

European College of Animal Reproduction

Suggested Reading for ECAR Residents



Disclaimer

The literature included in this reading list represents a selection of recommended resources intended to support preparation for the ECAR College examination. It is not intended to be a comprehensive or exhaustive list of all relevant sources or topics that may be covered on the exam.

While the recommended literature provides valuable background knowledge and guidance, it does not guarantee that all examination questions can be answered fully or in detail based solely on the information contained in these materials. Candidates are encouraged to supplement their preparation with additional relevant resources, current literature, and their own critical study of the subject matter.

Reading List ECAR – General Part

General Knowledge (physiology, endocrinology, pathology,...)

- Veterinary Reproduction and Obstetrics – Noakes, 10th Edition (2019); Elsevier
- Pathways to Pregnancy and Parturition – Senger, 3rd Edition (2012); Current Conceptions, Inc.
- Current Therapy in Large Animal Theriogenology – Youngquist, 2nd Edition (2007); Saunders, Elsevier
- Color Atlas of Reproductive Pathology of Domestic Animals – Buergelt, (2007); Mosby
- Kirkbride's Diagnosis of Abortion and Neonatal Loss in Animals, 4th Edition (2011); Wiley-Blackwell
- Jubb, Kennedy & Palmer's Pathology of Domestic Animals: Volume 3 – Chapters 4 and 5, 6th Edition (2015); Elsevier

Small Animals

- BSAVA Manual of Canine and Feline Reproduction and Neonatology – England & Von Heimendahl, 2nd Edition (2010)
- Clinical Canine and Feline Reproduction: Evidence based answers – Kustritz (2010); Wiley-Blackwell
- WSAVA Guidelines for the control of reproduction in dogs and cats. Executive Summary (<https://wsava.org/wp-content/uploads/2024/06/Executive-Summary.pdf>)

- WSAVA. Manual of Canine and Feline Emergency and Critical Care (Chapter 15) – King & Boag, (2019), 3rd edition
- Mariusz P. Kowalewski: Papers on Canine Pregnancy

Biotechnology

- Equine Embryo Transfer – McCue & Squires, (2015); Teton NewMedia
- Bovine Reproduction (Chapters on Superovulation, ET, Semen Handling/AI, Cloning) – Hopper, 2nd Edition (2021); Wiley Blackwell
- Manual of the International Embryo Transfer Society – IETS, 5th Edition (2023)
- Animal Biotechnology 1: Reproductive Biotechnologies – Niemann & Wrenzycki, (2018); Springer

Porcine

- The gestating and lactating sow – C. Farmer, (2015); Wageningen Academic Publishers
 - Chapter 1: Conditioning of the gilt for optimal reproductive performance
 - Chapter 7: Transition feeding of sows
 - Chapter 8: Colostrum and milk production
 - Chapter 10: Housing, management and environment during farrowing and early lactation
 - Chapter 11: Piglet mortality: Causes and prevention
 - Chapter 17: Best practices in the lactating and weaned sow to optimize reproductive physiology and performance
- Diseases of swine – Zimmerman, Burrough, Karriker, Schwartz, & Zhang, 12th Edition (2025); Wiley Blackwell
 - Chapter 18: Diseases of Mammary system
 - Chapter 20: Diseases of Reproductive system
- Advances in Pig Breeding and Reproduction – Jason Ross, (2025); Burleigh Dodds Science Publishing Cambridge, UK
 - Chapter 10: Tools and strategies for optimizing reproductive performance of sows
- Optimising pig herd health and production – D. Maes and J. Segalés, (2022); Burleigh Dodds Science Publishing Limited, Cambridge
 - Chapter 14: Optimizing the health of gilts and sows during pregnancy and parturition

Equine

- Equine Reproductive Procedures – Dascanio & McCue, (2014); Wiley-Blackwell
- Manual of Equine Reproduction – Brinsko, 3rd Edition (2011); Mosby

Ruminants

- Examination of Bulls for Breeding Soundness An Illustrated Guide – Teagasc (2018) – PDF can be found online (<https://teagasc.ie/?s=bulls+for+breeding>)
- Veterinary Clinics of North America: Food Animal Practice
 - Issues on Reproduction, Mastitis/Mammary Gland in Ruminants
 - Volume 41, Issue 2 – Mastitis in Ruminants, Pages 137-296 (July 2025)
 - Volume 34, Issue 3 – Mastitis, Pages 389-536 (November 2018)
 - *Other Issues available*

Exotics

- Reproductive Medicine in Exotic Animal Species – Veterinary Clinics: Exotic Animal Practice, Volume 20, Issue 2, May 2017

Journals

- Animal Reproduction Science International
- Journal of Andrology Biology of Reproduction
- Domestic Animal Endocrinology
- Journal of Andrology Reproduction (see also Journal of Reproduction and Fertility; Reviews of Reproduction (by JRF))
- Reproduction in Domestic Animals
- Theriogenology

Websites

- IVIS (<http://www.ivis.org>)
- The Drost Project (<http://www.drostproject.org/>)
- Senger Lecture & Review Quiz Material: John Parrish – Winsconsin (https://www.ansci.wisc.edu/jjp1/ansci_repro/index.html)
- <https://www.iets.org/>

The literature listed below, for the subspecialties, is in addition to the above listed literature for the General Part.

