

Downloaded from UvA-DARE, the institutional repository of the University of Amsterdam (UvA)  
<http://hdl.handle.net/11245/2.145706>

---

File ID	uvapub:145706
Filename	Contents
Version	unknown

---

SOURCE (OR PART OF THE FOLLOWING SOURCE):

Type	PhD thesis
Title	Insights into passive ultrasonic irrigation
Author(s)	L. Jiang
Faculty	ACTA
Year	2012

FULL BIBLIOGRAPHIC DETAILS:

<http://hdl.handle.net/11245/1.372262>

---

*Copyright*

*It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content licence (like Creative Commons).*

---

# Contents

<b>Chapter 1</b>	General introduction	<b>9</b>
<i>Ultrasonic irrigation</i>		
<b>Chapter 2</b>	Evaluation of a sonic device designed to activate irrigant in the root canal	<b>17</b>
<b>Chapter 3</b>	Influence of the oscillation direction of an ultrasonic file on the cleaning efficacy of passive ultrasonic irrigation	<b>25</b>
<b>Chapter 4</b>	An evaluation of the effect of pulsed ultrasound on the cleaning efficacy of passive ultrasonic irrigation	<b>33</b>
<b>Chapter 5</b>	The influence of the ultrasonic intensity on the cleaning efficacy of passive ultrasonic irrigation	<b>43</b>
<b>Chapter 6</b>	Irrigant flow beyond the insertion depth of an ultrasonically oscillating file in straight and curved root canals: visualization and cleaning efficacy	<b>53</b>
<b>Chapter 7</b>	Comparison of the cleaning efficacy of different final irrigation techniques	<b>65</b>
<i>Endodontic microbiology</i>		
<b>Chapter 8</b>	Influence of <i>Streptococcus mutans</i> on <i>Enterococcus faecalis</i> biofilm formation	<b>75</b>
<b>Chapter 9</b>	Resazurin metabolism assay for root canal disinfectant evaluation on dual-species Biofilms	<b>85</b>
<b>Chapter 10</b>	General Discussion	<b>97</b>
<b>Chapter 11</b>	Summary and conclusions / Samenvatting en conclusies	<b>109</b>
	<b>Acknowledgements</b>	<b>115</b>
	<b>Curriculum Vitae</b>	<b>116</b>