

# Contents

<b>Section I</b>	<b>Sperm Antigens</b>	1
<b>1.1</b>	<b>Proteomics of Human Spermatozoa</b>	3
	B. Nixon and R. J. Aitken	
<b>1.2</b>	<b>Methods of Analysis of Sperm Antigens Related to Fertility</b>	13
	J. Shetty and J. C. Herr	
<b>1.3</b>	<b>Sperm Surface Proteomics</b>	33
	B. M. Gadella	
<b>1.4</b>	<b>Sperm Functions Influenced by Immune Reactions</b>	49
	W. Krause	
<b>Section II</b>	<b>Antisperm Antibodies (ASA)</b>	67
<b>2.1</b>	<b>The Immune Privilege of the Testis</b>	69
	M. Fijak, S. Bhushan and A. Meinhardt	
<b>2.2</b>	<b>Immune Chemistry of ASA</b>	79
	M. Kurpisz and M. Kamieniczna	
<b>2.3</b>	<b>Sperm-Specific T Lymphocytes</b>	91
	W. Krause and M. Hertl	
<b>2.4</b>	<b>Site and Risk Factors of Antisperm Antibodies Production in the Male Population</b>	97
	M. Marconi and W. Weidner	
<b>2.5</b>	<b>Biologic Substrates Containing ASA</b>	111
	W. Krause	

<b>2.6 ASA in the Female .....</b>	<b>121</b>
G. N. Clarke	
<b>2.7 Sperm-Immobilizing Antibody and Its Target Antigen (CD52) .....</b>	<b>131</b>
A. Hasegawa and K. Koyama	
<b>Section III The Clinical Impact of Sperm Antibodies .....</b>	<b>143</b>
<b>3.1 Male Autoimmune Infertility .....</b>	<b>145</b>
F. Francavilla and A. Barbonetti	
<b>3.2 Tests for Sperm Antibodies .....</b>	<b>155</b>
A. Agarwal and T. M. Said	
<b>3.3 Impact on Fertility Outcome .....</b>	<b>165</b>
Z. Ulcova-Gallova	
<b>3.4 Sperm Antibodies and Assisted Reproduction .....</b>	<b>175</b>
J. H. Check	
<b>3.5 Treatment of Immune Infertility .....</b>	<b>185</b>
R. K. Naz	
<b>Section IV Immune Contraception .....</b>	<b>195</b>
<b>4.1 Immunization with Sperm Antigens to Induce Contraception .....</b>	<b>197</b>
R. K. Naz	
<b>4.2 Immunocontraception in Wildlife Animals .....</b>	<b>209</b>
K. Jewgenow	
<b>4.3 Experience from Clinical Trials with Fertility Control Vaccines .....</b>	<b>223</b>
G. P. Talwar, S. Purswani, J. C. Gupta, and H. K. Vyas	
<b>Subject Index .....</b>	<b>233</b>

Immune Infertility

The Impact of Immune Reactions on Human Infertility

Krause, W.K.H.; Naz, R.K. (Eds.)

2009, XI, 236 p., Hardcover

ISBN: 978-3-642-01378-2