'LVWDO SDQFUHDWHFWRP\ '3 LV D VWDQGDUG RSHUDWLRQ IRU PDQ\ S
OHIW RI WKH VXSHULRU PHVHQWHULF YHLQ $GYDQFHV LQ WHFKQRORJ\ KDYH PDGH
VDIH DQG IHDVLEOH SURFHGXUH ,Q WKLV VWXG\ ZH UHYLHZHG RXU H[SHULHQFH
SDQFUHDWHFWRP\ 2'3 IRU WKH PDQDJHPHQW RI EHQLJQ DQG PDOLJQDQW OHVLRQ

0DWHULDOV DQG 0HWKRGV

$ UHWURVSHFWLYH UHYLHZ RI PHGLFDO UHFRUGV RI SDWLHQWV VXEMHFWHG W
D '3 IRU SDQFUHDWLF WXPRUV EHWZHHQ DQG LQ WKH 'HSDUWPHQW RI 'LJHVWL
&DWyOLFD GH &KLOH ,Q HDFK SDWLHQW FOLQLFDO DQG VXUJLFDO FKDUDFWHULVW
H[DPLQDWLRQ ZDV DQDO\]HG

5HVXOWV /'3 ZDV DVVRFLDWHG ZLWK VLJQLILFDQWO\ &OHVV RSHUDWLYH EORRG

6XUJLFDO WHFKQLTXH

H SDWLHQW ZDV SODFHG LQ WKH OLWKR
SRVLWLRQHG EHWZHHQ WKH SDWLHQWdV O
WKURXJK }IRXU URWV ZLWK LQLWLDO DFFH
SRVLWLRQ VHFWLRQ RI WKH SDQFUHDWLF
SHUIRUPHG XVLQJ D KDUPRQLF ZDV RSE
PHGLDOO\ DQG WKH OHVVHU VDF ZDV RSH
SRUWLRQ RI WKH SDQFUHDV 'LVVHFWLRQ RI
DQG WKH JDVWURFROLF OLJDPHQW IRU PR
ZDV SHUIRUPHG IRU DGHTXDWH H[SRVXUH

XUUHQW LQGLFDWLRQV IRU '3 LQFOXGH PDOLJQDQW DQG EHQLJQ OHVLRQV RI
WKH SDQFUHDV FRUSXV DQG WDLO DV ZHOO DV FKURQLF SDQFUHDWLWLV DQG WUDXPD

$GYDQFHV LQ WHFKQRORJ\ KDYH PDGH SDQFUHDWLF UHVHFWLRQ DQG UHFRQ
SDQFUHDWHFWRP\ /'3 D VDIH DQG IHDVLEOH SURFHGXUH > @ 6HYHUDO
VWXGLHV KDYH VKRZQ WKH DGYDQWDJHV RI /'3 RI VKRUWHU KRVSLWDO VWD\ DQG
RSHUDWLYH WLPH IDVWHU UHFRYHU\ DQG KLJKHU VSHHQ SUHVHUYLQJ UDWH DV
FRPSDUHG ZLWK RSHQ GLVWDO SDQFUHDWHFWRP\ 2'3 > @

,Q WKLV VWXG\ ZH UHYLHZHG RXU H[SHULHQFH ZLWK /'3 DQG FRPSDUHG
ZLWK 2'3 IRU WKH PDQDJHPHQW RI EHQLJQ DQG PDOLJQDQW OHVLRQV

0DWHULDOV DQG 0HWKRGV

$ UHWURVSHFWLYH UHYLHZ RI PHGLFDO UHFRUGV RI SDWLHQWV VXEMHFWHG W
D '3 IRU SDQFUHDWLF WXPRUV EHWZHHQ DQG LQ WKH 'HSDUWPHQW RI 'LJHVWL
&DWyOLFD GH &KLOH ,Q HDFK SDWLHQW FOLQLFDO DQG VXUJLFDO FKDUDFWHULVW
H[DPLQDWLRQ ZDV DQDO\]HG

'LJHVWLYH 6\VWHP