

!"###\$%&\$' %()*(+,-*+.\$/.01(*23.-4\$
5.-/\$6&,0/*0.\$-/, (7,&7-\$8%&\$,--.--*(9\$7:-61,9*,\$(\$1*91\$&*-;\$01*7&.(\$

6;<<2* 1 2%3"450^ 1 2=;>;k?;* 1 39k)k3:*
1 7!>7@3*AB*!2?=-k=2);<*

C?kD;%<k)\$*"E*F ;<);%?G?)2%k"##@3("">*E*!" I I 4?k32)k"?*@3k;?3;<*2?=*J k<"%=;%<*

*

6(;*E">>"Kk?'*%;Dk;K*;52 I k?;=*)(;*#4L>k(<;=*;Dk=;?3;*E"*L;<)M##23)k3;*<2?=-2%=<k?%*%' 2%=<*
)"*)(;* 2<<<I ;?)* "E* =\$<#(2' k2* k? 3(k=&=%;?* 2)* (k'(M%k<:* E"* E; ;=k?' * 2?=* <K2>>"Kk?' *
& I #2k% I ;?)<7*N*>k);%2)4%;* <;2%3(* "E* ;>3)"?k3*=2)2L2<;<*%;<4>;=*k?*;k'()<4=k;<*)(2)* I ;)*
&?3>4<k"?* 3k);%k27* @)4=\$* =;<k' ?<k?3>4=;=*)(%; ;* <\$<); I 2)k3* %;Dk;K<

Based on the study design and weaknesses in their described methods of research, this review provides equivocal evidence to support the use of VFSS over other clinical swallowing assessments in children.

! , (\$ E. (\$ F (9.<)G%. ; \$./ \$, >H\$?@ABID\$ 3" ?=43); =* 2*
>k); %2)4%; *%; Dk; K* Kk)(*) (; * #4%# " < ; < " E* . T* #% " Dk=k? ' * 2? *
" D; %Dk; K* " E*) (; * = " 34 I ; ?); =* # ; =k2) %k3* E ; ; =k? ' * 2? =*
<K2>>" Kk? ' * #% " L; I <0*

Q_ JN6T*2<*2*)">*)"*=,);% I &?;*);&">" '\$*E*=\$<#(2' &2*
k? 3 (k=>%;?* Kk)(* 3 ;%;L%2>* #2<\$* Q ! BT7* 6 (; * _ JN6* k<* 2*
<K2>>"Kk? ' * 2<<;<<I ; ?)* k?D">Dk? ' *) (; * 4<; * "E* <4%E23 ; *
>;3)" = ; <0* 2* #%; <<4%; *)%2?<=43 ; %* 2? = * 2* I k3%"# (" ? ; * k? *
"% = ; % *) " * ' 2) (; % * <\$?3 (" ? " 4<* % ; 3 " % = k ? ' <* "E* E ; ; = k ? ' M
% ; <#k%2)"% \$ #2) ; % ? <7* 6 (% " 4 ' (*) (; * _ JN60* 3>k?k3k2?<32? *
'L)2k? *) (; *) k I k? ' * "E* "%2>* 2? = * # (2%\$? ' ; 2>* <2' ; <* "E*
<K2>>"Kk? ' * 2? = * 3" I #2% ; *) (; I *) "% ; <#k%2)"% \$ % ; <# " ? <; <7*
6 (; * _ JN6* K2<* 2= I k? k <; % ; = *) " * , - *) \$ #k32>>\$ * = ; D ; >" #k? ' *
#2%)&3k#2?)<* K (" * K ; % ; % ; 3%4k) ; = * E% " I * E2 I k>k ; <* "%*E%k ; ? = <*
"E*) (; * 24) (" % <7* _ 23 (* #2%)&3k#2?) * % ; 3 ; kD ; = * 2##" 5k I 2) ; >\$*
, 7] * I A * "E*) (k? * E>4k = * L\$ * <# " " ? * E " % * . - * 3 " ? <; 34) kD ; *) % k2 <7*
S " % * ; 23 (* #2%)&3k#2?) 0 * ? " % I 2> * "% * 2L? " % I 2> * E4?3) k " ? * k? *
> 23 (* <2' ; * "E* <K2>>" Kk? ' * K2<* = " 34 I ; ?) ; = * 2? = * 3" I I " ? *
324<; <* "E* k I #2k% I ; ?)* E "% * ; 23 (* # (2<; * K ; % ; * 3 " ? <k = ; % ; = 7*
6 (; * _ JN6* = 2) 2* "E*) (; * , - *) \$ #k32>>\$ * = ; D ; >" #k? ' *
#2%)&3k#2?)<* K2<*) (; * 3" I #2% ; = *) "% ;) % " <# ; 3) kD ; * = 2) 2* "E*
. , X * = \$ <# (2 ' k3* 3 (k=>%; ? * Kk) (* ! B * K (" * 4? = ; % K ; ?) (; *
<2 I ; * _ JN6* #%" 3 ; = 4% ; % k? * . // Z7**
*

