

20, & 6, QWHUQDWLRQDO

## Marijuana-Is It a Medicine?

Thersilla Oberbarnscheidt and Norman S Miller

'HSDUWPHQW RI 8NCFKLDWU\ 0LFKLDQ 8QLYHUVLW\ 86\$

&(2 RI +HDOWK \$GYRFDWHV 3//& (DVW /DQVLQJ 0, &OLQLFDO 3URIHVVRU RI 3V\FKLDWU\ 'HSDUWPHQW RI  
\*HRUJLD 86\$

**Corresponding author:** 7KHUVLOOD 2EHUEDUQVFKHLGW 'HSDUWPHQW RI 3V\FKLDWU\ &HQWUDO 0LFKLDQ 8QLYHUVLW\

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XQUHVWULFWHG XVH GLVWULEXWLRQ DQG UHSURGXFWLRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO D

### Abstract

7KWHYLHZ LV EDVHG RQ OLWHUDWXUH VHDUFK WR GHWHUPLQH WKH ULVNV DQG  
WKH UROH IRU PDULMXDQD LQ PDLQVWUHDQ PHGLFLQH 30DULMXDQD LV WKH Q  
&DQQDELV VDWLYD SODQW DQG UHIHUV VSHFLILFDQ\ WR WKH GULHG OHDYHV DQG  
IRU PDULMXDQD DUH FDQQDELV RU KHPS

&XUUHQW FOLQLFDO VWXGLHV GR QRW IRFXV RQ WKH QDWXUDO IRUP RI PDULM  
LQVWHDG 0DULMXDQD LV D VFKHG\OH , VXEVWDQFH E\ IHGHUO ODZ ZLWK KLJK  
ZKLFK OLPLWV UHVHDUFK VWXGLHV DQG IRUELGV FOLQLFDO XVH +RZHYHU WKH V  
WKH QDWXUDO IRUP RI PDULMXDQD DQG YLFH YHUV

8QOLNH PRVW PHGLFDWLRQV RQ WKH PDUNHW PDULMXDQD GRHV QRW KDYH RQO  
PDULMXDQD DUH GHULYHG IURP WKH SODQW &DQQDELV VDWLYD DQG FRQVLVW RI  
WHUSHQRLGV DQG PRUH WKDQ FDQQDELQRLGV RWKHU WKDQ GH@đG•K³ 0&J t€Ppđ

LQGLFDWLRQV DUH DSSHVLWH HQKDQFHU LQ \$,'6 DQG VSDVWLFLW\ LQ 0XOWLSO  
6FOHURVQDWXUDO IRUP RI VPRNHG PDULMXDQD KDV QRW EHHQ  
DSSURYHG E\ DQ\ UHJXODWRU\ DJHQF\ ZRUOGZLGH ,W LV D VFKHGXOH ,

H H[SHULHQFH RI IHOLQJ fKLJKg SRLQWV RXW WKH DGGLFWLYH SRWHQWLDQ RI  
PDULMXDQD DQG WKH DEHUUDQW EHKDYLRUV WKDW UHVXOW IURP WKLV H[SHULH  
LQ WKH XVHU WR DFTXLUHHOKGJfRIJKgJBJDUQEHLQJ  
fVWRQHGG FRPELQHG ZLWK D VKRUW PRPHQW RI HXSKRULD OHGTV WR LPSDLUHG  
FRJQLWLRQ DQG MXGJPHQW \$ VWXG\ E\ :DOVK HW DO LQWHUYLHZHG  
PDULMXDQD XVHUV LQ &DQDGD IRU WKHLU PRWLYHV RI DFTXLULQJ WKH GUXJ  
RI WKH SDUWLFLSDQWV VWDWHG WKDW WKH\ KDG XVHG PDULMXDQD EHIRUH IR  
QRQ WKHUDSHXWLF SXUSRVHV > @

\$QRWKHU \$WKLQJ}EYQDO LQ 2KLR LQWHUYLHZHG PHGLFDO  
PDULMXDQD XVHUV IRU WKHLU UHDPRLQV RI XVH DQG IXQFWLRQDOLW\  
UHDVRQ FODLPHG ZDV SDLQ (LJKW\ SHUFHQW RI WKH VWXG\ SRSXODWLRQ ZDV  
XQHPSOR\HG ZLWK SUHYLRXV HXLVWRU\ RI LQFDFUDWLRQ  
LQWHUYLHZHG PHGLFDO PDULMXDQD XVHUV KDG D YHU\ KLJK UDWL RI DGGLWLRQ  
GUXJ DGGLFWLRQV LQFOXGLQJ DOFRKRO WREDFFR KHURLQ SUHVFULSWLRQ  
RSLRLGV DQG VHGDWLYHV > @

