

Curriculum vitae

Prof. Ralf Henkel, BEd, Ph.D., Habil.

Personal Data:

Name: Ralf Reinhold Henkel
 Title: Professor
 Gender: Male
 Nationality: German
 Civil status: married
 Languages: German (mother tongue)
 English (fluent)
 Afrikaans (read, understand)

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Course of Education and Training:

02.02.1998 Habilitation (= 2nd PhD in Germany to become a Professor) for "Reproductive Biology" at the Faculty of Medicine of the Justus Liebig University of Giessen, Germany

Dec. 1993
 - Dec. 1994 Post-doctoral training at the Department of Obstetrics and Gynaecology, Reproductive Biology Unit, Tygerberg Hospital, Tygerberg, South Africa

23.02.1990 Examination for PhD degree
 27.11.1985 Examination
 1979 - 1985 Study of Biology and Chemistry at the Philipps University of Marburg, Germany

Employment History and Work Experience**LogixX Pharma, Reading, United Kingdom**

<i>Dates</i>	<i>Position</i>	<i>Duties</i>
Jul. 2020 -	Chief Scientific Advisor	Advise on scientific basis of LogixX Fertility products Conduct research at Imperial College London and in collaboration with the University of Kent Supervise postgraduate students Publish data in international peer-reviewed journals Advise clients on various LogixX products

University of the Western Cape, Department of Medical Bioscience, Bellville, South Africa

<i>Dates</i>	<i>Position</i>	<i>Duties</i>
Jan. 2014 – May. 2020	Head of Department	Manage department (29 academics, 15 support staff, 100 postgraduate students, 1900 undergraduate students) Active involvement in Faculty and Senate Higher Degrees committees Active involvement in other university committees Mediate between staff and supervisors and students Efficient managing of funds Lecture student groups between 15 and 120 students

Apr. 2014 – Jun. 2015	Acting Deputy Dean for Postgraduate Studies in the Faculty of Science	Supervise postgraduate students Do andrologically/urologically related research Apply for relevant grants Publish data in international peer-reviewed journals Community involvement Manage postgraduate student administration Represent the Science Faculty at Senate Higher Degrees Committee Chair Faculty Higher Degrees Committee meetings
Jan. 2012 – Sep. 2012	Acting Deputy Dean for Postgraduate Studies in the Faculty of Science	Manage postgraduate student administration Represent the Science Faculty at Senate Higher Degrees Committee Chair Faculty Higher Degrees Committee meetings
Jan. 2008 – ongoing	Senior Professor	Participation in departmental and faculty administration; Lecture, research and community involvement
Jan. 2006 – Dec. 2010	Deputy Head of Department	Manage department (25 academics, 11 support staff, 85 postgraduate students, 1200 undergraduate students Active involvement in Faculty and Senate Higher Degrees committees Active involvement in other university committees Mediate between staff and supervisors and students Efficient managing of funds Lecture student groups between 15 and 120 students Supervise postgraduate students Do andrologically/urologically related research Apply for relevant grants Publish data in international peer-reviewed journals Community involvement
Sep. 2005 – Dec. 2007	Full Professor for Reproductive Biology	Lecture, research and community involvement

Friedrich Schiller University of Jena, Department of Urology, Jena, Germany

<i>Dates</i>	<i>Position</i>	<i>Duties</i>
Aug. 2004 – Aug. 2005	Full Professor for Experimental Andrological Urology – Endocrinology	Active involvement in other university committees Running and management of clinical diagnostical laboratory for functional sperm diagnostics Efficient managing of funds Lecture student groups between 15 and 100 students Supervise postgraduate students Do andrologically/urologically related research Apply for relevant grants Publish data in international peer-reviewed journals

Justus-Liebig-University of Giessen, Department of Dermatology and Andrology, Giessen, Germany

