

A CONSTRUÇÃO DE MOBILIÁRIO ADAPTADO PARA FACILITAR A INCLUSÃO ESCOLAR DE UMA ESTUDANTE COM PARALISIA CEREBRAL*

The construction of adapted furniture to support the education of a student with cerebral palsy

La construcción de muebles adaptados para apoyar la escolarización de una estudiante con parálisis cerebral

Resumo

Analisou-se a construção de um mobiliário adaptado, a partir da parceria entre setores da saúde e educação, para apoiar a escolarização de uma estudante com paralisia cerebral. A confecção do recurso pautou-se na necessidade de ajustar a postura da estudante, que possui um grave quadro motor, para sua participação independente e autônoma em atividades de roda, no chão. A criação do recurso implicou em recorrentes ajustes, oficinas e elaboração de materiais instrucionais. De modo particular, favoreceu a participação da estudante nas atividades em roda, colocando-a na mesma posição que seus pares e proporcionando maior interação em sala de aula.

Palavras-chave: Educação Especial; Tecnologia Assistiva; Paralisia Cerebral.

Abstract

We sought to analyze the construction of adapted furniture, based on the association between health and education sectors, to support the schooling of a student with cerebral palsy. The preparation of the resource was based on the need to adjust the position of the student, who has a serious motor picture, for independent and autonomous participation in wheel activities, on the ground. The creation of the resource involved in recurrent adjustments, workshops and the preparation of instructional materials. In a particular way, it favored the participation of the student in the activities in wheel, leaving her in the same position as her peers and providing more interaction in the classroom.

Keywords: Special Education; Assistive Technology; Cerebral Palsy.

Resumen

Se buscó analizar la construcción de un mobiliario adaptado, a partir de la asociación entre sectores de la salud y educación, para apoyar la escolarización de una estudiante con parálisis cerebral. La confección del recurso se basó en la necesidad de ajustar la postura de la estudiante, que posee un grave cuadro motor, para su participación independiente y autónoma en actividades de rueda, en el suelo. La creación del recurso implicó en recorrentes ajustes, talleres y elaboración de materiales instruccionales. De modo particular, favoreció la participación de la estudiante en las actividades en rueda, dejándola en la misma posición que sus pares y proporcionando mayor interacción en el aula.

Palabras clave: Educación Especial; Tecnología Assistiva; Parálisis Cerebral.

David dos Santos Calheiros

Docente do Curso de Terapia Ocupacional da Universidade Estadual de Ciências da Saúde de Alagoas, Maceió/AL, Brasil
david_calheiros@yahoo.com

Enicéia Gonçalves Mendes

Docente do Departamento de Psicologia e do Programa de Pós-Graduação em Educação Especial da Universidade Federal de São Carlos, São Carlos/SP, Brasil.
enicéia.mendes@gmail.com

Flávia Calheiros da Silva

Docente do Curso de Terapia Ocupacional da Universidade Estadual de Ciências da Saúde de Alagoas, Maceió/AL, Brasil.
flavia_calheiros@hotmail.com

Emanuele Mariano de Souza Santos

Docente do Curso de Terapia Ocupacional da Universidade Estadual de Ciências da Saúde de Alagoas, Maceió/AL, Brasil.
manumsouza@yahoo.com.br

Thais Quintela de Andrade Nabuco

Terapeuta ocupacional da Universidade Estadual de Ciências da Saúde de Alagoas, Maceió/AL, Brasil.
tsqa@hotmail.com

Alessandra Bonorandi Dounis

Docente do Curso de Terapia Ocupacional da Universidade Estadual de Ciências da Saúde de Alagoas, Maceió/AL, Brasil.
abdounis2@gmail.com

