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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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