

Instructions

The purpose of this form is to provide readers of your manuscript with information about your other interests that could influence how they receive and understand your work. The form is designed to be completed electronically and stored electronically. It contains programming that allows appropriate data display. Each author should submit a separate form and is responsible for the accuracy and completeness of the submitted information. The form is in six parts.

Identifying information.

2. The work under consideration for publication.

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3. Relevant financial activities outside the submitted work.

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4. Intellectual Property.

This section asks about patents and copyrights, whether pending, issued, licensed and/or receiving royalties.

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Other: Anything not covered under the previous three boxes

Pending: The patent has been filed but not issued **Issued:** The patent has been issued by the agency

Licensed: The patent has been licensed to an entity, whether earning royalties or not

Royalties: Funds are coming in to you or your institution due to your patent

lwakura 1



Section 1.	Identifying Inform	ation					
1. Given Name (Fi Takashi	rst Name)	2. Surname (Last Name) Iwakura	3. Date 28-February-2014				
4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Takahiro Niikura				
5. Manuscript Title Topical Transcutaneous Application of Carbon Dioxide Using An Absorption-Enhancing Hydrogel Accelerates Fracture Repair in Rats							
6. Manuscript Ider JBJS-D-13-01498	ntifying Number (if you kn BR1	now it)					
			-				
Section 2.	The Work Under Co	onsideration for Public	cation				
any aspect of the s statistical analysis,	ubmitted work (including	but not limited to grants, da	a third party (government, commercial, private foundation, etc.) for ta monitoring board, study design, manuscript preparation,				
Section 3.	Relevant financial	activities outside the s	ubmitted work.				
of compensation clicking the "Add	n) with entities as descri	bed in the instructions. Use port relationships that wer	ether you have financial relationships (regardless of amount se one line for each entity; add as many lines as you need by se present during the 36 months prior to publication.				
Section 4.							
Section 4.	Intellectual Proper	ty Patents & Copyric	ints				
Do you have any	patents, whether plan	ned, pending or issued, br	oadly relevant to the work? Yes V No				

lwakura 2



Section 5. Relationships not covered above
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?
Yes, the following relationships/conditions/circumstances are present (explain below): No other relationships/conditions/circumstances that present a potential conflict of interest
At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements On occasion, journals may ask authors to disclose further information about reported relationships.
Section 6. Disclosure Statement
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.
Dr. Iwakura has nothing to disclose.

Evaluation and Feedback

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lwakura 3



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Koga 1



Section 1. Identifying Inform	ation							
1. Given Name (First Name) Takaaki	2. Surname (Last Name) Koga	3. Date 28-February-2014						
4. Are you the corresponding author?	e corresponding author? Yes Vo Corresponding Author's Name Takahiro Niikura							
5. Manuscript Title Topical Transcutaneous Application of Carbon Dioxide Using An Absorption-Enhancing Hydrogel Accelerates Fracture Repair in Rats								
6. Manuscript Identifying Number (if you kr JBJS-D-13-01498R1	now it)	_						
Sortion 2								
Section 2. The Work Under Co	onsideration for Public	cation						
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Koga 2



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Dr. Koga has nothing to disclose.	

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Koga 3



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Section 1.	Identifying Inform	ation						
1. Given Name (Fir Ryosuke	rst Name)	2. Surnan Kuroda	ne (Last Nan	ne)		3. Date 28-February-2014		
4. Are you the cor	responding author?	Yes	✓ No	Correspond Takahiro N	_	or's Name		
5. Manuscript Title Topical Transcutaneous Application of Carbon Dioxide Using An Absorption-Enhancing Hydrogel Accelerates Fracture Repair in Rats								
6. Manuscript Identifying Number (if you know it) JBJS-D-13-01498R1								
Section 2.	The Work Under Co	onsiderat	ion for P	ublication				
any aspect of the s statistical analysis,	ubmitted work (including	but not lim	ited to gran			ent, commercial, private foundation, etc udy design, manuscript preparation,	.) for	
Section 3.	Relevant financial a	activities	outside t	the submitted v	work.			
of compensation) with entities as descri	bed in the	instruction	ns. Use one line fo	r each er	rial relationships (regardless of amountity; add as many lines as you need as months prior to publication.		
Are there any rele	evant conflicts of intere	est? ✓ Y	'es 🔲	No	_			
If yes, please fill o	out the appropriate info	rmation b	elow.					
Name of Entity		Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments		
lapanese Orthopaedi	c Association				✓	Board membership. No money paid to me and my institution.		
Central Japan Associa Surgery and Traumat					✓	Board membership. No money paid to me and my institution.		
lapanese Orthopaedi Arthroscopy and Spo					✓	Board membership. No money paid to me and my institution.		
lapanese Society of C	linical Sports Medicine				√	Board membership. No money paid to me and my institution.		
HI-LEX CORPORATION	V				✓	Consultancy. No money paid to me and my institution.		



