Date: July 31<sup>th</sup>, 2023

Your Name: Karl Ludger Radke

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known):	
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In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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

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

None.			

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

\_\_X\_ I certify that I have answered every question and have not altered the wording of any of the questions on this form.

LRadke

Date: July 31th, 2023

Your Name: Vera Grotheer

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known):

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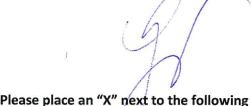
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		Specifications/Comments (e.g., if payments were made to you or to your institution)  planning of the work	
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.)  No time limit for this item.	The study was supported by the Deutsche Arthrose-Hilfe grant number: P460-A335- Windolf-EP2-jung1-knie- op-I-25k-2019-20	25.000€
		Matricel GmbH	Collagen scaffolds

		Time frame: past 36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	None
3	Royalties or licenses	None
4	Consulting fees	None
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None
6	Payment for expert testimony	None
7	Support for attending meetings and/or travel	None
=		
8	Patents planned, issued or pending	None
9	Participation on a Data Safety Monitoring Board or Advisory Board	None
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	None
11	Stock or stock options	None
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	None
13	Other financial or non- financial interests	None

The study was supported by the Deutsche Arthrose-Hilfe grant number: P460-A335-Windolf-EP2-jung1-knie-op-I-25k-2019-20 and collagen scaffold Optimaix from Matricel GmbH.



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

\_\_X\_I certify that I have answered every question and have not altered the wording of any of the questions on this form.

Date: July 31th, 2023

Your Name: Benedikt Kamp

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known	ae a Mabus 1905

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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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.	None	sinance interests  ase summarize the above conflict of interest in the ful
		Time frame: pas	t 36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	ase place an "X" next to the sollowing statement to be
3	Royalties or licenses	None and homestic transport	I certify that I have answered every question and har iorm.

4	Consulting fees	None	
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5	Payment or honoraria for	None	auscript Gille - Companison of compositional MRI ter
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	speakers bureaus, manuscript writing or educational events	-	senchymai stromai cells and unseeded scaffolds
6	Payment for expert	None	(invoisitit) tedimentiquator
	testimony		
7	Support for attending	None	is interest of Usinsparency, we ask you to disclose a
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	re represents a commitme. whether to list a	of the manuscript. Disclosing the second sec	les whose interests may be affected by the content concent
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8	Patents planned, issued or pending	None	
		ss eteeratol(es)thurne(es)	tollowing questions apply to the author's relational
9	Participation on a Data	None	
	Safety Monitoring Board or	I TORKER TORY - MARKET MARKET THE TRANSPORT	author's relationships/administraterests should
	Advisory Board	SIN BINY EQUICABILIST HES	do epinemidiogy or hypercension, you scould decid
10	Leadership or fiduciary role	None	ricador, even ir trial triedicarion is not mencioned in
	in other board, society,		
	committee or advocacy group, paid or unpaid	ed in this inanuscript with	ent III below, report all support for the work report. Fine frame for disclosure is the nest 36 months.
11	Stock or stock options	None	
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12	Receipt of equipment,	None	citis systematic in the citis systems and the citis systems and the citis systems are citis systems.
	materials, drugs, medical	2394443912120151	and the quantities
	writing, gifts or other services		
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13	Other financial or non-	None	800M 1 0002010 800 701 20100 URA
	financial interests		AND THE PARTY OF T

None.						

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

\_\_X\_I certify that I have answered every question and have not altered the wording of any of the questions on this form.

3.8.23 (amp

Date: July 31th, 2023

Your Name: Anja Müller-Lutz

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known):	
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		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	None	
4	Consulting fees	None	

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

None.			

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PD Dr. Anja Müller-Lutz

Küller - Zut

Date: July 31<sup>th</sup>, 2023

Your Name: Justus Kertscher

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (	if known).		
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3	Royalties or licenses	None	

4	Consulting fees	None	
5	Payment or honoraria for	None	
	lectures, presentations,		
	speakers bureaus,		
	manuscript writing or educational events		
6	Payment for expert	None	
0	testimony	None	
	testimony		
7	Support for attending	None	
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	<b>3 ,</b>		
8	Patents planned, issued or	None	
	pending		
9	Participation on a Data	None	
	Safety Monitoring Board or		
	Advisory Board		
10	'	None	
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	None	
12	Receipt of equipment,	None	
	materials, drugs, medical writing, gifts or other		
	services		
13	Other financial or non-	None	
	financial interests		

None.			

