

male dog anatomy outside

male dog anatomy outside is a fascinating topic that offers essential insights for dog owners, breeders, veterinarians, and anyone interested in canine health and wellbeing. Understanding the external anatomy of male dogs is crucial for identifying health issues, ensuring proper hygiene, and promoting animal welfare. This comprehensive article explores the key features of male dog anatomy outside, including the visible reproductive structures, genitalia, urinary system, skin and coat, and common health concerns. Readers will gain clarity on what each part does, how to recognize normal versus abnormal signs, and practical tips for maintaining a male dog's hygiene. Dive in to learn everything you need about male dog anatomy outside, its functions, and its importance.

- Overview of Male Dog Anatomy Outside
- External Genitalia and Reproductive Structures
- Urinary System and Related Features
- Skin, Coat, and Visible Body Landmarks
- Common Health Concerns Related to External Anatomy
- Care and Hygiene for Male Dogs

Overview of Male Dog Anatomy Outside

Male dog anatomy outside refers to all the visible and palpable parts of a male dog's body that can be observed without invasive examination. This includes the genitalia, urinary structures, skin, coat, and other external features such as body landmarks and appendages. Knowing these structures helps pet owners and professionals monitor health, identify abnormalities, and provide appropriate care. The external anatomy is also important for recognizing signs of sexual maturity, understanding behavior, and addressing breeding concerns. Male dogs have distinct anatomical features compared to females, most notably the penis, prepuce, and scrotum, as well as differences in the coat and skin around these areas.

External Genitalia and Reproductive Structures

Penis and Prepuce

The penis is the most prominent external reproductive organ in male dogs. It is usually covered by the prepuce, a protective sheath of skin that keeps the penis moist and shields it from dirt or injury. The prepuce is visible as a loose fold of skin on the underside of the dog's belly, just behind the umbilicus. During arousal or mating, the penis extends from the prepuce. The tip, called the glans, may become visible when the dog is excited.

- The penis is essential for urination and mating.
- The prepuce helps protect against infection and injury.
- Swelling or discharge from the prepuce may indicate health issues.

Scrotum and Testicles

The scrotum is a pouch of skin located just behind the penis, containing the testicles. The testicles are two oval-shaped glands responsible for sperm production and hormone secretion (especially testosterone). The scrotum's external appearance varies with age, breed, and climate, as it helps regulate testicular temperature for optimal fertility. In young puppies, the testicles may not be fully descended or visible.

- The scrotum provides a protective environment for the testicles.
- Healthy testicles are firm, symmetrical, and free from lumps or swelling.
- Changes in size, texture, or color may signal health problems.

Bulbus Glandis

One unique structure in male dog anatomy outside is the bulbus glandis, a swelling at the base of the penis that becomes apparent during mating. It is responsible for the "tie" that occurs during copulation, ensuring sperm transfer. While not always visible, it can be felt or seen when the dog is aroused.

Urinary System and Related Features

Urethral Opening

The urethral opening is located at the tip of the penis and serves as the exit point for urine and semen. In healthy male dogs, the opening is clean and free from redness or discharge. Monitoring the urethral opening for abnormalities, such as swelling or pus, is vital for identifying infections or blockages.

Perineal Area

The perineal area surrounds the base of the tail, anus, and external genitalia. The skin here should be intact, clean, and free from irritation. The perineum plays a role in supporting the organs and maintaining hygiene. Regular inspection is important, especially in breeds with dense fur or folds.

Skin, Coat, and Visible Body Landmarks

Skin and Hair Around Genitalia

The skin and coat around the genital area offer protection and regulate body temperature. Different breeds have varying hair density and patterns in this region. Keeping the skin healthy minimizes the risk of infections and parasites. Owners should watch for signs of redness, hair loss, or ulceration.

Tail and Hindquarters

The tail is an important external feature, aiding in balance, communication, and covering the perineal area. The base of the tail and surrounding hindquarters may show signs of sexual maturity, marking behavior, or health issues. Proper grooming prevents matting and skin problems.