Name of Entity	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments	
Grant-in-Aid for Scientific Research (C)from Japan Society for the Promotion of Science	✓				Grant paid to my institution	
University of Pittsburgh	✓				Grant paid to my institution	
Hisamitsu pharmaceutical Co., Inc.		\checkmark			Payment for lectures	
Taisho Toyama Pharmaceutical Co., Ltd.		\checkmark			Payment for lectures	
Chugai Pharmaceutical Co., Ltd.		\checkmark			Payment for lectures	
Daiichi Sankyo Company, Limited		\checkmark			Payment for lectures	
Kaken Pharmaceutical Co., Ltd.		\checkmark			Payment for lectures	
Smith & Nephew Japan		\checkmark			Payment for lectures	
Arthrex, Inc.		✓			Payment for lectures	
Do you have any patents, whether plann	•			nt to the	work? ☐ Yes ✓ No	
Section 5. Relationships not c	overed	above				
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At the time of manuscript acceptance, jo On occasion, journals may ask authors to					•	ents.



Section 6.

Disclosure Statement

Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.

Dr. Kuroda reports other from Japanese Orthopaedic Association, other from Central Japan Association of Orthopaedic Surgery and Traumatology, other from Japanese Orthopaedic Society of Knee, Arthroscopy and Sports Medicine, other from Japanese Society of Clinical Sports Medicine, other from HI-LEX CORPORATION, grants from Grant-in-Aid for Scientific Research (C)from Japan Society for the Promotion of Science, grants from University of Pittsburgh, personal fees from Hisamitsu pharmaceutical Co., Inc., personal fees from Taisho Toyama Pharmaceutical Co., Ltd., personal fees from Chugai Pharmaceutical Co., Ltd., personal fees from Daiichi Sankyo Company, Limited, personal fees from Kaken Pharmaceutical Co., Ltd., personal fees from Smith & Nephew Japan, personal fees from Arthrex, Inc., outside the submitted work;

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Section 1							
Section 1.	dentifying Informa	ation					
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4. Are you the corres	sponding author?	Yes ✓ No Corresponding Author's Name Takahiro Niikura					
5. Manuscript Title Topical Transcutaneous Application of Carbon Dioxide Using An Absorption-Enhancing Hydrogel Accelerates Fracture Repair in Rats							
6. Manuscript Identi JBJS-D-13-01498R	fying Number (if you kno I	ow it)					
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lapanese Society for Cli	nical Biomechanics				✓	Board membership. No money paid to me and my institution.	
lapan College of Rheun	natology				\checkmark	Board membership. No money paid to me and my institution.	



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Japanese Society for Joint Diseases				✓	Board membership. No money paid to me and my institution.		
Japanese Society for Replacement Arthroplasty				✓	Board membership. No money paid to me and my institution.		
Central Japan Association of Orthopaedic Surgery and Traumatology				✓	Board membership. No money paid to me and my institution.		
Grant-in-Aid for Scientific Research (B)from Japan Society for the Promotion of Science	✓				Grant paid to my institution		
Grants-in-Aid for Scientific Research, Challenging Exploratory Research from Japan Society for the Promotion of Science	✓				Grant paid to my institution		
Johnson & Johnson	✓				Grant paid to my institution		
B. Braun Aesculap	✓				Grant paid to my institution		
8th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, Rio de Janeiro		✓			Payment for development of educational presentations		
57th South African Orthopaedic Association Congress, Sun City		✓			Payment for development of educational presentations		
9th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, Toronto		✓			Payment for development of educational presentations		
Eli Lilly Japan				✓	Scholarship donation to my institute		
Daiichi-Sankyo Co., Ltd.				✓	Scholarship donation to my institute		
Teijin Pharma Ltd.				✓	Scholarship donation to my institute		
Otsuka Pharmaceutical Co., Ltd.				√	Scholarship donation to my institute		
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c .: -	
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Orthopaedic Sports Medicine, Rio de Janeiro, personal fees from 57th South African Orthopaedic Association Congress, Sun City, personal fees from 9th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, Toronto, other from Eli Lilly Japan, other from Daiichi-Sankyo Co., Ltd., other from Teijin Pharma Ltd., other from Otsuka Pharmaceutical Co., Ltd., outside the submitted work;