&217(;78\$/ ,=\$d-2

7UDWB GH XPD DQIOLVH GD SUIWLF D GH FRQVWUXomR GH XP PRE
D HVWXGDQWH P LQDFRULQ GRV GH LGDGH TXH DSUHVHQWD FRPSURPHWL
GLILFXOGDGHV QD FRPXQLFDomR FRPSUHHQGH FRPDQGRV UHVSRRQG
SUHVV}HV IDFLDLV \$SUHVHQWD 3DUDOLVLD &HUHEUDO 3& GR WLSR
PD GH &ODVVLILFDomR GD)XQomR 0RWRUD *URVDHV%RQDWLHJXQWNGD
TXH UHFHELD FRQVXOWRULD GH XPD UHGH GH DSRLR FRQVWLWXtGD S
ULD *HUDO GH (GXFDomR (VSHFLDO GD 6HFUHW DULD 0XQLFLSDO GH (C
(VSHFLDOLJDGR HP 5HDEFLDGRD-FFH&(5GH (VWXGRV HP (GXFDomR H 'L
GD 8QLYHUVLGDGH)HGHUDO GH \$ODJRDV 1((', 8)\$/ 8PD GDV TXHVW
WRULD SHOR SURIHVVURU H SHOD SURILVLRQDO GH DSRLR HUD D SF
TXH GLILFXOWDYD VXD SDUWLFLSDomR HP DWLYLGDGHV UHFUHDWLYD
UDP REVHUYDGRV RV UHFXUVRV GH 7HFQRORJLD \$VVLVWLYD 7\$ XWL
XPD FDOoD GH SRVLFLRQDPHQWR QDV DWLYLGDGHV HP VDOD GH D
GDV QDV DWLYLGDGHV H[WUDFODVVH 7RGDYLD DSYV REVHUYDomR H
-VH TXH R UHFXUVR XWLOLJDGR HP VDOD GH DXOD QmR IDYRUHFLD R
QHP D PDQXWHQomR GD SRVWXUD VHQWDGD GHVPRWLYDQGR D FULD
GDV DWLYLGDGHV HVFRODUHVSRVIRQVSRXV XP PRELOLiULR DGDSW

352&(662 '(,17(59(1d-2 \$&203\$1+\$0(172

%XVFRX LGHQWLILFDU DV QHFHVVLGDGHV GH DSRLR GD HVWXGD
PHQWRV HVFXWD GRV SURILVLRQDLV GD HVFROD GH FRQVXOWRUHV
(', H GD PmH GD HVWXGDQWH DFHVVR D UHJLVWURV GD FULDQoD HC
FRV DYDOLDomR REVHUYDFLRQDO GD FULDQoD QD HVFROD SURSRVV
JHUDLV GD HVFROD

&XPSUH GHVWDFDU TXH HVWH WUDEDOKR DERUGD DSHQDV D F
ULR DGDSWDGR GHVHQYROYLGR SDUD SURSLFLDU HQYROYLPHQWR H
DWLYLGDGHV UHFUHDWLYDV GH VDOD GH DXOD HVSHFLDOPHQWH D G
ILFXOGDGH HP SDUWLFLSDU GHVVHV PRPHQWRV FRP LQGHSHQGrQFLD
YDORULJDQGR VXDV SRWHQFLDOLGDGHV

D 7RGRV RV QRPHV XWLOLJDGRV QHVWH WUDEDOKR VmR ILFWtFLRV
E 2 &(5 p XP SRQWR GH DWHQomR DPEXODWRULDO HVSHFLDOLJDGD H
FRQFHVVmR DGDSWDomR H PDQXWHQomR H HWHIRORRQJDDSDUDLWLYH
VD~GH QR WHUULWyULR %5\$6,/ S

)LJXUD 3RVLF LRQDPHQWR GH %HDWUL] QD DWLYLGDGH GH UR

\$)LJXUD PRVWUD TXH DOP GD SRVWXUD QmR IDYRUHFHU XPD SDU
HVWUDU GHLWDGD VHP PLUDU QRV ROKRV GRV FROHJDV H GD SURIHVV
GD URGD UHGX]LQGR VXD SDUWLFLSDomR 2V SURILVLRQDLV GD HVF
HQQHUDP TXH XPD FDGHLUD DGDSWDGD SDUD FRDEK mDRS R G HLRV SURFH
GH DSUHQGL]DJHP H LQWHUDomR

