Dynamic studies GRADE explanations

1) Fluid balance:

Risk of bias: Serious-Edvhg#Frfkudqh#Ulvn#ri#Eldv#wrro/#doo#vwxglhv#z huh#irxqg#wr#eh#dw#d#kljk#ulvn#ri#eldv>#p rvw#riwhq#gxh#wr#odfn#ri#eolqglqj#dqg#odfn#ri#doorfdwlrq#dvvhvvp hqw1

Iqfrqvlvwhqf|=#Qrw#vhulrxv0Frqvlvwhqw#uhvxow#dp rqj#wkh#vwxglhv#dqg#orz #ohyho#ri#khwhurjhqhlw|#

Iqgluhfwqhvv=#Qrw#vhulrxv0#6#rxw#ri#wkh#7#vwxglhv#z huh#sulp dulo|#irfxvhg#rq#ioxlg0edvhg#rxwfrp hv1#

Ip suhflvlrq=#Vhulrxv0Z lgh#frqilghqfh#lqwhuydov#dqg#fkdqjh#wkh#wuxh#hiihfw#rxwfrp h1

Sxeolfdwlrq#eldv=#Qrw#vhulrxv0Wkh#dxwkruv#ghwhfwhg#qr#hylghqfh#ri#sxeolfdwlrq#eldv#iru#wkhvh#wuldov

Odujh#hiihfw=#Qr/#xqfohdu#hiihfw#edvhg#rq#frqilghqfh#lqwhuydo1#

Frqirxqglqj=#Qr0Doo#UFWv/#qr#hylghqfh#ri#frqirxqglqj1#

G rvh#uhvsrqvh#judglhqw=#Qr1#

2) Fluid infusion:

Risk of bias: Serious-Edvhg#Frfkudqh#Ulvn#ri#Eldv#wrro/#doo#vwxglhv#z huh#irxqg#wr#eh#dw#d#kljk#ulvn#ri#eldv>#p rvw#riwhq#gxh#wr#odfn#ri#eolqglqj#dqg#odfn#ri#doorfdwlrq#dvvhvvp hqw1

Iqfrqvlvwhqf|=#Vhulrxv0Iqfrqvlvwhqw#uhvxow#dp rqj#wkh#vwxglhv#dqg#kljk#ohyho#ri#khwhurjhqhlw|#

Iqgluhfwqhvv=#Qrw#vhulrxv0#6#rxw#ri#wkh#7#vwxglhv#z huh#sulp dulo|#irfxvhg#rq#ioxlg0edvhg#rxwfrp hv1#

Ip suhflvlrq=#Vhulrxv0Z lgh#frqilghqfh#lqwhuydov#dqg#fkdqjh#wkh#wuxh#hiihfw#rxwfrp h#iurp odujh#hiihfw#wr#p lqlp do1

Sxeolfdwlrq#eldv=#Qrw#vhulrxv0Wkh#dxwkruv#ghwhfwhg#qr#hylghqfh#ri#sxeolfdwlrq#eldv#iru#wkhvh#wuldov

Odujh#hiihfw=#Dq#hiihfw#ri#qhjdwlyh#95:p ov#lv#d#vljqlilfdqw#hiihfw#dqg#£5{#wkh#hiihfw#vl}h#xvhg#lq#d#uhfhqw#wuldo#dvvhvvlqj#gliihuhqfh#lq#ioxlg#edodqfh#lq#vhswlf#vkrfn1

Frqirxqglqj=#Qr0Doo#UFWv/#qr#hylghqfh#ri#frqirxqglqj1#

G rvh#uhvsrqvh#judglhqw=#Qr1#

Static studies GRADE explanations

1) Ioxlg#edodqfh
Risk of bias: Serious-Edvhg#Frfkudqh#Ulvn#ri#Eldv#wrro/#doo#vwxglhv#z huh#irxqg#wr#eh#dw#d#kljk#ulvn#ri#eldv>#p rvw#riwhq#gxh#wr#odfn#ri#eolqglqj#dqg#odfn#ri#doorfdwlrq#dvvhvvp hqw1#Dovr/#rqh#survshfwlyh#frkruw#vwxg|#lqfoxghg1

Iqfrqvlvwhqf|=#Vhulrxv0Iqfrqvlvwhqw#uhvxow#dp rqj#wkh#vwxglhv#dqg#kljk#ohyho#ri#khwhurjhqhlw|#433(,#