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Lee 1



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1. Given Name (First Name) Sang Yang	2. Surname (Last N	ame)		. Date 28-February-2014			
4. Are you the corresponding author?							
5. Manuscript Title Topical Transcutaneous Application of C Repair in Rats	Carbon Dioxide Usi	ng An Absorption-	Enhancing Hydro	gel Accelerates Fracture			
6. Manuscript Identifying Number (if you kno JBJS-D-13-01498R1	ow it)						
Section 2. The Work Under Co	nsideration for	Publication					
Did you or your institution at any time received any aspect of the submitted work (including statistical analysis, etc.)?					c.) for		
Are there any relevant conflicts of intere	st? Yes ✓	No					
Section 3. Relevant financial a	activities outsid	the submitted	work.				
Place a check in the appropriate boxes ir of compensation) with entities as described clicking the "Add +" box. You should rep	bed in the instructi	ons. Use one line fo	or each entity; add	d as many lines as you need	d by		
Are there any relevant conflicts of intere		No					
If yes, please fill out the appropriate info	rmation below.						
Name of Entity	Grant? Persona	Non-Financial Support?	Other? Comr	nents			
Grant-in-Aid for Young Scientists (B) from Japan Society for the Promotion of Science	V		Grant pa	aid to my institution			
The General Insurance Association in Japan	✓		Grant pa	aid to my institution			
The Nakatomi Foundation	✓		Grant pa	aid to my institution			
Hyogo Science and Technology Association	✓		Grant pa	aid to my institution			
The Japan Orthopaedics and Traumatology Foundation			Grant pa	aid to my institution			
CO2BE Medical Enginering Inc.			I have 2	/222 stocks, but no money d to me.			

Lee 2



Section 4. Intellectual Property Patents & Copyrights
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Volume No
Section 5. Relationships not covered above
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?
Yes, the following relationships/conditions/circumstances are present (explain below):
No other relationships/conditions/circumstances that present a potential conflict of interest
At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements On occasion, journals may ask authors to disclose further information about reported relationships.
Section 6. Disclosure Statement
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.
Dr. Lee reports grants from Grant-in-Aid for Young Scientists (B) from Japan Society for the Promotion of Science, grants from The General Insurance Association in Japan, grants from The Nakatomi Foundation, grants from Hyogo Science and Technology Association, grants from The Japan Orthopaedics and Traumatology Foundation, other from CO2BE Medical Enginering Inc., outside the submitted work; .

Evaluation and Feedback

Please visit http://www.icmje.org/cgi-bin/feedback to provide feedback on your experience with completing this form.

Lee 3



Instructions

The purpose of this form is to provide readers of your manuscript with information about your other interests that could influence how they receive and understand your work. The form is designed to be completed electronically and stored electronically. It contains programming that allows appropriate data display. Each author should submit a separate form and is responsible for the accuracy and completeness of the submitted information. The form is in six parts.

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Other: Anything not covered under the previous three boxes

Pending: The patent has been filed but not issued

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Licensed: The patent has been licensed to an entity, whether earning royalties or not

