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## Selection of non-apoptotic, DNA intact spermatozoa

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# **Selection of Non-Apoptotic, DNA Intact Spermatozoa: An Approach to Improve Sperm Fertilization Potential**

Tamer Mahmoud Said Mahmoud

Selection of Non-Apoptotic, DNA Intact Spermatozoa: An Approach to Improve Sperm  
Fertilization Potential

Tamer Mahmoud Said Mahmoud

PhD thesis, University of Groningen with summary in Dutch

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Cover: Schematic diagram of magnetic cell separation column. A thin slice across the solid support shows interstitial spaces available for flow of the cell mixture. The un-labeled cells flow freely through the column, while the magnetically labeled cells are retained inside the column and could be recovered by removal of the column from the magnetic field, followed by elution.

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## CONTENTS

<b>Chapter 1</b>	General introduction	7
<b>Chapter 2</b>	Impact of sperm morphology on DNA damage caused by $\beta$ -nicotinamide adenine dinucleotide phosphate (NADPH) induced oxidative stress.	25
<b>Chapter 3</b>	A novel association between sperm deformity index and oxidative stress-induced DNA damage in infertile male patients.	43
<b>Chapter 4</b>	Advantage of combining magnetic cell separation with sperm preparation techniques.	57
<b>Chapter 5</b>	The relationship between human sperm apoptosis, morphology and the sperm deformity index.	75
<b>Chapter 6</b>	Evaluation of sperm recovery following annexin V MACS separation.	95
<b>Chapter 7</b>	Effects of magnetic-activated cell sorting on sperm motility and cryosurvival rates.	107
<b>Chapter 8</b>	Selection of non-apoptotic spermatozoa as a new tool for enhancing assisted reproduction outcomes: An in-vitro model.	119
<b>Chapter 9</b>	Relationship between sperm apoptosis signaling and oocyte penetration capacity.	143
<b>Chapter 10</b>	General discussion, future Directions and summary	157
<b>Samenvatting</b>		171
<b>Acknowledgment</b>		173
<b>Curriculum Vitae</b>		174