<i>Dates</i>	<i>Position</i>	<i>Duties</i>
Mar. 2004 – Jul. 2004	Extraordinary Professor of Reproductive Biology	Involved in departmental management Running and management of clinical diagnostical laboratory for functional sperm diagnostics Mediate between staff and supervisors and students

		<p>Efficient managing of funds</p> <p>Lecture student groups between 10 and 50 students</p> <p>Supervise postgraduate students</p> <p>Do andrologically/urologically related research</p> <p>Apply for relevant grants</p> <p>Publish data in international peer-reviewed journals</p> <p>Development of new and improvement of existing diagnostic tests</p> <p>Participation in departmental management</p>
Jan. 2001 – Jul. 2004	Member of the Board of Directors, Department of Dermatology and Andrology	
Dec. 1999 – Feb. 2004	Associate Professor for Reproductive Biology	Lecture, management of andrology diagnostics laboratory; Research to improve andrological diagnostics and sperm separation for IVF/ICSI; Development of new and improvement of existing diagnostic tests
May 1998 – Nov. 1999	Assistant Professor	Lecture, management of andrology diagnostics laboratory; Research to improve andrological diagnostics and sperm separation for IVF/ICSI; Development of new and improvement of existing diagnostic tests
Jul. 1993 – Jul. 2004	Head of Functional Sperm Diagnostics	Management of andrology diagnostics laboratory; Research to improve andrological diagnostics and sperm separation for IVF/ICSI; Development of new and improvement of existing diagnostic tests
Jul. 1990 – May 1993	Scientist, Department of Dermatology and Andrology	Research to improve andrological diagnostics and sperm separation for IVF/ICSI

Philipps University of Marburg, Department of Biology, Marburg, Germany

<i>Dates</i>	<i>Position</i>	<i>Duties</i>
Jan. 1987 – Dec. 1989	Laboratory assistant	Research, laboratory assistance

Other Achievements and Responsibilities

<i>Dates</i>	<i>Achievement</i>
Jul. 2020 - ongoing	Visiting Reader; Department of Metabolism, Digestion and Reproduction at Imperial College London., United Kingdom
June 2020 - ongoing	Extraordinary Professor in the Department of Medical Bioscience, University of the Western Cape, Bellville, South Africa
June 2020 - ongoing	Section Editor: Reproductive Biology and Endocrinology
June 2020 - ongoing	Associate Editor: Reproductive Science
22.08.2019	Award “Best Established Researcher 2018” by UWC
Apr. 2018 – ongoing	Honorary Adjunct Senior Scientist at the American Center for Reproductive Medicine, Cleveland Clinic, Cleveland, OH
Jan. 2018 – ongoing	B2-Rating by the National Research Foundation of South Africa
Jan. 2018 – ongoing	Editor-in-Chief: Andrologia
Jan. 2018 – ongoing	Member of the Editorial Board of Reproductive Medicine
Jan. 2016 – Dec. 2018	Member of the Biomedical Research Ethics Committee at UWC
Jan. 2016 – ongoing	Associate Editor: Journal of Reproductive Biotechnology and Fertility

18.11.15 - ongoing	Honorary Professor at the Universidad Peruana Cayetano Heredia, Lima, Peru
Jan. 2013 – Dec. 2017	Co-Editor-in-Chief: Andrologia
Jun. 2012 – ongoing	Honorary Advising Editor for the Journal of Reproductive and Stem Cell Biotechnology (JRSCB)
Mar. 2012 – ongoing	Member of the Editorial Board: Andrology
Jan. 2012 – Dec. 2017	B3-Rating by the National Research Foundation of South Africa
Dec. 2011 – ongoing	Member of the Editorial Board of the American Journal of Social Issues and Humanities
Jan. 2011 – ongoing	Honorary Member of the International Advisory Board of the Indian Society for Clinical Embryologists
Mar. 2010 – Dec. 2012	Member of the Editorial Board: Andrologia
Jan. 2007 – Dec. 2011	Awarded C1-Rating by the National Research Foundation of South Africa
Jan. 2005 – ongoing	Member of the Editorial Board: Asian Journal of Andrology
Sep. 2004 – Nov. 2005	Member of the Executive Council of the German Society of Andrology
Feb. 1999 – Jul. 2004	Commissioner for Animal Protection at the Department of Dermatology and Andrology
Mar. 1995 – Jan. 1999	Deputy Commissioner for Animal Protection at the Department of Dermatology and Andrology