Royalties: Funds are coming in to you or your institution due to your patent

Miwa 1



Section 1.	Identifying Inform	ation						
1. Given Name (Fi Masahiko	rst Name)	2. Surname (Last Name) Miwa		3. Date 28-February-2014				
4. Are you the cor	responding author?	☐ Yes ✓ No	Corresponding Auth Takahiro Niikura	Corresponding Author's Name Takahiro Niikura				
5. Manuscript Title Topical Transcutaneous Application of Carbon Dioxide Using An Absorption-Enhancing Hydrogel Accelerates Fracture Repair in Rats								
6. Manuscript Ide JBJS-D-13-01498	ntifying Number (if you kn BR1	ow it)						
	ı							
Section 2.	The Work Under Co	onsideration for Publ	ication					
any aspect of the s statistical analysis, Are there any rel	ubmitted work (including	but not limited to grants, o		nent, commercial, private foundation, e tudy design, manuscript preparation,	tc.) for			
Section 3.	Relevant financial	activities outside the	submitted work.					
of compensation) with entities as descri	bed in the instructions. l	Jse one line for each e	icial relationships (regardless of amo entity; add as many lines as you nee ne 36 months prior to publication	d by			
•	evant conflicts of intere							
If yes, please fill o	out the appropriate info	ormation below.						
Name of Entity		Grant•	on-Financial Support	Comments				
CO2BE Medical Engir	nering Inc.			I have 60/222 stocks, but no money was paid to me.				
Section 4.	Intellectual Proper	ty Patents & Copyr	ights					
Do you have any	patents, whether plan	ned, pending or issued, k	proadly relevant to the	e work? ☐ Yes 🗸 No				

Miwa 2



Section 5. Relationships not severed above
Relationships not covered above
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?
Yes, the following relationships/conditions/circumstances are present (explain below):
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Section 6. Disclosure Statement
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Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.
Dr. Miwa reports other from CO2BE Medical Enginering Inc., outside the submitted work; .

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Miwa 3



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Royalties: Funds are coming in to you or your institution due to your

ations patent e drugs/equipment



Identifying Information

Section 1.

ICMJE Form for Disclosure of Potential Conflicts of Interest

Given Name (First Name) Takahiro	2. Surname (La Niikura	ist Name)		3. Date 28-February-2014	_			
4. Are you the corresponding author?	✓ Yes	No						
5. Manuscript Title Topical Transcutaneous Application of Carbon Dioxide Using An Absorption-Enhancing Hydrogel Accelerates Fracture Repair in Rats								
6. Manuscript Identifying Number (if you ki JBJS-D-13-01498R1	now it)							
Section 2. The Work Under C	onsideration	for Publication						
			,		,			
Did you or your institution at any time rece any aspect of the submitted work (including statistical analysis, etc.)?					for			
Are there any relevant conflicts of inter-	est? ✓ Yes	No						
If yes, please fill out the appropriate inf Excess rows can be removed by pressin		•	one entity pre	ess the "ADD" button to add a ro	w.			
Name of Institution/Company	Grant•	Sonal Non-Financial Support?	Other? Co	mments				
Nakatomi Foundation, Inc	✓		Grant	t payed to my institution				
Section 3. Relevant financial	activities out	side the submitted	work.					
Place a check in the appropriate boxes of compensation) with entities as descr clicking the "Add +" box. You should re	ibed in the instr port relationshi	uctions. Use one line fo	or each entity;	add as many lines as you need b				
Are there any relevant conflicts of inter		No						
If yes, please fill out the appropriate inf	ormation below							
Name of Entity	Grant•	sonal Non-Financial Support?	Other? Co	mments				
Grant-in-Aid for Young Scientists (B) from lapan Society for the Promotion of Science	✓		Gran	t payed to my institution				
The Japan Orthopaedics and Fraumatology Foundation	✓		Grant	t payed to my institution				
Teijin Pharma			Paym	nent for lectures				



Name of Entity	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments		
Eli Lilly Japan		√			Payment for lectures		
CO2BE Medical Enginering Inc.				√	I have 2/222 stocks, but no money was paid to me.		
Section 4. Intellectual Propert Do you have any patents, whether plann				nt to the	work? ☐ Yes 📝 No		
Section 5. Relationships not c	overed	above					
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?							
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Based on the above disclosures, this form below.	n will auto	omatically (generate a disclos	sure state	ement, which will appear in the box		
Dr. Niikura reports grants from Nakatom Young Scientists (B) from Japan Society Traumatology Foundation, personal fees Enginering Inc., outside the submitted v	for the Pr s from Te	omotion o	f Science, grants f	rom The	Japan Orthopaedics and		



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Royalties: Funds are coming in to you or your institution due to your patent



