Date:	11/12/22_	
Your Name:_		Hani Chanbour
Manuscript T	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an
optimal thre	shold to n	ninimize the risk of mechanical complications
Manuscript r	number (if	known):

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

The author's relationships/activities/interests should be <u>defined broadly</u>. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
		Time frame: Since the initial	planning of the work
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	xNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
6	educational events	No. No.	
6	Payment for expert testimony	_xNone	
	testimony		
7	Support for attending	x None	
	meetings and/or travel		
	meetings and/or traver		
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	x_None	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	x_None	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	x_None	
12	Receipt of equipment,	x None	
12	materials, drugs, medical		
	writing, gifts or other		
	services		
13	Other financial or non-	x_None	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	11/12/22_	
Your Name:_		Anthony Steinle
Manuscript T	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an
optimal three	shold to n	ninimize the risk of mechanical complications
Manuscript n	umber (if	known):

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> <u>manuscript only</u>.

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		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
6	educational events	No. No.	
6	Payment for expert testimony	_xNone	
	testimony		
7	Support for attending	x None	
	meetings and/or travel		
	meetings and/or traver		
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	x_None	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	x_None	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	x_None	
12	Receipt of equipment,	x None	
12	materials, drugs, medical		
	writing, gifts or other		
	services		
13	Other financial or non-	x_None	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	11/12/22_	
Your Name:_		Jeffrey Chen
Manuscript T	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an
optimal three	shold to n	ninimize the risk of mechanical complications
Manuscript n	umber (if	known):

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

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		Name all entities with whom you have this relationship or indicate none (add rows as	Specifications/Comments (e.g., if payments were made to you or to your institution)
		needed)	
		Time frame: Since the initial	planning of the work
1	All support for the present	x_None	
	manuscript (e.g., funding,		
	provision of study materials,		
	medical writing, article		
	processing charges, etc.)		
	No time limit for this item.		
		Time frame: past	36 months
2	Grants or contracts from	xNone	
	any entity (if not indicated		
	in item #1 above).		
3	Royalties or licenses	x_None	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
6	educational events	No. No.	
6	Payment for expert testimony	_xNone	
	testimony		
7	Support for attending	x None	
	meetings and/or travel		
	meetings and/or traver		
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	x_None	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	x_None	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	x_None	
12	Receipt of equipment,	x None	
12	materials, drugs, medical		
	writing, gifts or other		
	services		
13	Other financial or non-	x_None	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:	11/12/22_	
Your Name:_		William Hunter Waddel
Manuscript T	Title:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an
optimal thre	shold to n	ninimize the risk of mechanical complications
Manuscript r	number (if	known):

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

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		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
6	educational events	No. No.	
6	Payment for expert testimony	_xNone	
	testimony		
7	Support for attending	x None	
	meetings and/or travel		
	meetings and/or traver		
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	x_None	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	x_None	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	x_None	
12	Receipt of equipment,	x None	
12	materials, drugs, medical		
	writing, gifts or other		
	services		
13	Other financial or non-	x_None	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	1/12/22_			
Your Name:		Justin Vickery		
Manuscript T	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an		
optimal threshold to minimize the risk of mechanical complications				
Manuscript n	umber (if	known):		

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

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		Time frame: Since the initial	planning of the work
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	xNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
6	educational events	No. No.	
6	Payment for expert testimony	_xNone	
	testimony		
7	Support for attending	x None	
	meetings and/or travel		
	meetings and/or traver		
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	x_None	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	x_None	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	x_None	
12	Receipt of equipment,	x None	
12	materials, drugs, medical		
	writing, gifts or other		
	services		
13	Other financial or non-	x_None	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	L1/12/22_			
Your Name:		Matthew E. LaBarge		
Manuscript T	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an		
optimal threshold to minimize the risk of mechanical complications				
Manuscript n	umber (if	known):		

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> <u>manuscript only</u>.

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		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
		Time frame: Since the initial	planning of the work
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	xNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
6	educational events	No. No.	
6	Payment for expert testimony	_xNone	
	testimony		
7	Support for attending	x None	
	meetings and/or travel		
	meetings and/or traver		
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	x_None	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	x_None	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	x_None	
12	Receipt of equipment,	x None	
12	materials, drugs, medical		
	writing, gifts or other		
	services		
13	Other financial or non-	x_None	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	L 1/12/22 _			
Your Name:		Michael Longo		
Manuscript Ti	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an		
optimal threshold to minimize the risk of mechanical complications				
Manuscript n	umber (if	known):		

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

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		Time frame: Since the initial	planning of the work
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		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
	educational events		
6	Payment for expert	_xNone	
	testimony		
_			
7	Support for attending meetings and/or travel	xNone	
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	xNone	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	xNone	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	xNone	
12	Receipt of equipment,	x_None	
	materials, drugs, medical		
	writing, gifts or other		
12	services	v Nega	
13	Other financial or non-	x_None	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	L 1/12/22 _			
Your Name:		Raymond Gardocki		
Manuscript Ti	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an		
optimal threshold to minimize the risk of mechanical complications				
Manuscript n	umber (if	known):		

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> <u>manuscript only</u>.

