQ FRQFHUW ZLWK D YDULHW\ RI G
FHOO LQWHUDFWLRQ DQW\X\O\J\H\FO\W\A\H\CO\W\K\DS\AS\U\H\VV\HG\ WKH FHOOXODU UHVSRQ
LQWHUDFWLRQ UDWKHU WKDQ RQH LQYROYLQJ
GLVHDVH

.H\ZRUG\XODUHPLD +RVW DGDSWDWL\QG Q\H\LS\KHD J\RV\X\AS\U\H\FA\H\O\Q HSLWKHOLD
&\WRNLQHV +RVW UHVSQRQH ZLWKLQ WKHVH FHOOV LV NQRZQ WR UH
XQNQRZQ PHFKDQLVP IROORZHG E\ H[SRQ F\WRSODVP EHIRUH LQGXFWLRQ RI DXWR
,QWURGXFWLRQ (vRUW\ XQGHUVWDQG WKH PHFKDQLVPV
)UDQFLVHOOD)WXOLDUH\O\VUUDP QHJDWL\PO\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
LQWUDFHOOXODU EDFWHULXP WKDW LKRWWHH\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
JRRQRWLF GLVHDVH ZKLFK FDQ KDYH PRUW\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
SQHXPRQLF LQIHFWRQV > @ +XPDQ YLUXOHQW VWUDLQV RI WKH EDFWHULD VXF
DV 6FKX6 6 DUH FDSDEOH RI FDXVLQD G\Y\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
DV &H\FKDUDFWHULVWLFV DV ZHOO DV EHLQJ\ HDVLO\ DHURVROLJHG KDYH
FRQWULEXW\O\W\KDW KDYH QRZ HYRO
LQIHFWRHG ZLWK)W JHQHUDOOG GR QRW\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
VXJJHVVWLQJ D ODFN RI LPPXQH VWLF\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
LQFXEDWLRQ SHULRG LV WKHQ IROORZHG P\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
F\WRNLQH UHVSQRQH\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
,/ ,/ DORQJ ZLWK ,/ DQG 7*) • DQ\W\Q\H\LS\KHD\O\W\KDW KDYH QRZ HYRO
SRLQWV LQGLFDWLQJ WKDW WKH EDFWHULXP LV DFWLYHO\ UHFRJQLJHG GXULQJ
HDUO\ SKDVHV RI GLVHDVH > @ &RPPRQO\ XVHG ODE VWUDLQV LQFOXGH WKH
DWWHQXDWHG OLYH YDFFLQH VWUDLQ /96 DQG WKH UHODWHG VSHFLHV

LQ YLWUR

)UDQFLVHOOD

QRYLF\Q\H\LS\KHD\O\W\KDW ERWK RI ZKLFK FDXVH SRWHQWLDOO\ OHWKDO SQHXPRQLF
GLVHDVH LQ D PRXVH PRGHOD)W LV FDSDEOH RI HYDGLQJ DQG UHSOLFDWLQJ
ZLWKLQ ERWK SKDJRF\WLF PDFURSKDJHV >0•@ DQG GHQGULWLF FHOOV >'&@