Section 1. Identifying Information							
Given Name (First Name) Yoshitada	2. Surnan Sakai	ne (Last Nan	ne)		3. Date 28-February-2014		
4. Are you the corresponding author?	Yes	✓ No	Correspond Takahiro N	_	or's Name		
5. Manuscript Title Topical Transcutaneous Application of C Repair in Rats	arbon Dio	oxide Using	An Absorption-E	Enhancin	g Hydrogel Accelerates Fracture		
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Did you or your institution at any time received any aspect of the submitted work (including statistical analysis, etc.)?						c.) for	
Are there any relevant conflicts of interest? Yes V No							
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Are there any relevant conflicts of interes		· —	No	uning un	so months prior to publication.		
If yes, please fill out the appropriate info		elow.					
Name of Entity	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments		
Grant-in-Aid for Scientific Research (C)from Japan Society for the Promotion of Science,	✓				Grant paid to my institution		
Research grant from The Descente and Ishimoto Memorial foundation for the promotion of sports science	✓				Grant paid to my institution		
Asahi Kasei Pharma Corp.		✓			Payment for lectures		
Astellas Pharma Inc.		✓			Payment for lectures		
Eisai Co., Ltd.		✓			Payment for lectures		
Ono Pharmaceutical Co., Ltd.		✓			Payment for lectures		



Name of Entity	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments
Takeda Pharmaceutical Company Limited		✓			Payment for lectures
Chugai Pharmaceutical Co., Ltd.		✓			Payment for lectures
AstraZeneca K.K.		\checkmark			Payment for lectures
Glaxosmithkline K.K.		\checkmark			Payment for lectures
MSD K.K.		√			Payment for lectures
CO2BE Medical Enginering Inc.				√	I have 30/222 stocks, but no money was paid to me.
Asahi Kasei Pharma Corp.				✓	Scholarship donation to my institute
Astellas Pharma Inc.				✓	Scholarship donation to my institute
Eisai Co., Ltd.				✓	Scholarship donation to my institute
Ono Pharmaceutical Co., Ltd.				✓	Scholarship donation to my institute
Takeda Pharmaceutical Company Limited				✓	Scholarship donation to my institute
Mitsubishi Tanabe Pharma Corporation.				✓	Scholarship donation to my institute
Chugai Pharmaceutical Co., Ltd.				✓	Scholarship donation to my institute
Kinki Gishi Corporation.				✓	Scholarship donation to my institute
Sawamura prosthetics and orthotics service Co., LTD				✓	Scholarship donation to my institute
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Section 6.

Disclosure Statement

Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.

Dr. Sakai reports grants from Grant-in-Aid for Scientific Research (C) from Japan Society for the Promotion of Science,, grants from Research grant from The Descente and Ishimoto Memorial foundation for the promotion of sports science, personal fees from Asahi Kasei Pharma Corp., personal fees from Astellas Pharma Inc., personal fees from Eisai Co., Ltd., personal fees from Ono Pharmaceutical Co., Ltd., personal fees from Takeda Pharmaceutical Company Limited, personal fees from Chugai Pharmaceutical Co., Ltd., personal fees from AstraZeneca K.K., personal fees from Glaxosmithkline K.K., personal fees from MSD K.K., other from CO2BE Medical Enginering Inc., other from Asahi Kasei Pharma Corp.

, other from Astellas Pharma Inc., other from Eisai Co., Ltd., other from Ono Pharmaceutical Co., Ltd., other from Takeda Pharmaceutical Company Limited, other from Mitsubishi Tanabe Pharma Corporation., other from Chugai Pharmaceutical Co., Ltd., other from Kinki Gishi Corporation., other from Sawamura prosthetics and orthotics service Co., LTD, outside the submitted work;

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Ueha 1



Section 1.	Identifying Inform	nation						
1. Given Name (Fi Takeshi	rst Name)	lame) 2. Surname (Last Name) 3. Date Ueha 28-Februar						
4. Are you the cor	responding author?	Yes No Corresponding Author's Name Takahiro Niikura						
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Section 3.	Relevant financial	activities outside the	submitted work.					
of compensation clicking the "Add Are there any rel) with entities as descr	ibed in the instructions. port relationships that w est?	Use one line for each entity	relationships (regardless of amount y; add as many lines as you need by 6 months prior to publication .				
Name of Entity		Grant? Personal N	on-Financial Other?	Comments				
NeoChemir Inc.			l ar	m an employee of NeoChemir Inc.				
Section 4.	Intellectual Prope	rty Patents & Copyı	rights					
Do you have any	patents, whether plan	ned, pending or issued,	broadly relevant to the wo	ork?				