Summary of Scientific Achievements

- h-index: 48
- ResearchGate RG Score: 44.13
- Publications: 225 papers; 50 book chapters; 362 conference presentations; 111 invited presentations
- 16 scientific awards
- B2-rated Scientist by the National Research Foundation of South Africa
- Member of the Organization Committee of an International Workshop
- Referee for the National Research Foundation and Medical Research Council
- Member of the Scientific Committee of the 2nd Asia-Pacific Forum on Andrology, 19 - 23 October 2006
- Invited to chair several scientific session at several national and international conferences
- Member of the Scientific Committee of the 3rd Asia-Pacific Forum on Andrology, 10 - 13 October 2009
- Invited expert for the evaluation of abstract submissions for the 25th Annual Meeting of the ESHRE held in Amsterdam, The Netherlands, from 28 June to 1 July 2009
- Invited co-guest editor together with Prof. RJ Aitken of a special issue “Cell Biology and Genetics of Sperm” of the Asian Journal of Andrology (2010)
- Invited expert for the evaluation of abstract submissions for the 26th Annual Meeting of the ESHRE held in Rome (Italy) from 27 - 30 June 2010
- Faculty member at the 9th Annual Summer Internship Course, American Centre for Reproductive Medicine, Cleveland Clinic, Department of Urology, Cleveland, OH; 13 June – 29 July 2016
- Member of the Program Organizing Committee for the International Congress of Andrology that will be held in Copenhagen, Denmark, 6 – 9 May 2017
- Visiting Professor and Faculty member at the 10th Annual Summer Internship Course, American Centre for Reproductive Medicine, Cleveland Clinic, Department of Urology, Cleveland, OH; 15 May – 1 September 2017

- Faculty member at the 11th Annual Summer Internship Course, American Centre for Reproductive Medicine, Cleveland Clinic, Department of Urology, Cleveland, OH; 6 July – 3 August 2018

Memberships in Scientific Societies

- German Society for Andrology

Reviewer for Scientific Journals

- Regular reviewer for 25 international journals including Andrology, Human Reproduction, Fertility and Sterility or Reproductive Biomedicine Online.

Membership of Editorial Boards

- Asian Journal of Andrology
- Reproductive Medicine
- Human Andrology
- Andrology

Evaluated and financially supported Scientific Projects

- USD 1.9 M funding from governmental funding organizations (DFG, NRF), the Medical Research Council and the pharmaceutical industry for 26 projects.
- Annual additional funding from the NRF for being a rated scientist and from UWC

Media Presence

- Press conference: Tecnobios Procreazione Symposium; 15.-17.11.2012, Rome, Italy
- Events during the month of “Movember” on male reproductive health
21.11.2016: Interview on “Cape Talk Radio”, Cape Town, South Africa
28.11.2016: Interview on “The Voice of the Cape”, Cape Town, South Africa
- 17.11.2017: Interview on “The Voice of the Cape” on Male Infertility, Cape Town, South Africa
- 30.04.2019: interview for podcast on fertility issues on BBC Radio, London, UK

Keynote Addresses

- Opening keynote address at the 2nd China-Africa Cooperation and Development Forum for Chinese Medicine, 15 – 16 March 2014, Cape Town, South Africa

Post-graduate Student Supervision

- 75 post-graduate students (19 Hons, 21 MSc, 31 MD/PhD)
- 6 post-doctoral students

Examination of Theses

- 6 MSc and 5 PhD theses.