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		needed)	
		Time frame: Since the initial	planning of the work
1	All support for the present	x_None	
	manuscript (e.g., funding,		
	provision of study materials,		
	medical writing, article		
	processing charges, etc.)		
	No time limit for this item.		
		Time frame: past	36 months
2	Grants or contracts from	xNone	
	any entity (if not indicated		
	in item #1 above).		
3	Royalties or licenses	x_None	
4	Consulting fees	xNone	

5	Payment or honoraria for	x_None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or		
	educational events		
6	Payment for expert	_xNone	
	testimony		
_			
7	Support for attending meetings and/or travel	xNone	
8	Patents planned, issued or	xNone	
	pending		
9	Participation on a Data	xNone	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role	xNone	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	xNone	
12	Receipt of equipment,	x_None	
	materials, drugs, medical		
	writing, gifts or other		
12	services	v Nega	
13	Other financial or non-	xNone	
	financial interests		

None.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	11/12/22_	
Your Name:_		Amir abtahi
Manuscript T	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an
optimal threshold to minimize the risk of mechanical complications		
Manuscript n	umber (if	known):

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

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		Time frame: Since the initial	planning of the work
1	All support for the present manuscript (e.g., funding,	xNone	
	provision of study materials, medical writing, article		
	processing charges, etc.)		
	No time limit for this item.		
		Time frame: past	36 months
2	Grants or contracts from	x_None	
	any entity (if not indicated		
	in item #1 above).		
3	Royalties or licenses	xNone	
4	Consulting fees	xNone	

5	Payment or honoraria for lectures, presentations,	xNone	
	speakers bureaus,		
	manuscript writing or		
	educational events		
6	Payment for expert	_xNone	
	testimony		
7	Support for attending meetings and/or travel	xNone	
8	Patents planned, issued or	x_None	
	pending		
9	Participation on a Data	x_None	
	Safety Monitoring Board or		
10	Advisory Board	. News	
10	Leadership or fiduciary role in other board, society,	x_None	
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	x_None	
12	Receipt of equipment,	x_None	
	materials, drugs, medical		
	writing, gifts or other services		
13	Other financial or non-		
	financial interests	Stryker Spine	Institutional research support

Amir Abtahi reports receiving institutional research support from Stryker Spine.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	.1/12/22_	
Your Name:		Byron F Stephens
Manuscript Ti	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an
optimal threshold to minimize the risk of mechanical complications		
Manuscript n	umber (if	known):

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

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		Time frame: Since the initial	planning of the work
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		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	 Nuvasive & Carbofix	Consultant

5	Payment or honoraria for lectures, presentations,	xNone	
	speakers bureaus, manuscript writing or educational events		
6	Payment for expert testimony	_xNone	
7	Support for attending meetings and/or travel	x_None	
8	Patents planned, issued or	x_None	
	pending		
9	Participation on a Data	xNone	
	Safety Monitoring Board or Advisory Board		
10	Leadership or fiduciary role	x None	
10	in other board, society,		
	committee or advocacy group, paid or unpaid		
11	Stock or stock options	xNone	
12	Receipt of equipment,	y Nene	
12	materials, drugs, medical	xNone	
	writing, gifts or other services		
13	Other financial or non-		
	financial interests	Stryker Spine and Nuvasive	Institution research support

Byron F Stephens reports receiving consulting fee from Nuvasive & Carbofix and Institution research support from Stryker Spine and Nuvasive.

Please place an "X" next to the following statement to indicate your agreement:

Date:1	L 1/12/22 _	
Your Name:		Scott L. Zuckerman
Manuscript Ti	itle:	The importance of Hounsfield Units in adult spinal deformity surgery: finding an
optimal threshold to minimize the risk of mechanical complications		
Manuscript n	umber (if	known):

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> manuscript only.

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		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
		Time frame: Since the initial	planning of the work
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		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	xNone	
3	Royalties or licenses	xNone	
4	Consulting fees	None	

		National Football League	Unaffiliated Consultant
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	x_None	
6	Payment for expert testimony	_xNone	
7	Support for attending meetings and/or travel	x_None	
8	Patents planned, issued or pending	xNone	
9	Participation on a Data Safety Monitoring Board or Advisory Board	xNone	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	xNone	
11	Stock or stock options	xNone	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	x_None	
13	Other financial or non- financial interests	x_None	

Dr. Zuckerman reports being an unaffiliated neurotrauma consultant for the National Football League.

Please place an "X" next to the following statement to indicate your agreement: