

&LWDWLRKDPD . .RLNH \$ \$PDQR) 7ULSWROLGH ,QGXFHV &HOO 'DPDJH LQ /LSRSRO\V
6LJQDOLQJ &DVFDGH 'HSHQGHQW 0DQRU - &\WRNLQH %LRO

3DJH RI

OLSRRO\VDFFKDULGH LQGXFHV UDSLQ PDFURSKDJH GHVWU %LRO XKDUPXOO\$DRL31
LQ~DPPWWRUWULSWROLGH LQ XPDQ EURQF
.XSFKQ &RXUW :\$ 'DLOH\ 5* *LOPRUH & 3K%LRO /XQJ &HOO 0RO 3K\VLRO
7ULSWROLGH DQG WULSGLROLGH QRYHO DLW&OHXKH B LF +XDWU\$HQDQG 0WUBHBR[LGHM
IURPULSWHUIJLXP \$Z Q/RHFG BRF DQWLFDDQFHU DFWLYLW\ RI WULSWROLGH F
.RKDPD .RLNH \$ \$PDQR) HvH RYWRUW\$WLFOLGSR \$VQ RRVLV LQ LQDQDQDQFYE8DGFHUU /HWW
/36 WUHDWHG PDFURSKDJHV WKURXJK VVW BDDQHG SORLVSKR/LXODWXRQ &KHSQ HvHHRW DO
0\$3 NLQDVH DQG DRSRWRVLV ,QWO %LRO RJWULSWROXBIHQV QVQHP\$K QRGH PHWDVWDVLY
.DUDKDVKDJDD . ,VKLL . \$PDQR) \$ QHP\$KRPDY E\ LQKXEQDRLQD 6YLSF&BA 53KD[U R DFF
S 0\$3 NLQDVH 6% LQGXFHG DRSRWRWLF FHOO GHDWK RI D
OLSRRO\VDFFKDULGH WUHDWHG PDFURSKDJH QQRHJH KFHJQ OLQ&\WRNLQH GRZQ UHJXOD
%LRSK\ \$FWD WROHUDQFH (XU &\WRNLQH 1HWZ
\$PDQR) \$NDPDWVX < \$ OLSRRO\VDFFKDULGH 7D\$HXJIFKLL 2WDDZDL 7 6DQMR + 2
PXWDQW LVRODWHG IURP D PDFURSKDJH OHGHFHFDRO 0DQMA5 -U6FH FWHRW/DWM BCSRUVS
DOWHUG DFWLYDWHG PDFURSKDJH SKHQRO\LSR SRO\VDFFKDULGH WVRH/3LGH, QHFWRU 7/5
,PPXQ ,PPXQRO
.DUDKDVK\$PDQR) (QGRWR[LQ WROHUDQFH WR&WIKH FXWRWRDQF;LWDRR&HWRD CHQGR
WRZDUG D PDFURSKDJH OLNH FHOO OLQHDFWLYH R[LQHGXFHSGFLEW DQG QLWULF R[L
OLSRRO\VDFFKDULGH DQG F\FORKH[LPLGHFHOROGHBIWS LQ\$BDEQRSGQXFWLRQRO OHG %
RI WKH F\WRWR[LFLW\ %LRO 3KDUP %XOO :X < &XL - %DR ; &KDQ 6 <RXQJ '2 HW DO
.DUDKDVK\$PDQR) /LSRRO\VDFFKDULGH[LGDWLYHQXFMGHFMOOI) NDSSD% DFWLYDWL
GHDWK RI & + PRXVH SHULWRQHDO PDFURSKDJHVLRO VQKRXSUGH HSHULWRQHDO PDFUR
F\FORKH[LPLGHXQVW HSWLELOLWLHV RI & + H&DQ & + H+ PEFHLP <+ /HH 6+ .ZRQ <.
PDFURSKDJHV - (QGRWR[LQ 5HV ,PPXQVXSSUHVVDDQW 3* WULSWROLGH L
/LX 4 7ULSWROLGH DQG LWV H[SDQGLDFWEXDOWLSQHR\$KFDVSDFRHORJLQGOGRZQ UHJX
IXQFWLRQV ,QWO ,PPXQR\$KDU\$DFFRO %LRFKHP 3KDUPDFFRO
0DW\$DDQJ ; *H + 5D\ : 1HOLQ /' HW DO 7ULSWROLGH LQGXFHV
DQWL LQ~DFFDQVOLDU UHVSQRVHV \$P - 7UDQVO 5HV

RSHQ DFFHV V MRXUQDO