Commissional work at the Department, Faculty and University

Member of various academic committees at Departmental, Faculty and University level including Post-graduate Committee, Research Committee, Planning Committee, Appointments Committee, Senate Higher Degrees Executive Committee

Teaching

Regular teaching of medical and biomedical students with class sizes between 10 and 120 students. Teaching include lectures and practicals.

Recently, a student who I taught at Cleveland Clinic gave the following feedback: “I wanted to share with you that I got 100 percent on my patient care presentation in med school today. We had to make a Powerpoint presentation and talk 30 minutes. The feedback that I received was that I ‘set the bar very high’. The Powerpoint slides looked professional and my delivery of the information was clear, concise and engaging. I want to thank you for teaching me those skills in the last year summer internship! Certainly, people are taking notice!”

List of Publications, Awards

Original papers published/accepted: **225**

Reviews published/accepted: **89**

Book chapters published/accepted: **50**

Books edited: 3; 2 books in planning

Awards received: 16

Original papers (since 2020):

1. Harlev A, Henkel R, Samanta L, Reeva P, Al-Tamimi I, Abdelaziz M, Abuyyash M, Alzaaqui A, Bamajbuor F, Agarwal A (2020)
Ritalinic acid stimulates human sperm motility and maintains vitality *in vitro*.
World J Mens Health 38: 61-67
2. Hekim N, Gure MA, Metin Mahmutoglu A, Gunes S, Asci R, Henkel R (2020)
SNP's in xenobiotic metabolism and male infertility.
Xenobiotica 50: 363-370
3. Golshan Iranpour F, Nateghian Z, Henkel R, Dashti GR (2020)
Effects of temperature and storage time on the motility, viability, DNA integrity and apoptosis of processed human spermatozoa.
Andrologia 52: e13485
4. Palani A, Sengupta P, Agarwal A, Henkel R (2020)
Geographical differences in semen characteristics: Comparing semen parameters of infertile men of the United States and Iraq.
Andrologia. 2020 Jan 31:e13519. doi: 10.1111/and.13519. [Epub ahead of print]
5. Arafa M, Agarwal A, Majzoub A, Panner Selvam MK, Baskaran S, Henkel R, Elbardisi H (2020)
Efficacy of antioxidant supplementation on conventional and advanced sperm function tests in patients with idiopathic male infertility.
Antioxidants 9: 219; doi:10.3390/antiox9030219
6. Panner Selvam MK, Agarwal A, Henkel R, Finelli R, Robert K, Iovine C, Baskaran S (2020)
The effect of oxidative and reductive stress on semen parameters and functions of physiologically normal human spermatozoa.
Free Rad Biol Med 152: 375-385