Subspecialty Small Animals

Small Animals Reproduction

- Canine and Feline Theriogenology – Johnston, Root Kustritz & Olson, (2001); Saunders.
- WSAVA guidelines for the control of reproduction in dogs and cats (<https://www.animalshealth.es/fileuploads/user/PDF/2024/05/Directrices-Control-Reproduccion-Asociacion-Mundial-Veterinarios-Pequeños-Animales-wsava.pdf>)
- Canine and Feline Endocrinology and Reproduction – Feldman & Nelson, 3rd edition (2004); Elsevier
- Clinical Endocrinology of Dogs and Cats – Rinjberk & Kooistra , 2nd edition (2010); Schluetersche.
- Feline Reproduction – Johnson & Kutzler (2022); Cabi.

Neonatology

- Small Animal Pediatrics – The first 12 months of life. Peterson & Kutzler, (2001); Saunders.
- RECOVER Guidelines: Newborn Resuscitation in Dogs and Cats – Clinical guidelines (<https://onlinelibrary.wiley.com/doi/10.1111/vec.70013>)

Subspecialty Biotechnology

- Animal Biotechnology 2 : Emerging breeding technologies– Niemann & Wrenzycki, (2018); Springer
- Equine reproductive procedures- John Dascanio and Patrick McCue
- BSAVA Manual of Canine and Feline Reproduction and Neonatology – England & Von Heimendahl, 2nd Edition (2010) – Section regarding ART
- Essentials of Domestic Animal Embryology- Poul Hyttel and Fred Sinowatz, (2009); Saunders Elsevier

Subspecialty Equine

Books

- Ginther, OJ. (1992) Reproductive Biology of the Mare, Basic and Applied Aspects 2nd Edition, Equiservices, Publishing, Cross Plains, Wisconsin
- Ginther, OJ. (1995) Ultrasonic Imaging and Animal Reproduction: Horses (Book 2), Equiservices, Publishing, Cross Plains, Wisconsin.
- McKinnon, AO and Voss, JL. (2011) Equine Reproduction, 2nd edition Blackwell Publishing Ltd.
- Paradis, M.R. (2006) *Equine Neonatal Medicine: A Case-Based Approach*. Saunders Elsevier, Philadelphia, Pennsylvania. ISBN: 9781416023531.
- Reef, V.B. (1998) *Equine Diagnostic Ultrasound*. W.B. Saunders, Philadelphia, Pennsylvania.

Journals

- Current reviews in e.g. Equine Veterinary Journal, Equine Veterinary Education, Journal of Equine Veterinary Sciences (Special Issues - European Symposium on Equine Reproduction (ESER), International Symposium on Equine Reproduction (ISER), International Symposium on Stallion Reproduction (ISSR), International Symposium on Equine Embryo Transfer (ISEET)), Veterinary Clinics of North America.

Websites

- IVIS (<http://www.ivis.org>)

Subspecialty Ruminants

Bovine Reproduction

- Bovine Reproduction – R.M. Hopper, 2nd Edition (2021); Wiley Blackwell
- Practical Atlas of Ruminant and Camelid Reproductive Ultrasonography – DesCôteaux, Colloton & Gnemmi, (2010); Wiley Blackwell
- Mastitis Control in Dairy Herds – Blowey & Edmondson, 2nd Edition (2010); CABI
- Dairy Herd Health – M. Green, (2012); CABI
 - Chapter 4: Managing Herd Reproduction
 - Chapter 5: Control of Mastitis and Enhancement of Milk Quality
- Rebhun's Diseases of Dairy Cattle – Simon F. Peek and Thomas J. Divers, 3rd Edition (2017); Elsevier
- Color Atlas of Diseases and Disorders of Cattle – Roger W. Blowey and A. David Weaver, 3rd Edition (2011); Elsevier

Small Ruminant Reproduction

- Goat Medicine – Smith & Sherman, 2nd Edition (2009); Wiley Blackwell
 - Chapter 13: Reproductive System
 - Chapter 14: Mammary Gland and Milk Production
- Goat Medicine & Surgery – Harwood & Mueller, (2018); CRC Press – Taylor & Francis Group
 - Chapter 2: Reproductive System
 - Chapter 3: Pregnancy and Parturition
 - Chapter 4: Neonatology
 - Chapter 12: Mammary Gland Disorders
- Sheep, Goat and Cervid Medicine – Pugh, Baird, Edmondson & Passler , 3rd Edition (2020); Elsevier
 - Chapter 8: Theriogenology of Sheep, Goats and Cervids
 - Chapter 15: Diseases of the Mammary Gland

Camelid Reproduction

- Medicine and Surgery of Camelids – Niehaus & Fowler, 4th Edition (2022); Wiley Blackwell
 - Chapter 16: Reproduction and the Reproductive System
 - Chapter 23: Old World Camelids (section on reproduction)
- Llama and Alpaca Care: Medicine, Surgery, Reproduction, Nutrition, and Herd Health – Cebra, Anderson, Tibary, Van Saun, Johnson, (2014); Saunders
 - Part 3 (Chapters 14-29): Reproduction

Articles

- Veterinary Clinics of North America: Food Animal Practice
 - Issues on Reproduction, Mastitis/Mammary Gland in Ruminants
 - Volume 41, Issue 2 – Mastitis in Ruminants, Pages 137-296 (July 2025)
 - Volume 40, Issue 1 – Management of Bulls, Pages 1-190 (March 2024)
 - Volume 37, Issue 1 – Small Ruminants, Pages 1-236 (March 2021)
 - Volume 34, Issue 3 – Mastitis, Pages 389-536 (November 2018)
 - *Other Issues available*
- Articles by Sheldon