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Julins Kertsher

Date: July 31<sup>th</sup>, 2023

Your Name: Rosanna Strunk

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

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

None.	

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\_\_X\_ I certify that I have answered every question and have not altered the wording of any of the questions on this form.

Düsseldorf, der 03.08.2024

Date: July 31th, 2023

Your Name: Petros Martirosian

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known):	

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		Time frame: pas	t 36 months
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4	Consulting fees	None	
•	sonsuling rees	None	
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6	Payment for expert testimony	None	
7	Support for attending meetings and/or travel	None	
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11	Stock or stock options	None	
2	Receipt of equipment, materials, drugs, medical writing, gifts or other services	None	
3	Other financial or non- financial interests	None	

None.		

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X_ I certify	that I have answered every question and have not altered the wordi	
form.		ng or any of the questions on this
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	restos //	
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	p/litery	

Date: July 31<sup>th</sup>, 2023 Your Name: Birte Valentin

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known):
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3	Royalties or licenses	None	

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

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Date: July 31<sup>th</sup>, 2023

Your Name: Hans-Jörg Wittsack

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

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Manuscript number (if known):	
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		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	None	

4	Consulting fees	None	
5	Payment or honoraria for	None	
	lectures, presentations,	THE RESIDENCE ASSESSED FOR THE PARTY OF THE	
	speakers bureaus, manuscript writing or		
	educational events		
6	Payment for expert	None	
	testimony		
7	Support for attending	None	1505
	meetings and/or travel		
8	Patents planned, issued or	None	
	pending		
9	Participation on a Data	None	
	Safety Monitoring Board or Advisory Board		
10	Leadership or fiduciary role	None	
	in other board, society,		
	committee or advocacy group, paid or unpaid		
11	Stock or stock options	None	
12	Receipt of equipment, materials, drugs, medical	None	
	writing, gifts or other		
	services		
13	Other financial or non-	None	
	financial interests		

None.	

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

\_X\_I certify that I have answered every question and have not altered the wording of any of the questions on this form.

Date: July 31th, 2023

Your Name: Prof. Dr. Martin Sager

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number	(if known):			

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In item #1 below, report all support for the work reported in this manuscript without time limit. For all other items, the time frame for disclosure is the past 36 months.

		Name all entities with whom you have this relationship or indicate none (add rows as needed)  Time frame: Since the initial	Specifications/Comments (e.g., if payments were made to you or to your institution)  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).	None	KD Universitetsklinikum
3	Royalties or licenses		T - Zentrale Einrichtung für schung und Tierschutzaufgaben Prof. Dr. M. Sager

Telefon 0211 81-14400 • Fax 0211 81-14403 . Universitätsstraße 1 • Geb. 22:22 • 40225 Düsseldorf

31.07.2023

1	Consulting for-	News	'u
4	Consulting fees	None	
-		<b>.</b>	
5	Payment or honoraria for	None	
	lectures, presentations,		
	speakers bureaus, manuscript writing or		
	educational events		
6	Payment for expert	None	
U	testimony	None	
	testimony		
7	Support for attending	None	
9.5%	meetings and/or travel	None	
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8	Patents planned, issued or	None	
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9	Participation on a Data	None	
	Safety Monitoring Board or Advisory Board		
10	Leadership or fiduciary role	N	
10	in other board, society,	None	
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	None	
	Stock of Stock options	None	
12	Receipt of equipment,	None	
12	materials, drugs, medical	None	
	writing, gifts or other		
	services		
13	Other financial or non-	News	
13	financial interests	None	
	iniancial interests		

None.	2	

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31,09, 2023

ZETT - Zentrale Einrichtung für Tierforschung und Tierschutzaufgaben Prof. Dr. M. Sager
Telefon 0211 81-14400 - Fax 0211 81-14403
Universitätsstraße 1 - Geb. 22.22 - 40225 Düsseldorf

Date: August 7<sup>th</sup>, 2023

Your Name: Univ.-Prof. Dr. Joachim Windolf

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

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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.	The study was supported by the Deutsche Arthrose-Hilfe grant number: P460-A335- Windolf-EP2-jung1-knie- op-I-25k-2019-20	25.000 €

	Time frame: past 36 months				
2	Grants or contracts from any entity (if not indicated in item #1 above).	None			
3	Royalties or licenses	None			
4	Consulting fees	None			
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None			
6	Payment for expert testimony	None			
7	Support for attending meetings and/or travel	None			
8	Patents planned, issued or pending	None			
9	Participation on a Data Safety Monitoring Board or Advisory Board	None			
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	None			
11	Stock or stock options	None			
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	None			
13	Other financial or non- financial interests	None			

The study was supported by the Deutsche Arthrose-Hilfe grant number: P460-A335-Windolf-EP2-jung1-knie-op-I-25k-2019-20.