PDULMXDQD LV DOVR GLVFXVVHG WR KDYH D UROH LQ DXJPHQWDWLRQ RQ  
RSLRLG WKHUDS\ DQG WR DL32, W7 WWHX&VIRI RSLRLGV

HLWKHU VXSSUHVHVH WKH LPPXQH V\VWHP RU H[SRVHV SDWLHQWV WR DQ DGGH  
EXUGHQ RI SDWKRJHQV > @

0DULMXDQD LQ PXOWLSOH VFOHURVLV 06 SDWLHQWV

H V\QWKHWLF IRUPV RI 7+& KDYH VKRZQ OLWWOH FRQFUHWH HYLGHQFH  
WKDW FDQQDELV WUHDWV 06 V\PSWRPV VXFV DV DWD[LD WUHPRUV VSDVWFLFW  
> @

9DQH\ HW DO IROORZHG SDWLHQWV ZLWK 06 UHJDUGLQJ WKHLU 06  
DVVRFLDWHG V\PSWRPV V\PSWRPV DQG +PRELOLW\  
DGPLQLVWUDWLRQ DQG IRXQG VXEMHFWLYHO\ UHSRUWHG GHFUHDVH LQ VSDVP  
IUHTXHQF\ DQG LPSURYHG PRELOLW\ :KLOH RWKHU VWXGLHV GLG QRW UHYHDO  
DQ\ LPSURYHPHQW LQ WKH VXEMHFWLYH UHSRUWHG PXVFOH VSDVPV DW DOO > @

\$ VWUXFWXUDO 05, VWXG\ E\ 5RPHUR HW DO HYDOXDWHG 06 SDWLHQWV  
ZKR ZHUH VPRNLQJ PDULMXDQD ZLWK WKH %ULHI 5HSHDWDEOH  
1HXURSV\FKRORJLFDO %DWWHU\ DQG VWUXFWXUDO 05, VFDQV DQG FRPSDUHG  
WKH GDWD ZLWK PDWFKHG QRQ FDQQDELV VPRNLQJ 06 SDWLHQWV  
05, LQ WKH FDQQDELV VPRNLQJ 06 SDWLHQWV UHYHDOHG JUD\ PDWWHU YROXPH  
ORVV LQ WKDODPXV EDVDO JDQJOLD PHGLDO WHPSRUDO DQG PHGLDO SUHIURQV  
UHJLRQV DQG ZKLWH PDWWHU WHPSRUDO ORVV LQ WKH IRUQL[  
> @

0DULMXDQD LQ RWKHU PHGLFDO LQGLFDWLRQV

0DULMXDQD LV OHJDOLJHG LQ VHYHUDO VWDWHV IRU WKH IROORZLQJ GHOLEHUDW  
FRQGLWLRQV > @

'HSUHVLRQ

&RQWUDU\ WR WKH XVHUV EHOHI WKDW PDULMXDQD DOOHYLDWHV GHSUHVLRQ

3UHJQDQF\

6XQ ; ;X &6 &KDGKD 1 &KHQ \$ /LX - 0DULMXDQD IRU JODXFRPD  
\$ UHFLSH IRU GLVDVWHU RI WUHDWPHQW" <DOH - %LRO 0HG  
\$EUDPV ', &RXH\ 3 6KDGH 6% .HOO\ 0( %HQRZLWJ 1/  
&DQQDELQRLG RSLRLG LQWHUDFWLR@ULQ FKURQLF SDLQ &OLQ 3KDUPDFRO

:DOVK &DQQDELV IRU WKHUDSHXWLF SXUSRVHV 3DWLHQW FKDUDFWHULVWLFV  
DFFHVV DQG UHDVRQ IRU XVH ,QW - 'UXJ 3ROLF\  
\$VKUD}RXQ &KDUDFWHULVWLFV RI VXEVWDQFH XVH GLVRUGHU WUHDWPHQW  
SDWLHQWV XVLQJ PHGLFDO FDQQDELV IRU SDLQ \$GGLFW %HKDY