8P GRV PRGHORV TXH YHP VHQR XWLOL]DGR SDUD QRUWHDU D I
7HFQRORJLD \$VVLVWLVWDF RLRQGHORV RQ DQG TXHFQRORJDYDOLDU D S
GLVSRVLOmR DR XVR GH XPD WHFQRORJLD SHOD DQiOLVH GH IDWRUHV
XVXiULR RV IDWRUHV DPELHQWDLV H RV IDWRUHV HVSHFtILFRV GD W

&RP EDVH QRV SULQFtSLRV GHVWH PRGHOR IRUDP FRQVLGHUDGR
FRQVLGHUDQGR D PRWLYDomR DV KDELOLGDGHV SDUD R XVR H D SHU
DWXDO R DPELHQWH H DV FDUDFWHURV VPHLVRVGHDDWEDQDORRBLSDUySULD
PHQWDGD QRV SULQFtSLRV ELRPHFkQLFRV IRUDP DYDOLDGDV DV IXQ
DV KDELOLGDGHV PRWRUDV 1R-DYPER HQSDORRWHLFRR XR PRELOLiULR V
VLOmR QD VDOD GH DXOD H D SUHVHQoD GH SURILVLRQDO GH DSRLR
SDUD DTXLVLOmR GD WHFQRORJLD FRQVWUDUDU DJXUDQoD H D SHUV

\$ FRQVWUXomR GR HTXLSDPHQWR GHPDQGRX XP WUDEDOKR FROD
QD WRPDGD GH GHFLVmR RILFLQD GH DGHTXDomR SRVWXUDO HODER
PDWHULD LV LOXVWUDWLYRV VREUH D XWLOL]DomR GD WHFQRORJLD

5HDOL]RHXPD RILFLQD SDUD FDSDFLWUDU RV DWRUHV GD HVFROD
VREUH R XVR GR UHFxUVR EHP FRPR VREUH D WUDQVIHURQFLD H R S
DSDUDWR 3DUD R DFRPSDQKDPHQWR GDVVURVWUDU DPHV LXQWOL]DUDGR
QR IRUPDWR GH YtGHR H GH LPDJHQV D SDUWLU GRV UHJLVWURV G

\$ FRQVWUXomR GR UHFXUVR FRQWRX FRP R DSRLR GH XP PDUFH
HVWUXWXUD GH PDGHLUD GR DVVHQWR H HQFRVWR H GH XP VHUUDO
GRV DSRLRV ODWHUDLV 2V FRQVXOWRUHV IRUDP UHVSQRVYHLV SHO
SRPpWULFD HVWUXWXUDGD SHORV WHUDSHXWDV RFXSDFLRQDLV SDU
H DTXLVLomR GD HVSXPD HVWRIDPHQWR H UHYHVWLPHQWR GR PRELO
DSRLRV H DFHVVyULRV DSRLR ODWHUDO GH WURQFR FLQWRV SpOYL
\$V SURIHVVRUDMIGHGDSPRNLWLYR TXDQWR j XWLOLJDomR GR UHFXUVR
D HVWXGDQWH SDVVRX D SDUWLFLSDU GH IRUPD PDLV DWLYD QDV GL
FKmR VHPSUH DWHQWD H LQWHUDJLQGR FRP RV FROHJDV

'HSRLV GH FRQVWUXIGRSDWOLDU R PRELOLiULR DGDSWDGR M
SDUWLU GH XPD DWLYLGDGH SURSRVWD-SHHODQSDORLNDU/RWHDKBYUHWLHDQ
VLGDGH GH DSRLRV SDUD %HDWULJ SHUPDQHFHU VHQWDGD QR FKmR
DGHTXDGR H VH D DOWXUD GR PRELOLiULR GHYHULD VHU HOHYDGD
SRVWXUD ILFDVVH PDLV DGHTXDGD HP WHUPRV GH DOLQKDPHQWR EL

