

Abdelmoneim I. Younis, DVM, MS, PhD, HCLD(ABB)

Phones: Office- 478-757-7888, Cell Phone: 770-8265257; Fax 478-757-7887

EXPERINCE:

- Extensive research experience in studying mammalian oocyte, sperm and embryo cryobiology and development.

EDUCATION:

Years	Degree	Fields	Institutions & Locations
1988-1991	PhD	Embryology & Physiology	College of Veterinary Medicine, University of Georgia, Athens, GA, USA
1987-1988	MS	Embryology & Physiology	College of Veterinary Medicine, University of Georgia, Athens, GA, USA
1978-1983	BVSC (DVM)	Veterinary Medicine	Faculty of Veterinary Medicine, University of Khartoum, Khartoum, Sudan.

WORK EXPERINCE:

2006-Present

Associate Professor, Dept. of OB/GYN, Mercer University School of Medicine. And Embryologist and Director of IVF Program, Central Georgia Fertility Institute, Medical Center of Central Georgia. 4075 Elnora Dr. Macon, GA 31210. E-mail: Younis.abdelmoneim@mccg.org

Adjunct Research Scientist, Yerkes National Primate Research Center. Emory University. Atlanta, GA 30322. ayounis@emory.edu

Duties:

- In charge of human embryology, Andrology and endocrinology labs.
- Personally perform all aspects of human assisted reproductive technology procedures.
- Responsible for clinical laboratory accreditation, personnel, quality management and laboratory policies and procedures in accordance with the Georgia State, CLIA, JCHCO, FDA and SART.
- Responsible for implementing the new FDA rules regarding egg and sperm Donor programs
- Teach and train GYN/OB residence and REI fellows to laboratory aspect of ART including IUI, and IVF.

2003- 2005

Assistant Professor, Dept. of GYN/OB, Emory University School of Medicine
Embryologist and Scientific Director, IVF program of Emory Reproductive Center , Atlanta, GA 30308

1998-2003

Embryologist and Director of Andrology laboratory at Emory Center for Reproductive Medicine & Fertility.

1993-1998

Research Associate, Section of Reproductive Biology (promoted to Research Scientist in 1995), Division of Molecular Medicine, Yerkes Regional Primate Research Center, Emory University, Atlanta, GA.

1991-1993:

Instructor of Comparative Pathology, Department of Comparative Medicine, Harvard University Medical School.

Assistant Reproductive Biologist, Division of Reproductive Technology, The New England Primate Research Center, Harvard University, Boston, MA.01210

CONSULTANSHIP & LECTURESHIPS:

- Member of **ASRM** abstract review committee 2004.
- Moderator of Reproductive Biology Abstract sessions during 2004 ASRM.
- Scientific Reviewer, NIH-NCRR Special Site Visit Reviewer for a new research facility, Southwest Regional Primate Research Center, San Antonio, Texas 1998.
- External Scientific Reviewer for grants submitted to Smithsonian Institution's Scholarly Studies Program.
- Reviewer of articles for Theriogenology and Biology of Reproduction journals. 1992, 1995.
- Consultant to various private individuals and organizations concerning aspects of oocyte biology, cryopreservation and embryo transfer in primate and domestic animals. 1992-1997.
- Co-organizer of an NIH-NCRR funded International workshop to evaluate current methods for cryopreservation of gametes and embryos in several genera from Teleost to Primate (including human) in Atlanta, Georgia. Sponsored by National Institute of Health and Yerkes Primate Center March 1998.
- International Embryo Transfer Conference, 1995, Salt Lake Utah, USA. Title of talk: "Ovarian response and in vitro fertilization of chimpanzee oocytes.
- International Workshop of Comparative Gamete And Embryo Cryopreservation Workshop. Atlanta, Georgia. March 19-20, 1998. Title of talk: "Potential Use of EGTA during Cryopreservation of primate oocytes".

TEACHING EXPERIENCE:

2006-Present: Faculty member in the Department of Obstetrics & Gynecology, College of Medicine, Mercer University. Teaching medical students and GY/OB residence and talk in grand rounds.

2003-2005: Faculty member in the Department of Gynecology and Obstetrics, College of Medicine, Emory University. Teaching medical students and supervising GY/OB residence and REI fellows

1993-1998: Life Science Faculty member at Emory University and Yerkes primate center. Teaching undergraduate students reproductive biology.

1991-1993: Faculty Instructor of comparative Pathology, Harvard Medical School, Harvard University. Mentoring students reproductive technology.

1983-1986: Teaching Assistance, Dept of Veterinary Obstetrics and Gynecology, U of Khartoum.

RESEARCH SUPPORT (current and past):

1. New approach for oocyte cryopreservation in monkeys and human.

Co-PI (PI: Kenneth G Gould). Funded by NIH, 2006-current

Role: (7% effort) Responsible with oocyte retrieval, culture, freezing and freezing of semen. Perform ICSI procedures as required by the research protocol.

2. Establishment of chimpanzee (Pan troglodytes) embryonic stem cell.

Co-PI (PI: Anthony Chan). Submitted to NIH/NCRR, not funded

Role: (7% effort) Assist with oocyte retrieval, culture, ICSI and embryo transfer and responsible for analysis of estradiol and progesterone.

3. Artificial Breeding and Research of Chimpanzees.

Co-PI (PI: Kenneth G Gould). 1993-1997

Role: (50% effort) Responsible for all aspect of assisted reproductive technology in chimpanzees

4. Artificial Breeding and Research of Chimpanzees.-Supplement

Role: PI, (100%) \$36,500 annual direct cost, 1994-1998. NIH/NCRR

5. Production and Cryopreservation of Chimpanzee Embryos.

Role: PI, (10%) Submitted 1997 to NIH/NCRR, not funded.

6. Production of Identical Monkeys for AIDS Research.

Co-PI (PI: Kenneth G Gould). Submitted 1996 to NIH/NCRR, not funded.

7. Cryobiology of non-human primate oocytes.

Role: PI, (50%) Submitted 1992 to NIH/NCHD, Approved but not funded

8. Support for New England Primate Research Center.

Co-PI (PI: D. Tosteson, Dean Harvard Medical School) 1991. NIH-NCRR

Role: 50%

9. Cryopreservation of immature and mature primate oocytes and spermatozoa.

Role: PI, (100%) \$12000 Milton Fund, Harvard University 1991

PUBLICATIONS & PRESENTATIONS:

1. Mahdi O Garelnabi, **Abdelmoniem Younis**, Emir Veledar, Jerome Abramson, Jill White-Welkley, William Weintraub, Sampath Parthasarathy, Higher Estrogen Levels Protect Against Oxidative Stress Induced by Exercise, *Arterioscler Thromb Vasc Biol.* 26 (5) E 100, 2006.
2. M.O.Garelnabi, E. Veledar, J. Abramson, D. Earle, B. Petro, J. White-Welkley, **A. Younis**, W. Weintraub, S. Parthasarathy. Sex Hormones and Oxidative Stress Markers in Exercising Women: A Randomized Clinical Trial. *Clinical Chemistry*, 51 (6) A4, 2005.
3. Mahdi O Garelnabi, Emir Veledar, Jerome Abramson, **Abdelmoniem Younis**, Drex Earle, Brandon Petro, Jill White-Welkley, William Weintraub. Effect of Sex Hormones and Vitamin E on Exercising Women Oxidative Stress Status A Randomized Clinical Trial. *Vasc Biol. Biol.* 25 (5): E100, May 2005.
4. Mogas T, **Younis AI**, Keskinetepe L, & Brackett BG. Effects of EGTA and Slow Freezing of Bovine Oocytes on Post-Thaw Development *In vitro*. *Mol. Reprod.Dev.* 52:86-98, 1999.
5. **Younis, A I**, Beth Rooks , Saba Khan , and K G. Gould The Effects of Antifreeze Peptide-III (AFP) and Insulin Transferrin Selenium (ITS) on Cryopreservation of Chimpanzee (*Pan troglodytes*) Spermatozoa. *J. Andrology* 19:207-214, 1998.
6. **Younis AI**, L.Keskinetepe , A.A.Simplicio, K. Gould, and B.G.Brackett Effects Of EGTA And Cytochalasin-B During Freezing And Vitrification Of Immature And Mature Bovine And Rhesus Monkey (*M. Mulatta*) Oocytes. *Theriogenology* 47:361, 1997.
7. **Younis AI**, Toner M, Biggers JD. Cryobiology of non-human primate oocytes. *Human Reproduction* 11:156-165, 1996.
8. **Younis AI**, Gould KG, R. Stavisky. Ovarian Response in the Chimpanzee (*Pan Troglodytes*) Using Decreasing Doses of hFSH & hLH. *Theriogenology* 45:326, 1996.