7. Khashavi Z, Koohnavard F, Homaei A, Kamrani E, Spinaci M, Luwor R, Archang M, Agarwal A, Henkel R (2020)
Novel additive for sperm cryopreservation media: *Holothuria parva* coelomic cavity extract protects human sperm against oxidative stress – A pilot study.
Andrologia 23: e13604. doi: 10.1111/and.13604
8. Saleh R, Elsuity M, Henkel R, Agarwal A (2020)
High levels of oxidation-reduction potential in frozen-thawed human semen are significantly correlated with poor post-thaw sperm quality.
Andrologia 30: e13608. doi: 10.1111/and.13608
9. Arafa M, Henkel R, Agarwal A, Robert K, Finelli R, Majzoub A, Elbardisi H (2020)
Seminal oxidation-reduction potential levels are not influenced by the presence of leukocytospermia.
Andrologia 2020;00:e13609. <https://doi.org/10.1111/and.13609>
10. Hassanen E, Elqusi K, El Tanbouly S, Hussin AE, El Khedr H, Zaki H, Henkel R, Agarwal A (2020)
PICSI vs. MACS for abnormal sperm DNA fragmentation ICSI cases: a prospective randomized trial.
J Assist Reprod Genet. 2020 Aug 8. doi: 10.1007/s10815-020-01913-4. Online ahead of print.
11. Agarwal A, Baskaran S, Panner Selvam MK, Finelli R, Barbarosie C, Robert KA, Iovine C, Master K, Henkel R (2020)
Scientific landscape of oxidative stress in male reproductive research: A scientometric study.
Free Radic Biol Med. 2020 May 18;S0891-5849(20)30616-X. doi: 10.1016/j.freeradbiomed.2020.05.008. Online ahead of print.
12. Moichela FT, Adefolaju GA, Henkel RR, Opuwari CS (2020)
Aqueous leaf extract of *Moringa oleifera* reduced intracellular ROS production, DNA fragmentation and acrosome reaction in Human spermatozoa in vitro.
Andrologia. 2020; Nov 22: e13903.
13. Agarwal A, Panner Selvam MK, Baskaran S, Finelli R, Leisegang K, Barbăroșie C, Pushparaj PN, Robert KA, Ambar R, Iovine C, Durairajanayagam D, Henkel R (2020)
A scientometric analysis of research publications on male infertility and assisted reproductive technology.
Andrologia. 2020 Nov 24:e13842. doi: 10.1111/and.13842. Online ahead of print.
14. Hekim N, Gunes S, Asci R, Henkel R, Abur U (2020)
Semi-quantitative promoter methylation of MLH1 and MSH2 genes and their impact on sperm DNA fragmentation and chromatin condensation in infertile men.
Andrologia. 2020 Oct 28;e13827. doi: 10.1111/and.13827. Online ahead of print.
15. Leisegang K, Almaghrawi W, Henkel R (2021)
The effect of *Nigella sativa* oil and metformin on male seminal parameters and testosterone in Wistar rats exposed to an obesogenic diet.
Biomed Pharmacother 133: 111085
16. Metin Mahmutoglu A, Gunes S, Asci R, Henkel R, Aydin O (2021)
Association of XRCC1 and ERCC2 promoters' methylation with chromatin condensation and sperm DNA fragmentation in idiopathic oligoasthenoteratozoospermic men.
Andrologia 2020;00:e13925.
17. Agarwal A, Leisegang K, Majzoub A, Henkel R, Finelli R, Panner Selvam MK, Tadros N, Parekh N, Ko EY, Cho CL, Arafa M, Alves MG, Oliveira PF, Alvarez JG, Shah R (2021)
Utility of antioxidants in the treatment of male infertility: Clinical guidelines based on a systematic review and analysis of evidence.
World J Mens Health 39: 233-290