)LJXUD±\$YDOLDomR GR PRELOLiULR VHP HOHYDomR GH DOWX

'XUDQWH R XVR GR PRELOLiULR %HDWULJ SHUPDQHFHX DWHQWD
HVWDYD VHQR FRQWDGD GHPRQVWUDQGR VDWLVIDomR H HPLWLQGR
REVHUYDGR DQWHULRUPHQWH \$SHVDU GH FRQVHJXLU ROKDU WRGRV
JDV %HDWULJ VHQWDYD VREUH R VDFUR DXPHQWDQGR D UHWURYHU
ULVFRV GH SUHMxtJR GDV HVWUXWXUDV RVWHRPXVFXODUHV DOpP GH

3DUD PLQLPLJDU HVVD VLVXDDQWMOBYGRX FDGHLUD SRU PHLR
SQHX Mi GLVSRQtYHO QR SDUTXH GD HVFROD TXH SRVVXtD D DOWXUD
SHUQD GD IRVVD SRSotWHD DWp R FDOFkQHR YLVDQGR DYDOLDU VH
SpV DSRLDGRV QR FKmR ILFDULD PDLV DGHTXDGD

)LJXUD±\$YDOLDomR GR PRELOLiULR FRP HOHYDomR GH DOWXU

&RP R XVR GR SQHX IRL REVHUYDGR XP PHOKRU DOLQKDPHQWR
FR H PHPEURV LQIHULRUHV 1R HQWDQWR HVWD SRVWXUD HOHYRX %
GLPLQXLQGR R LQWHUHVH GD FULDQoD SHOD DWLYLGDGH DSUHVHQW
D FDEHoD DEDL[DGD-VUHF XSUDQGR FLSDU GD
DWLYLGDGH

2SWRMH SHOD XWLOL]DomR GD FDGHLUD VHP
D HOHYDomR GH DOWXUD TXH OKH SURSRUFLRQRX PDL
RU LQWHUHVH H SDUWLFLSDomR GHYLGR DR FRPSRUWD
PHQWR DSUHVHQWDGR SHOD FULDQoD GHPRQVWUDQGR
VXD SUHIHUrQFLD DOpP GD JDUDQWLD GD SURIHVVRUD
GH TXH R WHPSR GH SHUPDQrQFLD QD SRVWXUD VH
ULD GH DSUR[LPDGDPHQWH WULQWD PLQXWRV 2 XVR
GR PRELOLiULR H R SRVFLRQDPHQWR QD HVFROD IR
UDP LQIRUPDGRV DR ILVLRWHUDSHXWD GD FULDQoD
YLVDQGR JDUDQWLU D PRQLWRUL]DomR H LQWHUYHQomR
QD PXVFXODWXUD SpOYLFD H QRV PHPEURV LQIHULR
UHV 2 PRELOLiULR DGDSWDGR IRL HQWUHJXH j HVFROD
RV HGXFDGRUHV UHFHEHUDP WUHLQDPHQWR SDUD R
XVR H IRL VROLFLWDGR TXH D SURIHVVRUD H D SURILVVL
RQDOGH DSRLR UHJLVWDMHP SRUP HIRGHIRRVH
YtGHRV R XVR \$SyV DQiOLVH GRV UHJLVWURV SHORV
SURILVVLQRDLV GR &VH TXHU DIISRXXWXUD
GH %HDWUL] QmR HVWDYD DGHTXDGD H TXH R PRELOL
iURQRHMDYD DX[LDDGR GHIRUP DEHP-
VXFHGLGD D VXD SDUWLFLSDomR HVFRODU