Please place an	"X" next to the following	g statement to indicate v	vour agreement:
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\_\_X\_ I certify that I have answered every question and have not altered the wording of any of the questions on this form.

Prof. Dr. med. Joachim Windolf

Date: July 31th, 2023

Your Name: Univ.-Prof. Dr. Gerald Antoch

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number	(if known):		

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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4	Consulting fees	None	
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11	Stock or stock options	None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	None	
13	Other financial or non- financial interests	None	

None.	

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

\_\_X\_I certify that I have answered every question and have not altered the wording of any of the questions on this form.

Institut pagnostische und Interventionelle

Direktor: Univ.-Prof. Dr. G. Antoch

Telefon 0211 81-17752 - Fax 0211 81-16145

Moorenstraße 5 • 40225 Düsseldorf

Date: July 31<sup>th</sup>, 2023

Your Name: PD. Dr. Erik Schiffner

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known): QIMS-23-570-R 1

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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100	Apply to EXTURN PER CONT	Time frame: Since the initi	al planning of the work
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		Time frame: pas	t 36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone	
3	Royalties or licenses	XNone	



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4	Consulting fees	X None		
5	Payment or honoraria for	XNone		
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	speakers bureaus, manuscript writing or		A CONTRACTOR OF THE PARTY OF TH	
	educational events			
6	Payment for expert	X None		
	testimony			
7	Support for attending	XNone		
	meetings and/or travel		Les Maries	
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8	Patents planned, issued or pending	XNone		
	pending			
9	Participation on a Data	X None		1.00-100ML 100 - 7
3	Safety Monitoring Board or	xNone		Control of the second of the s
	Advisory Board			
10	Leadership or fiduciary role	XNone	1 11 10 10 10 10 10 10 10 10 10 10 10 10	
	in other board, society,			
	committee or advocacy			
9.0	group, paid or unpaid			
11	Stock or stock options	XNone		
	ner stage i de la company			
12	Descipt of equipment	V Nana		
12	Receipt of equipment, materials, drugs, medical	X_None		
	writing, gifts or other			
	services			
13	Other financial or non-	X None		
Z:	financial interests		Approximation of the control of the	
	per a reference		NEW YORK WAR	

None.	

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

\_\_X\_ I certify that I have answered every question and have not altered the wording of any of the questions on this form.



Date: August 24th, 2023

Your Name: Prof. Dr. Pascal Jungbluth

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (if known): QIMS-23-570-R1

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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		Matricel GmbH	Collagen scaffolds

	Salva Albanda Albanda	Time frame: pas	t 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	
6	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events  Payment for expert testimony	XNone	
7	Support for attending meetings and/or travel	XNone	
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	XNone	
13	Other financial or non- financial interests	XNone	

The study was supported by the Deutsche Arthrose-Hilfe grant number: P460-A335-Windolf-EP2-jung1-knie-op-I-25k-2019-20 and collagen scaffold Optimaix from Matricel GmbH.

Please place an "X" next to the following statement to indicate your agreement:
_X_I certify that I have answered every question and have not altered the wording of any of the questions on this form.

Date: July 31th, 2023

Your Name: Dr. Miriam Frenken

Manuscript Title: Comparison of compositional MRI techniques to quantify the regenerative potential of articular cartilage: A preclinical minipig model after osteochondral defect treatments with autologous

mesenchymal stromal cells and unseeded scaffolds

Manuscript number (	if known):	
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	educational events		
6	Payment for expert	None	
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·	meetings and/or travel		
8	Patents planned, issued or	None	
0	pending	None	
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9	Participation on a Data	None	
	Safety Monitoring Board or		
	Advisory Board		
10	Leadership or fiduciary role in other board, society,	None	
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	None	
		<u> </u>	
12	Receipt of equipment,	None	
	materials, drugs, medical		
	writing, gifts or other services		
13	Other financial or non- financial interests	None	

None.

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

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22 (Dr. M. Frenken)