Y? * 3" I #2% k < " ? *) " *) (; * , - *) \$ #k32>>\$ * = ; D ; >" #k? ' * <4LP ; 3) <0*
Ek? = k? ' <* E% " I *) (; * _ JN6* % ; # " %) <* "E*) (; * . , X * = \$ <# (2 ' k3*
#2%)&3k#2?)<* Kk) (* ! B * = ; I " ? <2) ; = * . T * 2? * k I #2k% ; = *
2?)&3k#2)"% \$ # (2<; * k? * ad [* "E*) (; * 3 (k=>%; ? U * , T * k? 3" I #>;) ; *

*

#.&.δ =&-<,(H\$

?@ABRD*3"?=43);=*2*Kk)(k?M'"4#<4=\$)"*
k?D;<)k'2);*(;2Lk>k)\$*"E*)(;#;=#k2)%k3*D;%<k"?*"E*)(;
_2)k?'*N<<;<<I;?)^6"">M.-*QB_JYM_N6M.-T^)"*k=;?)kE\$
2<#k%2)k"?*k?^3(k>=%;?*Kk)(*?;4%">"'k32>*kI#2k%I;?)<7^
6K"* (4?=%;=*2?=#E&E)\$ME"4%*3(k>=%;?*Kk)(*?;4%">"'k32>*
=k<"%=%<?2?=#" <<kL>;* <K2>>"Kk?'*kI#2k%I;?)<^K;%;
k?3>4=;=#k?^*)(; <4=\$7^N';<*"E*)(;#2%)k3k#2?)<^k2?'';=
L;K;?;* .d^ I"?)(<^ 2?=# .d^ \$;2%<7^ S">>"Kk?'*)(
3" I#>;k"?*"E*)(;^B_JYM_N6M.-*L\$*)(;#2%;?)<*"E";23(
#2%)k3k#2?)0*2^)%2k?;=*)(;2#k<^2?=#k2=k">"'k<^#;%E"%I;=
2*RS@@"?";23(*#2%)k3k#2?)7^6(;*B;?;)%2)k"?MN<#k%2)k"?
@32>;* QBN@T^ K2<^ 4<;=*)" =;)%I&?;*)(<^ >;D;>* "E"
#;?;)%2)k"?2?=#2<#k%2)k"?0*2?=#;23(*"E*)(;#2%)k3k#2?)<V^
<3"%;<^K;%;*3" I#2%;=#)"*(;k%B_JYM_N6M.-*%2)k? '<7^
6(;*)(;2#k<<^3"?=43)k?')(*;RS@<^K;%;*Lk?=#;=)"*
(;^B_JYM_N6M.-* <3"%;<7^ J;<3%k#)&D;* <2)k<^k3<^K;%;
32>34>2);=*Kk)(;^Yf 1 M@B@0^K(k;^k?)2M^Q-7//T^2?=#
k?);%M%2);%* %;>k2Lk>k)\$^Q-7/aM