)LJXUD±\$FRPSDQKDPHQWR GR XVR GR PRELO

(VWD SUIWLF D UHYHOD R TXDQWR D FRQVWLWXLOmR GH XPD UHG
MiyHO HQWUH RV SURILVVLRQDLV GDV iUHDV GD HGXFDoM R H GD VD-
QKR HGXFDFLRQDO H RFXSDFLRQDO DV KDELOLGDGHV GD HVWXGDQW
FROD 6RFD LVVR R IDWR GH TXH RV SURIHVVURUHV SRGHP QmR SRVV
ELOLGDGHV HVSHFtILFDV VREUH 7\$ HP IXQomR GD DWXDOLGDGH GHV
HGXFDoM UHIRUoDQGR D QHFHVVLGDGH GH DSRLR GH SURILVVLRQD
iUHD DWXDQGR GH IRUPD SHUPDQHQRH QR HVSDoR HGXFDFLRQDO

3DUD D LPSOHPHQWDoM R GH UHFUXVVRV GH 7\$RFRQVWLWXLOmR UHF
FRPELQDoM R GH IDWRUH V GR LQGLYtGXR H GD WHFQRORJLD FRP EDV
RULHQWHP D SUIWLF D SURILVVLRQDO 2FRQVWLWXLOmR HVVH
HVWXGR WHP VLGR R PDLV UHIHUHQFLDGR SHOD OLWHUDWXUD FRQV
o}HV H FDUDFWHUtVWLF DV GD WHFQRORJLD IDWRUH V VRFLDLV H DPE
IDWRUH V SHVVRDLV H SVLFRVVRFLD IDWRUH V GR HVVH GR GHOR H SRU PHLR
GHVWD SUIWLF D R WHUDSHXWD RFXSDFLRQDO YHP VH PRVWUDQGR X
SDUD FRPSRU HVVD HTXLSH GH WUDEDOKR QR DPELHQWH HVFRODU

2V DFKDGRV GHVWD SUIWLF D LQGLFDP DLQGD TXH R PRELOLiUL
HVWXGDQWH XP PHOKRU DOLQKDPHQWR H HVWDELOLGDGH SRVWXUDO
SDUWLFLSDU GDV DWLYLGDGHV HVFRODUHV D QDUPHQV D QRR 7\$RFRQVWLWXLOmR
VHXV FROHJDV IDYRUHFHQGR D LQWHUDomR FRP D SURHHVVRD H SD
PDLV DWHQWD jV DWLYLGDGHV H DRV FRPDQGRV GD SURIHVVURUD \$VV
QkQFLD GHVVHV DVSHFWRV FRP DTXLOR TXH D OLWHUDWXUD GD iUHD
SDUD XP PRELOLiULR DGDSW DGRHGHVW DGRH GR UHFUXVR FRQIHFFLR

'HVWDFD D RULJLQDOLGDGH GR PRELOLiULR VREUHWXGR SRU WH
XPD GHPDQGD GH SDUWLFLSDomR FROHWLYD QR FRQWH[WR GD (GXFD
GD 7\$ WRUQD DV DWLYLGDGHV HVFRODUHV DFHVVtYHLV SDUD DV FULD
DSRLD-QRQR SURFHVV R GH HVFRODUL]DoM R

\$OpP GHVV DV TXHVW}HV HVSHFtILFDV DGR 7\$RFRQVWLWXLOmR GH DSUHQ
JHP GH WRGRV RV HQYROYLGRV 2V FRQVXOWRUHV WDPEpP WLYHUDP
UDU FRP VLWXDo}HV QRYDV VREUH DV TXDLV DLQGD QmR KDYLDP SHQ
ODULGDGHV GDV GHPDQGDV IXQFLRQDLV TXH Vy VXUJHP FRP D REVHU
VHPHQKR QR SUySULR FRQWH[WR