18. Agarwal A, Leisegang K, Panner Selvam MK, Durairajanayagam D, Barbarosie C, Finelli R, Sengupta P, Dutta S, Majzoub A, Pushparaj PN, Elbardisi H, Sharma R, Gupta S, Arafa M, Roychoudhury S, Alves MG, Oliveira PF, Henkel R (2021)
An online educational model in andrology for student training in the art of scientific writing in the COVID-19 pandemic.
Andrologia. 2021 Jan 25;e13961. doi: 10.1111/and.13961. Online ahead of print.
19. Baskaran S, Agarwal A, Henkel R, Natesan Pushparaj P, Panner Selvam MK, Leisegang K (2021)
An in-depth bibliometric analysis and current perspective on male infertility research.
World J Men's Health 39: 302-314
20. Majzoub A, ElBardisi H, Covarrubias S, Mak N, Agarwal A, Henkel R, ElSaid S, Al-Malki AH, Arafa M (2021)
Effect of microsurgical varicocelectomy on fertility outcome and treatment plans of patients with severe oligozoospermia: An original report and meta-analysis.
Andrologia. 2021;00: e14059
21. Agarwal A, Panner Selvam MK, Baskaran S, Finelli R, Leisegang K, Barbăroșie C, Pushparaj PN, Robert KA, Ambar RF, Iovine C, Durairajanayagam D, Henkel R (2021)
Highly cited articles in the field of male infertility and antioxidants: A scientometric analysis.
World J Mens Health Published online Feb 8, 2021; <https://doi.org/10.5534/wjmh.200181>
22. Agarwal A, Finelli R, Panner Selvam MK, Leisegang K, Majzoub A, Tadros N, Ko E, Parekh N, Henkel R, Durairajanayagam D, Colpi GM, Cho CL, Sallam HN, Park HJ, Saleh R, Micic S, Ambar RF, Zini A, Tremellen K, Alvarez JG, Palani A, Arafa M, Gava MM, Jindal S, Amar E, Kopa Z, Moein MR, Busetto GM, Sengupta P, Kavoussi P, Maldonado I, Fikri J, Borges Jr. E, Martinez M, Bojovic D, Rajmil O, Aydos K, Parekattil S, Marmar JL, Sefrioui O, Jungwirth A, Rodriguez Peña MG, Cordts EB, Elbardisi H, Mostafa T, Sabbaghian M, Gilani MAS, Morimoto Y, Alves MG, Spasic A, Kenic U, Ramsay J, Akande EO, Oumeziane A, Dozortsev D, Chung E, Bell EG, Allegra A, Tanos V, Fiadjoe M, Gurgan T, Abou-Abdallah M, Al-Rumaih H, Oborna I, Arab H, Esteves S, Amer M, Kadioglu A, Yuzko O, Korsak V, Shah R (2021)
A global survey of reproductive specialists to determine the clinical utility of oxidative stress testing and antioxidant use in male infertility.
World J Mens Health. 2021 Apr 1. doi: 10.5534/wjmh.210025. Online ahead of print.
23. Takalani NB, Adefolaju GA, Henkel R, Opuwari CS (2021)
In vitro effects of aqueous extract of fermented rooibos (*Aspalathus linearis*) on human sperm function.
Andrologia. 2021;00: e14114
24. Elbardisi H, Majzoub A, Daniel C, Al Ali F, Elesnawi M, Khalafalla K, Agarwal A, Henkel R, Alattar A, Al-Emadi I, Arafa M (2021)
Endocrine contribution to the sexual dysfunction in patients with advanced chronic kidney disease and the role of hyperprolactinemia.
Andrologia. 2021 Jun 5;e14135. doi: 10.1111/and.14135. Online ahead of print.
25. Agarwal A, Finelli R, Durairajanayagam D, Leisegang K, Sharma R, Gupta S, Singh N, Belo A, Darbandi M, Madani S, Covarrubias S, Darbandi S, Sadeghi R, Pompeu C, Boitrelle F, Kandil H, Saleh R, Arafa M, Vogiatzi P, Maldonado Rosas I, Anagnostopoulou C, Chockalingam A, Athayde Wirka K, Sallam HN, Shah R, Henkel R (2021)
A web-based global educational model for training in semen analysis during the COVID-19 pandemic.
World J Mens Health. 2021 Jun 17. doi: 10.5534/wjmh.210075. Online ahead of print.
26. Khalafalla K, Majzoub A, Elbardisi H, Bhatthella A, Chaudhari A, Agarwal A, Henkel R, AlMarzooki T, Burjaq H, Arafa M (2021); The effect of sperm DNA fragmentation on intracytoplasmic sperm injection outcome. *Andrologia*. 2021 Jul 11;e14180. doi: 10.1111/and.14180. Online ahead of print.