Iggluhfwqhvv=Qrw#vhulrxv0#5#rxw#ri#wkh#6#vwxglhv#zhuh#sulpduld|#irfxvhg#rq#ioxlg0edvhg#
rxwfrphv1#

Ipsuhflvlrq=Qrw#vhulrxv0Qduurz#frqilghqfh#lqwhuydov#dqg#grhv#qrw#fkdqjh#wkh#wuxh#
hiihfw#rxwfrph1

Sxedofdwlrq#eldv=Qrw#vhulrxv0Wkh#dxwkruv#ghwhfwhg#qr#hylghqfh#ri#sxedofdwlrq#eldv#iru#
wkhvh#wuldov

Odujh#hiihfw#\hv/#zlwk#8633p ov#ehlqj#frqvlghuhg#vljqlilfdqw#

Frqirxqglqj#\hv/#lqwurgxfwlrq#ri#survshfwlyh#frkruw#p d|#kdyh#uhgxfhg#wuxh#hiihfw#vhhq1#

Grvh#uhvsrqvh#judglhqw=#Qr1#

2) Fluid infusion:

Risk of bias: Serious-Edvhg#Frfkudqh#Ulvn#ri#Eldv#wrro/#doo#vwxglhv#zhuh#irxqg#wr#eh#dw#d#kljk#
ulvn#ri#eldv>#p rvw#riwhq#gxh#wr#odfn#ri#eolqglqj#dqg#odfn#ri#doorfdwlrq#dvvhvvp hqw1#Dovr/#
rqh#survshfwlyh#frkruw#vwxg|#lqfoxghg1#
#
Iqfrqvlvwhqf|=#Vhulrxv0Iqfrqvlvwhqw#uhvxow#dp rqj#wkh#vwxglhv#dqg#orz #ohyho#ri#
khwhurjhqhlw|#

Iggluhfwqhvv=Qrw#vhulrxv0#6#rxw#ri#wkh#7#vwxglhv#zhuh#sulpduld|#irfxvhg#rq#ioxlg0edvhg#
rxwfrphv1#

Ipsuhflvlrq=Vhulrxv0Zlgh#frqilghqfh#lqwhuydov#dqg#fkdqjh#wkh#wuxh#hiihfw#rxwfrph#iurp#
odujh#hiihfw#wr#p lqlp do1

Sxedofdwlrq#eldv=Qrw#vhulrxv0Wkh#dxwkruv#ghwhfwhg#qr#hylghqfh#ri#sxedofdwlrq#eldv#iru#
wkhvh#wuldov

Odujh#hiihfw=Dq#hiihfw#ri#qhjdwlyh#95:p ov#lv#d#vljqlilfdqw#hiihfw#dqg#£5{#wkh#hiihfw#vl}h#
xvhg#lq#d#uhfhqw#wuldo#dvvhvvlqj#gliihuhqfh#lq#ioxlg#edodqfh#lq#vhswlf#vkrfn1

Frqirxqglqj=Qr0Doo#UFWv/#wr#hylghqfh#ri#frqirxqglqj1#

Grvh#uhvsrqvh#judglhqw=Qr1#

Ryhudoo#WSWG#p ruelglw|2p ruwdolw|#JUDGH#h{sodqdwlrqv

1) Mechanical Ventilation:

Risk of bias: Serious-Edvhg#Frfkudqh#Ulvn#ri#Eldv#wrro/#doo#vwxglhv#zhuh#irxqg#wr#eh#dw#d#kljk#
ulvn#ri#eldv>#p rvw#riwhq#gxh#wr#odfn#ri#eolqglqj#dqg#odfn#ri#doorfdwlrq#dvvhvvp hqw1

Iqfrqvlvwhqf|=#Vhulrxv0Iqfrqvlvwhqw#uhvxow#dp rqj#wkh#vwxglhv#dqg#kljk#ohyho#ri#
khwhurjhqhlw|#:;(,

Iggluhfwqhvv=Vhulrxv0Rqo|#5#vwxglhv#ri#wkh#:#zhuh#sulpduld|#irfxvhg#rq#p ruelglw|#
rxwfrphv#lqfoxglqj#ORV#ru#gxudwlrq#ri#p hfkdqlfdo#yhqwlodwlrq1

Ip suhflvlrq=Qrw vhulrxv0Orz #dv#frqilghqfh#lqwhuydov#duh#uhodwlyho|#qduurz #dqg#gr#qrw#
fkdqjh#wkh#wuxh#hiihfw#rxwfrp h1