9. **Younis AI**, Gould KG. Influence Of Antifreeze Glycoprotein (AFGP) On Preservation Of Motility Characteristics Of Frozen Thawed Chimpanzee Spermatozoa. Biol. Reprod. 54:186 Suppl 1, Abstr# 517, 1996.
10. **Younis AI**, Gould KG, Phythyon S, Johnson J. Production of monkey embryos from *in vivo* and *in vitro* matured oocytes. Theriogenology 43:362, 1995.
11. Keskinetepe L, Darwish JM, **Younis AI**, Brackett, BG. In vitro development of morulae from immature caprine oocytes. ZYGOTES 1994; 9:2-6.
12. **Younis AI**, Seghal PK, Biggers JD. Antral follicle development and in vitro maturation of oocytes from macaques stimulated with a single subcutaneous PMSG injection. Human Reproduction 9 (11):2130-2134, 1994.
13. Biggers JD, **Younis AI**, Albertini D, Becker R, Seghal P. In Vitro Meiotic Development and Maturation of Oocytes are Related to Their Preantral Follicle Size in the Rhesus Monkeys. Theriogenology 39:345, 1993.
14. **Younis AI**, Toner M, Albertini DF, Biggers JD. Cryobehavior of non-human primate oocytes. Biol. Reproduction 1994; 50: 188.
15. **Younis AI**, Brackett BG. Thyroid Stimulating Hormone (TSH) enhancement of in vitro maturation cow oocytes. Molecular Reprod. & Development. 31:144-151. 1992.
16. **Younis AI**, Zuelke KA, Harper KM, Oliveira MAL, Brackett BG. In vitro fertilization of goat oocytes. Biol. Reprod. 1991; 44:1177-1182.
17. **Younis AI**, Brackett BG. Importance of cumulus cells and insemination intervals on development of bovine oocyte into morula and blastocyst. Theriogenology, 36:11-21, 1991. Keefer CL.
18. **Younis AI**, Brackett BG. Cleavage development following fertilization of bovine oocyte by sperm injection. Molecular Reproduction and Development 1990; 25:281-285.
19. **Younis AI**, Brackett BG, Fayer-Hosken RA. Influence of serum and hormones on bovine oocyte maturation and fertilization in vitro. Gamete Research 1989; 23:189-201.
20. Brackett BG, **Younis AI**, Fayer-Hosken RA. Enhanced viability after in vitro fertilization of bovine oocytes matured in vitro with high concentrations of luteinizing hormone. Fertil. Steril. 1989; 52:319-324.
21. Fayer-Hosken RA, **Younis AI**, Brackett BG, McBride EE, Harper KM, Keefer CL, Cabaniss DA. Laparoscopic oviductal transfer of in vitro matured and in vitro fertilized bovine oocytes resulting in offspring. Theriogenology 1989; 32:413-420. **Younis AI**, Keefer CL, Brackett BG. Fertilization of bovine oocyte by sperm injection. Theriogenology 31:276, 1989.
22. Harper KM, **Younis AI**, Zuelke KA, Brackett BG. Early bovine embryo development during culture in different estrous stage oviductal cells suspension supernatant. Biol. Reprod. 40 (Suppl 1): 121, 1989.
23. Zuelke KA, **Younis AI**, Brackett BG. Enhanced maturation of bovine oocyte with and without protein supplementation. Serono Symposium on Fertilization in Mammals, Boston, MA Abstr. 25:47, 1989.

PROFESSIONAL MEMBERSHIPS:

1988-P	ASRM (American Society for Reproductive Medicine)
2004-P	ESHRE (European Society for Human Reproduction & Embryology)
1988-P	International Embryo Transfer Society
1988-1999	Society for the Study of Reproduction. SSR
1993-99	Society for Cryobiology.
1998-P	Southeastern Clinical Embryologist Association
2000-P	American Association of Bioanalysis