27. Coria-Gómez CR, Torres-Rodríguez P, Villar-Muñoz LG, Jiménez-Medina I, Agarwal A, Henkel R, Maldonado-Rosas I, Treviño CL (2021); Comparative study of fertility parameters in vitrified human spermatozoa in the presence or absence of EmbryoORP® : A novel antioxidant. *Andrologia* 53: e13886
28. Khalafalla K, Majzoub A, Elbardisi H, Bhatthella A, Chaudhari A, Agarwal A, Henkel R, AlMarzooki T, Burjaq H, Arafa M (2021)
The effect of sperm DNA fragmentation on intracytoplasmic sperm injection outcome. *Andrologia*. 2021 Jul 11;e14180. doi: 10.1111/and.14180. Online ahead of print.
29. Finelli R, Darbandi S, Pushparaj PN, Henkel R, Ko E, Agarwal A (2021)
In Silico sperm proteome analysis to investigate DNA repair mechanisms in varicocele patients. *Front Endocrinol (Lausanne)* 12: 757592
30. Agarwal A, Leisegang K, Panner Selvam MK, Durairajanayagam D, Barbarosie C, Finelli R, Sengupta P, Dutta S, Majzoub A, Pushparaj PN, Elbardisi H, Sharma R, Gupta S, Arafa M, Roychoudhury S, Alves MG, Oliveira PF, Henkel R (2021)
An online educational model in andrology for student training in the art of scientific writing in the COVID-19 pandemic. *Andrologia* 53: e13961
31. Metin Mahmutoglu A, Hurre Dirie S, Hekim N, Gunes S, Asci R, Henkel R (2021)
Polymorphisms of androgens-related genes and idiopathic male infertility in Turkish men. *Andrologia*. 2021 Oct 10;e14270. doi: 10.1111/and.14270. Online ahead of print.
32. Hologlu D, Gunes S, Asci R, Henkel R, Guvenc T (2021)
Association among sperm chromatin condensation, sperm DNA fragmentation and 8-OHdG in seminal plasma and semen parameters in infertile men with oligoasthenoteratozoospermia. *Andrologia*. 2021 Oct 10;e14268. doi: 10.1111/and.14268. Online ahead of print.
33. Rimmer MP, Howie RA, Anderson RA, Barratt CLR, Barnhart KT, Beebeejaun Y, Bertolla RP, Bhattacharya S, Björndahl L, Bortoletto P, Brannigan RE, Cantineau AEP, Caroppo E, Collura BL, Coward K, Eisenberg ML, De Geyter C, Goulis DG, Henkel RR, Ho VNA, Hussein AF, Huyser C, Kadijk JH, Kamath MS, Khashaba S, Kobori Y, Kopeika J, Kucuk T, Luján S, Matsaseng TC, Mathur RS, McEleny K, Mitchell RT, Mol BW, Murage AM, Ng EHY, Pacey A, Perheentupa AH, Du Plessis S, Rives N, Sarris I, Schlegel PN, Shabbir M, Śmiechowski M, Subramanian V, Sunkara SK, Tarlarzis BC, Tüttelmann F, Vail A, van Wely M, Vazquez-Levin MH, Vuong LN, Wang AY, Wang R, Zini A, Farquhar CM, Niederberger C, Duffy JMN (2022)
Protocol for developing a core outcome set for male infertility research: an international consensus development study. *Hum Reprod Open*. 2022 Mar 16;2022(2):hoac014. doi: 10.1093/hropen/hoac014. eCollection 2022.
34. Takalani NB, Adefolaju GA, Henkel RR, Opuwari CS (2022)
In vitro effects of aqueous extract of unfermented rooibos on human spermatozoa. *Andrologia*. 2022 May 11;e14452. doi: 10.1111/and.14452. Online ahead of print.
35. Agarwal A, Finelli R, Durairajanayagam D, Leisegang K, Henkel R, Salvio G, Aghamajidi A, Sengupta P, Crisóstomo L, Tsioulou PA, Roychoudhury S, Finocchi F, Darbandi M, Mottola F, Darbandi S, Iovine C, Santonastaso M, Zaker H, Kesari KK, Nomanzadeh A, Gughani N, Rambhatla A, Duran MB, Ceyhan E, Kandil H, Arafa M, Saleh R, Shah R, Boitrelle F (2022)
Comprehensive analysis of global research on human varicocele: A scientometric approach. *World J Mens Health*. 2022 Jan 25. doi: 10.5534/wjmh.210202. Online ahead of print.

