

Functional Endoscopic Evaluation of Swallowing (FEES) and Its Correlation with Body Mass Index (BMI) in Elderly

8Y@]aU'5' jUfYb[U'9< z'5VfU\~c'Az'8U'0C[']c'; D'UbX'<UXXUX'@

'HSDUWPHQW\RI 2WRODU\QJRORJ\ +HDG DQG 1HFN 6XUJHU\ 6FFRQRR\HGF\LBH)HGHUDG 8QLYHUVLW\;
7cffYgdcX]b[U'ib'f.1 (OLp]LD +HOHQD GH /LPD \$OYDUHQJD 'HSDUWPHQW RI 2WRODU\QJRORJ\ +HDG DQG 1HF
3DXOR 5XD &RQVHOKHLUR %URWHUR 6mR 3DXOR 6mR 3DXOR &(3 %UD]LO 7HO
HOLH]LD DOYDUHQJD#WHUUD FRP EU

FYWY]jYX'XUHY.' 'HFHPEHU 5WYdYX'XUHY.' -DQXDU\ DiV]g\YX'XUHY.' -DQXDU\

7cdfm][\h.' < 'H /LPD \$OYDUHQJD (+ HW DO 7KLV LV DQ RSHQ DFFHVV DUWLFOH GLVWULEXWHG XQGHU WK
XQUHVWULFWHG XVH GLVWULEXWLRQ DQG UHSURGXFWLRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO DX

5VghfUWh

VXVSHFWHG SKDU\QJHDO G\VSKDJJ
GHPRQVWUDGHG WKDW)((6 LV D V

CV'YWh]jY. (YDOXDWH DQG FRUOHODWH WKH VR RDUFWHUHQWULFWLRQ DQRVSDORRBLF
LQVWLWXWLRQDOLJHG HOGHUO\ LQGLYLGXDOV DQG ROGHU DGXOWV

AYh\cX. &URVV VHFWRQRDO VWXG\ FRPSRVHG RI LQVWLWXWLRQDOLJHG *, DQG
ZKR IHG RUDOO\ DJHG RYHU VH[DQG DJH PDWFKHG 7KH\ ZHUH VXEPLWWHG V
VZDOORZLQJ)((6 DQG FODVVLILHG DFFRUGLQJ WR %0, DV XQGHUZHLJKW KHDOWK
ZLWK VWURNH VHTXHODH DQWHFHGHQWV RI KHDG DQG QHFN VXUJHU\ DQG UDGLRV

FYgi`hg. 1LQHWHHQ IHPDOHV DQG PDOHV \HDUV DYHUDJH)((6 ILQGLQ
LQGLYLGXDOV ODU\QJHDO SHQHWUDWLRQ LQ DVSLUDWLRQ LQ
G DI—G6i4',dG6i46f 7G 6IP 5gQ\$— 5gQ\$— ETQF'R DI—G pxDI—G V•G q™—Är b Dr cq`pw fd•Di% d•LG 6IP G6i
DQG ULVN RI SQHXPRQLD)XQFWLRQDO (QGRVFRSLF (YDOXDWLRQ RI
6ZDOORZLQJ)((6 LV WKH SULPDU\ SURFHGXUH GRQH RQ SDWLHQWV ZLWK

6XEMHFWV ZHUH VXEPLWWHG WR)((6 XVLQJ WKH /DQJPRUH WHFKQLTXH > @
ZLWK ~~PGKFDWLRQV@~~)((6 ZDV FKRVHQ DV D GLDJQRVWLF
WRRO EHFDXVH WKH DVVHVVPHQW ZDV GRQH RXWVLGH D PHGLFDO IDFLOLW\ DQG
UHVXOWV DUH FRQVLGHUHG VWDQGDUG RI FDUH ZLWK DQ HTXLYDOHQW VHQVLWL

&LXFFL-RQHV &\$ 0DODQGUDNL *\$ +XWFKHV/DQJPRUH '\VSKDJLD VFRSLF HYDOXDWLRQ R
SUDFWLFH LQ ~XRURHURFBCVFNHQHU DQG SHOHFWURFDVZDOORZLQJ *, 0RWLOLW\
VWLPXODWLRQ 6HPLQ 6SHHFK /DQJ /DQJPRUH 6FKDW] . 2OVRQ 1 (QQ
(LEOLQJ&R\OH -/ '\VSKDJLD LQ WKH HOGHU\XRURHURFBCVFNHQHU RI VZDOORZLQJ DO
0XUU\ 7 +RZHOO 5- HGV &RPSUHKHQVLYH5HIDDFQJHQBHQWRQ VZDOORZLQJ
GLVRUGHUV 3OXUDO 3XEOLVKLQJ 6DQ 'LHJR\XSD\ - /DQJPRUH 6(*LQVEHUVUJQL)RQVEH
GH /LPD \$OYDUHQJD (+ 'DOO 2JOLR *3 0XUDQFX\XO\$WUDKFRURSKDU\QJHDO VHFUHWLRQ
&RQWLQXXP WKHRU\ 3UHVE\SKDJLD WR G\VSUDGLDFW\KQJFV\BQDDWLRQHV\VP\$HQLDI
VZDOORZLQJ LQ WKH HOGHUO\ (XU \$UFK 2W\$WKHQR\Q\&LFR HUR -\$ 3K\VLRRRJLFD
&UDW\$ *URKHU 0(,QWURGXFWRQ WR DGXOW VZDOORZLQJ
GLVRUGHUV %XWWHUZRUK +HLQHPDQQ 3KLODGHOSKLD
1H\ '0 :HLVV -0 .LQG \$- 5REELQV - 6HQHVFHQW VZDOORZLQJ
,PSDFW VWUDWHJLHV DQG LQWHUYHQWLRQV 1XWU &OLQ 3UDFW
:RUOGWKDQJDQL]DWLRQ 2EHVLW\ 3UHWHQWLRQJ DQG PDQDJLQJ WKH
JOREDO HSLGHPLF
/DQJPRUH +LVWRURSHQGRVFRSLF HYDOXDWLRQ RI
VZDOORZLQJ IRU HYDOXDWLRQ DQG PDQDJHPHQW RI SKDU\QJHDO G\VSKDJLD
&KDQJHV RYHU WKH \HDU '\VSKDJLD
/HG% 6DVDNL &7 %XUUHOO 0,)LEHURSWLF HQGRVFRSLF HYDOXDWLRQ
RI G\VSKDJLD WR LGHQWL\ VLOHQW DVSLUDWLRQ '\VSKDJLD
/DQJPRUH 6FKDW] . 2OVRQ 1 (QGRVFRSLF DQG
YLGHR~XRURHURFBCVFNHQHU RI VZDOORZLQJ DQG DVSLUDWLRQ \$QQ 2WRO
5KLQRO /DU\QJRO
/DQJPRUH 6FKDW] . 2OVHQ 1)LEHURSWLF HQGRVFRSLF
H[DPLQDWLRQ RI VZDOORZLQJ VDIHW\ \$ QHZ SURFHGXUH '\VSKDJLD

/DQJPRUHSHUSHQQLQJ 06 6FKRUN \$ &KHQ < 0XUUD\ -7 HW DO
3UHGLFWRUV RI DVSLUDWLRQ SQHXPRQLD +RZ LPSRUWDQW LV G\VSKDJLD"
'\VSKDJLD