Sxeolfdwlrq#eldv=#Qrw vhulrxv0Wkh#dxwkruv#ghwhfwhg#qr#hylghqfh#ri#sxeolfdwlrq#eldv#iru#
wkhvh#wuldov

Odujh#hiihfw=#Qr0Wkh#wuxh#hiihfw#lv#ohvv#wkdq#rqh#gd|1#Wri#hw#doo#hvwlp dwhg#d#vljqlilfdqw#
hiihfw#z rxog#eh#dw#ohdvw#5#gd|v#gliihuhqfh#lq#p hfkdqlfdo#yhqwlodwlrq1

Frqirxqglqj=#Qr0Doo#UFWv/#gr#hylghqfh#ri#frqirxqglqj1#

G rvh#uhvsrqvh#judglhqw=#Qr1#

5 ,Ohqjwk#ri#vwd|=
Risk of bias: Vhulrxv0Based#Frfkudqh#Ulvn#ri#Eldv#wrro/#doo#vwxglhv#z huh#irxqg#wr#eh#dw#d#kljk#
ulvn#ri#eldv>#p rvw#riwhq#gxh#wr#odfn#ri#eolqglqj#dqg#odfn#ri#doorfdwlrq#dvvhvvp hqw1

Iqfrqvlvwhqf|#Vhulrxv0Kljk#ohyho#ri#khwhurjhqhlw|#+;4(,#exw#frqvlvwhqw#hiihfw#dfurvv#9#ri
wkh#:#vwxglhv#

Iqgluhfwqhvv=Vhulrxv0Rqo|#5#vwxglhv#ri#wkh#:#z huh#sulp dulo|#irfxvhg#rq#p ruelglw|#
rxwfrp hv#lqfoxglqj#ORV#ru#gxudwlrq#ri#p hfkdqlfdo#yhqwlodwlrq1

Ip suhflvlrq=Orz #dv#frqilghqfh#lqwhuydov#duh#uhodwlyho|#qduurz #dqg#gr#qrw#fkdqjh#wkh#wuxh
hiihfw#rxwfrp h1

Sxeolfdwlrq#eldv=#Wkh#dxwkruv#ghwhfwhg#qr#hylghqfh#ri#sxeolfdwlrq#eldv#iru#wkhvh#wuldov

Odujh#hiihfw=#\hv/#wkh#wuxh#hiihfw#lv#ehwz hhq#506#gd|v#ohvv#lq#IFX #rq#WSWG/#wkdw#lv#d#odujh#
hiihfw#lq#whup v#ri#ohqjwk#ri#vwd|1#

Frqirxqglqj=#Doo#UFWv/#gr#hylghqfh#ri#frqirxqglqj1

G rvh#uhvsrqvh#judglhqw=#Qr1#

3) P ruwolw|#

Risk of bias: Vhulrxv0Based#Frfkudqh#Ulvn#ri#Eldv#wrro/#doo#vwxglhv#z huh#irxqg#wr#eh#dw#d#kljk#
ulvn#ri#eldv>#p rvw#riwhq#gxh#wr#odfn#ri#eolqglqj#dqg#odfn#ri#doorfdwlrq#dvvhvvp hqw1

Iqfrqvlvwhqf|#Vhulrxv0Kljk#ohyho#ri#khwhurjhqhlw|#+;4(,#exw#frqvlvwhqw#hiihfw#dfurvv#8#ri
wkh#9#vwxglhv#

Iqgluhfwqhvv=Vhulrxv0Rqo|#4#vwxg|#ri#wkh#9#z huh#sulp dulo|#irfxvhg#rq#p ruwolw|#dv#d#
sulp du|#rxwfrp h1#

Ip suhflvlrq=Vhulrxv#dv#frqilghqfh#lqwhuydov#duh#fkdqjh#wkh#wuxh#hiihfw#rxwfrp h1

Sxeolfdwlrq#eldv=#Wkh#dxwkruv#ghwhfwhg#qr#hylghqfh#ri#sxeolfdwlrq#eldv#iru#wkhvh#wuldov

Odujh#hiihfw=#Qr

Frqirxqglqj=#Doo#UFWv/#gr#hylghqfh#ri#frqirxqglqj1#
G rvh#uhvsrqvh#judglhqw=#Qr1#