1HVVD H[SHULrQFLD IRL FODUD D VHQVLELOL]DoM R GDV SURIL
SHFWRV GD SDUWLFLSDomR H GR LQWHUHVH GH %HDWUL] QDV DWLY
DFRQWHFLDP \$ SULQFtSLR D SUHFRXSDoM R FRP R DOLQKDPHQWR EL
WH H SDXWDYDP DV GHFLV}HV DFHUF D SUHVFULomR H DGDSWDoM R
VHUHP FRQIURQWDGDV FRP D VLWXDoM R UHDO GH XWLOL]DoM R GR UH
H[SUHVLYD SURGX]LQGR VRQV HPLWLQGR VRUULVRV GLUHFLRQDQ
WR GH %HDWUL] TXDQWR GH VHXVDFR SHUJDLFLSDULGDQGR DWLYLGDGH R
PDWHULDLV DR HVWDUHP QD PHVPD SRVWXUD H DOWXUD DV FRQVXO
FRQFHLWRV DQWHV SDXWDGRV QR DOLQKDPHQWR ELRPHFKQLFR H SUH
VD IRUPD \$VQVPR HVWUDWpJLDV TXH QmR WURX[HVVHP JUDQGHV SUH
YLVWD PRWRU PDV TXH IDYRUHFHVHP R GHVHPHQKR GD HVWXGDQW
GDV DWLYLGDGHV GH VDOD GH DXOD

&RP LVVR S-HUHF H R SURFHVVR FRODERUDWLYR p GH IDWR XP
SOD HP TXH WRGRV VH EHQHILFLDP SHOD SRVVLELOLGDGH GH GHVHC
RQDO P HGLDGR SHOD LQMLD} HV GHP RFU WFDV HVMH RV SDUHV SDUD D VROmR GH SUREOP DV
GD SUIWLFD FRPR Mi GHVFULWR SRUE LFLSDHQRD VW)DWDBRUSD RU 0HQGH
0HQGHV \$OPHLGD H'FXRORGD &DOKHLURSDUWLU GD YDORUL]DomR GRV I
SHVVRDLV H SVLFRVVRFLDLV GD HVWXGDQWH GDV QHFHVVLGDGHV GF
o}HV GRV WHUDSHXWDV RFXSDFLRQDLV

6E17(6('(&216,'(5\$d@(6

\$ LQWHUYHQomR UHDOLJDGD SHOD UHGH GH DSRLR FRODERUDWL
PRELOLiULR DGDSWDGR HYLGHQFLD D HIHWLYD FRQWULEXLomR GR WH
FLSDomR GD HVWXGDQWH FRP SDUDOLVLD FHUHEUDO QDV DWLYLGDGH
LQIDQWLO

2 WUDEDOKR FRODERUDWLYR SRVVLELOLWRX D SDUWLFLSDomR G
SDUWLOKDPHQWR GH VDEHUHV H D VHQVLELOL]DomR SDUD R XVR GD
GH DEDQGRQR GR PRELOLiULR- \$HHTSW\$HQDRVMVROXomR GR SUREOHPD
WH[WR UHDO GD HVWXGDQWH

&RQVLGHUFRPR IDWRU OLPLWDQWH D IDOWD GH DFRPSDQKDPHQV
ULyGLFR QR XVR GD 7\$ SDUD GLVFXVVMR GD HIHWLYLGDGH GR HTXLSI

(VWD H[SHULrQFLD SRGHUI IRUWDOHFHU XP FDPSR GH DWXDomR
RFXSDFLRQDO LQVWLJDQGR R GHVHQYROYLPHQWR GH Do}HV FRODER
SHXWDV RFXSDFLRQDLV MXQWR D FULDQoDV FRP GHVRUGHQV QHXURP
QDO

5HIHUrQFLDV

&DOKHLURMGGH GH DSRLR j HVFRODUL]DomR LQFOXVLYD GH XPD HVW
SDUDOLVLD FHUHEUDO OLPLWHV 7H\$R@VLELRO&DUORV LGDGH)HGHUDC
GH 6mR &DUORV 1R SUHOR