Ueha 2



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Relationships not covered above
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Ueha 3



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This section asks for information about the work that you have submitted for publication. The time frame for this reporting is that of the work itself, from the initial conception and planning to the present. The requested information is about resources that you received, either directly or indirectly (via your institution), to enable you to complete the work. Checking "No" means that you did the work without receiving any financial support from any third party -- that is, the work was supported by funds from the same institution that pays your salary and that institution did not receive third-party funds with which to pay you. If you or your institution received funds from a third party to support the work, such as a government granting agency, charitable foundation or commercial sponsor, check "Yes".

3. Relevant financial activities outside the submitted work.

This section asks about your financial relationships with entities in the bio-medical arena that could be perceived to influence, or that give the appearance of potentially influencing, what you wrote in the submitted work. You should disclose interactions with ANY entity that could be considered broadly relevant to the work. For example, if your article is about testing an epidermal growth factor receptor (EGFR) antagonist in lung cancer, you should report all associations with entities pursuing diagnostic or therapeutic strategies in cancer in general, not just in the area of EGFR or lung cancer.

Report all sources of revenue paid (or promised to be paid) directly to you or your institution on your behalf over the 36 months prior to submission of the work. This should include all monies from sources with relevance to the submitted work, not just monies from the entity that sponsored the research. Please note that your interactions with the work's sponsor that are outside the submitted work should also be listed here. If there is any question, it is usually better to disclose a relationship than not to do so.

For grants you have received for work outside the submitted work, you should disclose support ONLY from entities that could be perceived to be affected financially by the published work, such as drug companies, or foundations supported by entities that could be perceived to have a financial stake in the outcome. Public funding sources, such as government agencies, charitable foundations or academic institutions, need not be disclosed. For example, if a government agency sponsored a study in which you have been involved and drugs were provided by a pharmaceutical company, you need only list the pharmaceutical company.

4. Intellectual Property.

This section asks about patents and copyrights, whether pending, issued, licensed and/or receiving royalties.

Relationships not covered above.

Use this section to report other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work.

Definitions.

Entity: government agency, foundation, commercial sponsor, academic institution, etc.

Grant: A grant from an entity, generally [but not always] paid to your organization

Personal Fees: Monies paid to you for services rendered, generally honoraria, royalties, or fees for consulting, lectures, speakers bureaus, expert testimony, employment, or other affiliations

Non-Financial Support: Examples include drugs/equipment supplied by the entity, travel paid by the entity, writing assistance, administrative support, etc.

Other: Anything not covered under the previous three boxes

Pending: The patent has been filed but not issued

Issued: The patent has been issued by the agency

Licensed: The patent has been licensed to an entity, whether earning royalties or not

Royalties: Funds are coming in to you or your institution due to your patent

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Section 1.	Identifying Inform	ation					
1. Given Name (Fii Etsuko	rst Name)	 Surname (Last Name) Okumachi Date 28-February-2014 					
4. Are you the cor	responding author?	Yes ✓ No Corresponding Author's Name Takahiro Niikura					
5. Manuscript Title Topical Transcut Repair in Rats		Carbon Dioxide Using An	Absorption-Enhancing Hydrogel Accelerates Fracture				
6. Manuscript Ider JBJS-D-13-01498	ntifying Number (if you kr BR1	now it)					
Section 2.	The Work Under Co	onsideration for Public	cation				
any aspect of the s statistical analysis,	ubmitted work (including	but not limited to grants, da	a third party (government, commercial, private foundation, etc.) for ita monitoring board, study design, manuscript preparation,				
Section 3.	Relevant financial	activities outside the s	submitted work.				
of compensation clicking the "Add Are there any rel	the appropriate boxes i) with entities as descri	n the table to indicate wh bed in the instructions. Us port relationships that we	ether you have financial relationships (regardless of amount se one line for each entity; add as many lines as you need by re present during the 36 months prior to publication.				
Section 4.	Intellectual Proper	ty Patents & Copyri	ghts				
Do you have any	patents, whether plan	ned, pending or issued, bi	roadly relevant to the work? Yes V No				

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Section 5. Relationships not severed above
Relationships not covered above
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?
Yes, the following relationships/conditions/circumstances are present (explain below):
✓ No other relationships/conditions/circumstances that present a potential conflict of interest
At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements On occasion, journals may ask authors to disclose further information about reported relationships.
Section 6. Disclosure Statement
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.
Dr. Okumachi has nothing to disclose.

Evaluation and Feedback

Please visit http://www.icmje.org/cgi-bin/feedback to provide feedback on your experience with completing this form.

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