(English)

A Pledge Regarding Research Ethics

To the Dean of the Graduate School of Medical Sciences:

I hereby pledge that there is no violation of research ethics with respect to the dissertation I have submitted, as described in the following table; "the papers" in this document refer to both "the dissertation" and "its related papers":

		Field to be	Field to be
	Confirmation items	checked by the	checked by the
		applicant	supervisor
1	There are laboratory notebooks to confirm the experiments and data		
	analyses described in the papers. Experimental procedures and methods	☑	
	are appropriately described in the papers.		
2	All data included in the dissertation have been stored as raw data.	$\square$	<b>□</b>
3	Images, tables, figures, and sentences created or written by other people	Ø	Ø
	have not been quoted in the dissertation without permission.	<u>.                                    </u>	£
4	Images, tables, figures, and sentences have not been reused improperly.	Ø	Ø
5	Images have not been processed improperly: deletion of part of images		
	or addition to images.	$\square$	$\square$
	As for each single panel consisting of multiple electrophoresis		
6	photographs and microscopic images, the borders have been clearly	✓	Ø
	presented.		
	Images from experiments conducted under different conditions have not		
7	been arranged to guide the readers of the dissertation to think that the	✓	Ø
	experiments were implemented under the same conditions.	_	_
*8	The dissertation complies with the ethical guidelines for clinical		
	research.		

<sup>\*8</sup> applies to the dissertation of research in which human specimens were used.

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