Reviews (since 2020):

1. Gunes S, Sengupta P, Henkel R, Alguraigari A, Marques Sinigaglia M, Kayal M, Joumah A, Agarwal A (2020)
Microtubular dysfunction and male infertility. *World J Mens Health* 38: 9-23

2. Fesahat F, Henkel R, Agarwal A (2020); Globozoospermia syndrome: An update. *Andrologia* 52: e13459
3. Panner SelvamMK, Finelli R, Agarwal A, Henkel R (2020) Evaluation of oxidation-reduction potential in male infertility. *Andrologia* 2020;00:e13610. <https://doi.org/10.1111/and.13610>
4. Leisegang K, Sengupta P, Agarwal A, Henkel R (2020) Obesity and male infertility: Mechanisms and management. *Andrologia* 2020;00:e13617. <https://doi.org/10.1111/and.13617>
5. Baskaran S, Finelli R, Agarwal A, Henkel R (2020) Diagnostic value of routine semen analysis in clinical andrology. *Andrologia* 2020;00:e13614. <https://doi.org/10.1111/and.13614>
6. Gupta S, Finelli R, Agarwal A, Henkel R (2020) Total antioxidant capacity - Relevance, methods and clinical implications. *Andrologia* 2020;00:e13624. <https://doi.org/10.1111/and.13624>
7. Baskaran S, Finelli R, Agarwal A, Henkel R (2020) Reactive Oxygen Species in Male Reproduction: A Boon or a Bane? *Andrologia*. 2020 Apr 9:e13577. doi: 10.1111/and.13577. Online ahead of print.
8. Selvaraju V, Baskaran S, Agarwal A, Henkel R (2020) Environmental contaminants and male infertility: Effects and mechanisms. *Andrologia*. 2020 May 24:e13646. doi: 10.1111/and.13646. Online ahead of print.
9. Barbarosi C, Agarwal A, Henkel R (2020) Diagnostic value of advanced semen analysis in evaluation of male infertility. *Andrologia* 26: e13625. doi: 10.1111/and.13625. Online ahead of print.
10. Panner Selvam MK, Baskaran S, Agarwal A, Henkel R (2020) Protein profiling in unlocking the basis of varicocele-associated infertility. *Andrologia* 2020 May 26:e13645. doi: 10.1111/and.13645. Online ahead of print.
11. Durairajanayagam D, Singh D, Agarwal A, Henkel R (2020) Causes and consequences of sperm mitochondrial dysfunction. *Andrologia* 2020 Jun 8:e13666. doi: 10.1111/and.13666. Online ahead of print.
12. Panner Selvam MK, Ambar R, Agarwal A, Henkel R (2020) Etiologies of sperm DNA damage and its impact on male infertility. *Andrologia*. 2020 Jun 19:e13706. doi: 10.1111/and.13706. Online ahead of print.
13. Agarwal A, Majzoub A, Baskaran S, Panner Selvam MK, Cho CL, Henkel R, Finelli R, Leisegang K, Sengupta P, Barbarosie C, Parekh N, Alves MG, Ko E, Arafa M, Tadros N, Ramasamy R, Kavoussi P, Ambar R, Kuchakulla M, Robert KA, Iovine C, Durairajanayagam D, Jindal S, Shah R (2020) Sperm DNA fragmentation: A new guideline for clinicians. *World J Men's Health* 2020 Aug 6. doi: 10.5534/wjmh.200128. Online ahead of print.
14. Sharma R, Iovine C, Agarwal A, Henkel R (2020) TUNEL assay-Standardized method for testing sperm DNA fragmentation. *Andrologia*. 2020 Jul 24:e13738. doi: 10.1111/and.13738. Online ahead of print.
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