\$OYHV \$&- 0DWVVRN\$HDFV WHyULFRV SDUD LQGLFDomR H LPSOHPHC
WHFQRORJLD DV&DQWURV %UDVLOHLURV GH 7HUDSLD 2FXSDFLRQDO

&DOKHLURV '& 0HQGHV (* &RQVHQHROD}HV DFHUFD GD 7HFQRORJLD
VLVWLYD QR FHQiULR HGXFDFLRQDOVHVDVGDVGHORR (VSHFLDO 6DQWD

3LRYH]DQQL 0\$7 5RFKD \$1'& %ULFFFLD COLP/RBLOLiULR HVFRODU DG
GRGH EDL[R FXVWR QR GHVHPHQKR IXQFLRQDO GH FULDQoD FRP SDU
(GXFDomR (VSHFLDO 6DQWD 0DULD

5RFKD \$1'& 'HOLE#HEDORRDVLDLVWLYD SDUD D FULDQoD FRP SDUDO
QD HVFROD LGHQWLILFDomR GDV QHFHVVLGDGHV 5HYLVWD %UDVLOH

,ELDSLQD ,0/0)HUS\$SHUDX16VD FRODERUDWLYD QD SHUVSHFWLYD V
KLVWYUVEQJXDJHQV (GXFDomR H 6RFLHGDGH 7HUH'LVVSDRQtYHO
HP KWWS ZZZ XISL EU VXEVLWH)LOHV SSJHG DUTXLYRV ILOHV 5HYLV
SGI

,ELDSLQD 30/10TXLVD FRODERUDWLYD LQYHVWLJDomR IRUPDomR H S
QKHFLPHQWVtOLD /tEHU /LYUR (GLWRUD 6pULH 3HVTXLVD

0HQGHV,QFOXVmR HVFRODU FRP FRODERUDomR XQLQGR FRQKHFLP
WLYDV H KDELOLGDGHV SQRIDVWRQDL\$50 3LUHV - 3LUHV *1/ 3ROtW
FDV (GXFDFLRQDLV ,QFOXVLYDV 1DWD ('8)51 S

0HQGHV (* \$OPHLGD 0\$ 70RFDomR HVFRODU SHOD YLD GD FRODER
WUH HGXFDomR HVSHFLDO H HGXGfD HFFFDLVWD &XULWLED

'RXQLV \$WLYLGDGH GRFHQWH H LQFOXVmR DV PHGLD}HV GD FRQV
UDWLYDLVVHUWDomR @ \$ODJRDV 8QLYHUVLGDGH)HGHUDO GH \$ODJRD

&DOKHLUR&RQXOWRULD FRODERUDWLYD j GLVWkQFLD HP WHFQROR
SURIHVVRUHV GH VDODV GH UHFVURV'EXOMLWQFLR@DOLYR &DUORV
VLGDGH)HGHUDO GH 6mR &DUORV

2 PDQXVFULWR p SDUWH GD SHVTXLVD GH GRXWRUDGR 35HG GH DSRLR j HVFRODULJD
GRV OLPLWHV jV SRGVLHLDLFDYGHV SRU 'DYLGRV 6DQWRV &DOKHLURDomR HPRJUDP
(GXFDomR (VSHFLDO GD 8QLYHUVLGDGH)HGHUDO GH 6mR &DUORV 1mR FRQWRX FRP IR
GHVVH WUDEDOKR IRL DSUHVHQWDGR QR ;9 &RQJUHVV %UDVLOHLUR GH 7HUDSLD 2FX

\$JUDGHFLPHQWVtOLD FUHWLUD 0XQLFLSDO GH (GXFDomR GH 0DFHly \$/ DR &HQWUR (VSHF
8QLYHUVLGDGH (VWDGXDO GH &LrQFLDV GD 6D~GH GH \$ODJRDV H DR 1~FOHR GH (VWXG

&RQWULEXlomR GRVDCMRBHVDXWRUHV WUDEDOKDUDP GHVGH D FRQFHSomR GR WH[WR
JR

\$UWLJR UHFHELGR HP

\$UWLJR DSURYDGR HP

\$UWLJR SXEOLFDGR HP