

The Effect of a Vocal Loading Task on Vocal Function Before and After 24 Hours of Thickened Liquid Use

Mary Gorham-Rowan Alyson Berndt Matthew Carter DOG Richard Morris

9DOGRVWD 6WDWH 8QLYHUVLW\ 1 3DWWHUVRQ 6W 9DOGRVWD *HRUJLD

8QLYHUVLW\ +RVSLWDO \$XJXVWD *\$

)ORULGD 6WDWH 8QLYHUVLW\ : &ROOHJH \$YHQXH 7DOODKDVVHH)ORULGD

Corresponding author ODU\ *RUKDP 5RZDQ +6%& 'HSDUWPHQW RI &RPPXQLFDWLRO 6FLHQFHV DOG
7HO [PPJRURDPOZRZDQ#YDOGRVWD HGX](#)

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Copyright: *RUKDP 5RZDQ O HW DO 7KLV LV DO RSHQ DFFHVV DUWLFOH GLVWULEXWHG XQG
XQUHVWULFWHG XVH GLVWULEXWLRO DOG UHSURGXFWLRO LQ DQ\ PHGLXP SURYLGHG WKH RUL

Abstract

Objective: 7R GHWHUPLQH WKH

0HWKRGV

ORDGLQJ ZDV IRXQG IRU S' RU 1+5
) S' 6LPLODUO\ VWKLUFDZDW QR
 PDLQVHRW YRFDO ORDGLQJ XSRQ DQ\ RI WKH DFRXVWLF RU FHSVWUDO
 SDUDPHWHUV REWDLQHG GXULQJ FRQQHFWHG VSHHFK > 6)))
 S ' 5//) 'S &33
) S' / + 5DWLR) S
 ' @

Participant	Age	Sex	BMI	Pre USG (g/ml)	Post USG (g/ml)
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)			
		o			
		o			
)			
)			

9HUGROLQL . 7LW]H ,5)HQQHOO \$ HvRUWHSBQGNDCRIS\$SKRODFWNU\, /HSS:QHQ . 9LO
RQ K\GUDWLRQ OHYHO - 6SHHFK +HDU 5HV PHDVXUHV DQG VHOI UHSRUWV RI YRFDO IDV
)LVKHU .9 /LJRQ - 6REHFNV -/ 5R/HFRV 3KRQDWRU\
ERGXLGHPRYDO - 6SHHFK /DQJ +HDU 5HV /DXNNDQHQ \$0 .DQNDUH (9RFDO ORDG
9HUGROLQL . 0LQ < 7LW]H ,5 /HPNH - %URYHDFKHWVDOYRLFHV%LQDHWLZBUNLQJEIRUH
PHFKDQLVPV XQGHUO\LQJ YRLFH FKDQJHV GXRQRDGHKUBSVLQR - 6SHHFK /DQJ
+HDU 5HV -uQVGRWWLU 9 /DXNNDQHQ \$0 9LONPDQ (9RFDO ORDG
6RORPRQIDJH /(\$UQROG 55 YDQVHFUWEDUJYSHHFK GXULQJ D ZRUNLQJ GD\ ZLWK DQ
YRFDOO\ IDWLJXLQJ WDVN DQG V\VVHPLF K\BQWLFUWLFQ3KROLVLFHJRJR9RLFH
SUPVWURQJ 5% 0HFKDQLVPV RI H\HUF
9HUGROLQL 0DUVWRQ . 6DQGDJFM 0K\GUDJMLRQ VFXODU VRUHQHVV D EULHI UHYLHZ 0HG
WUHDWPHQWV RQ ODU\QJHDO QRGXOHV DQG)SRONSIV/DSZDGDWHEUYKDPFBRZDDVUBRUUL
9RLFH RI IDWLJXH GHOD\HG RQVHW PXVFOH VRUH
*RUKDP 5RZDQ 0 &RVWRQ - \$QDO\VLPHDRXUHSRHFVODLQXBYHQQWKURVPSXFNEDU H
SDWKRORJ\ JUDGXDWH VWXGHQWVdHUGHWLHGVFHPXODVWRQFQQHGV505KLGROQV\QJRO
\$OOLHG +HDOWK 6FL 3UDF DUWLFOH)RZOHU / *RUKDP 5RZDQ 0 +DSQHU (5
6LOYD 53 0%QGHO 7 \$OWR« -/ 6DOGDQKD YRLFHUFQDUBDVRVLDWHG ZLWK KHDOWK\
3UHH[HUFLW\$HFKUJEDYHLW\XIDGGWDNH GXULQJ RQHFKRXLFDQ VWLFXODWLRQ WR ODU\QJHDO
UXQQLQJ LQ D WKHUPRQHFWUDO HQYLURQPHQWKSUBSGBRQLHGRZORUV/RYSBQHWXG\ \$
- 6SRUWV 6FL 0HG FKDQJH LQ GRUPDO VSHDNHUV IROORZLQ
&DVD '- 6WHDUQV 5/ /RSHJ 50 *DQLR 06 0FVLPXODVWRQVWRHVS\$HOD5HODD0 DUHD
,Q~XHRFK\GUDWLRQ RQ SK\VLRRJLFDQ IXQFMLRQYDQJSSHPDPRDQDQGH<GXXIEDUW (<DLQD
WUDLO UXQQLQJ LQ WKH KHDW - \$WKO 7UDLQK\GUDWLRQ DPRQJ ORQJ WHUP FDUH HOGH
*RUKDP 5RZDQ 0 :DJJHQUH * 0RUULV 5)RZGMSKDJLD %HRRQVDFRWDWH
OHYHOV DVVRFLDWHG ZLWK QHXURPVVFXODRISHPDPRDQDQGH<GXXIEDUW (<DLQD
ODU\QJHDO DUHD 3DSHU SUHVHQWHG DW WIKHVLGWRV\$QDQXKQPHLFWU6\PSRVRXQLW\ 1XUV
&DUH RI WKH 3URIHVVLRRQDO 9RLFH 6LYDQDQDU 0)LVKHU .9 2UDO EUHDW
/DJRULR /\$ &DUQDE\ 0DQQ *' &UDU\ 0\$ 7UHDWPHQW RI YRFDO
IROG ERZLQJ XVLQJ QHXURPVVFXODU HOHFWULFDQ VWLFXODWLRQ \$UFK
2WRODU\QJRO +HDG 1HFN 6XUJ
/DXNNDQHQ \$0 -!UYLQHQ 0 \$UWNRVL 7 :DDUDPDD 0!NL .XOPDOD 7
.DQNDUH (HW DO &KDQJHV LQ YRLFH DQG VXEMHFWLYH VHQVDWLRQV
GXULQJ D PLQXWH YRFDO ORDGLQJ WHVW LQ IHPDOH VXEMHFWV ZLWK YRFDO
WUDLQLQJ)ROLD 3KRQ /RJRS