Common Health Concerns Related to External Anatomy

Infections and Inflammation

Male dogs can experience infections of the prepuce, penis, or scrotum. Bacterial or fungal infections may cause swelling, redness, discharge, or discomfort. Inflammation of the skin or underlying structures can result from trauma, allergies, or poor hygiene.

1. Balanoposthitis: Inflammation of the penis and prepuce.
2. Orchitis: Inflammation of the testicles.
3. Paraphimosis: Inability to retract the penis into the prepuce.

Parasites and Skin Disorders

External parasites such as fleas, ticks, or mites often target the skin around the genitalia and hindquarters. Skin disorders including dermatitis, hot spots, or fungal infections can also affect these regions. Early detection and treatment are crucial for the dog's comfort and health.

Tumors and Growths

Male dogs may develop lumps, cysts, or tumors in their genital or perineal area. While many are benign, rapid growth or changes in appearance warrant veterinary assessment. Testicular tumors are more common in older, intact males.

Care and Hygiene for Male Dogs

Routine Inspection

Regular inspection of male dog anatomy outside ensures early detection of health problems. Owners should check the prepuce, penis, scrotum, and surrounding skin for abnormalities. Any signs of pain, swelling, or unusual discharge should be addressed promptly by a veterinarian.

Cleaning and Grooming Tips

Maintaining good hygiene is essential to prevent infections and skin

problems. Cleaning the genital area with water and mild pet-safe cleansers helps remove dirt and debris. Grooming the coat around the hindquarters reduces matting and promotes skin health.

- Keep the genital area clean and dry.
- Trim excess hair around the perineum and hindquarters.
- Use appropriate flea and tick prevention products.
- Schedule regular veterinary check-ups for preventive care.

Health Monitoring and Veterinary Care

Professional veterinary care is vital for male dogs, especially those used for breeding. Annual health checks include examination of the external genitalia, skin, and coat. Vaccination, parasite control, and prompt treatment of any issues help maintain overall wellbeing.

Questions & Answers About Male Dog Anatomy Outside

Q: What are the main external features of male dog anatomy outside?

A: The main external features include the penis, prepuce, scrotum, testicles, urethral opening, skin, coat, tail, and perineal area.

Q: How can I tell if my male dog's genitalia are healthy?

A: Healthy genitalia are free from swelling, redness, discharge, or lumps. The skin should be intact, and the dog should not show signs of pain or excessive licking.

Q: Why is the prepuce important in male dogs?

A: The prepuce protects the penis from injury and infection, maintains moisture, and facilitates normal urination and mating.

Q: What does the bulbus glandis do?

A: The bulbus glandis is a swelling at the base of the penis that helps achieve the “tie” during mating, ensuring successful sperm transfer.

Q: Can male dogs get tumors in their testicles?

A: Yes, testicular tumors can occur in older, intact male dogs and require veterinary assessment for diagnosis and treatment.

Q: How should I clean my male dog's genital area?

A: Use mild, pet-safe cleansers and water to gently clean the area. Avoid harsh chemicals and ensure the region is dry after cleaning.

Q: What signs indicate infection or inflammation in the external anatomy?

A: Signs include redness, swelling, pain, discharge, foul odor, or frequent licking of the affected area.

Q: Why is routine inspection of male dog anatomy outside important?

A: Routine inspection helps detect health issues early, prevents infections, and maintains overall wellbeing.

Q: Do male dogs need special grooming around the genital area?

A: Yes, trimming excess hair and keeping the area clean reduces the risk of matting, infections, and skin problems.

Q: What veterinary care is recommended for male dogs regarding their external anatomy?

A: Annual check-ups, parasite prevention, and prompt treatment of abnormalities are recommended to keep male dogs healthy.

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Male Dog Anatomy Outside: A Comprehensive Guide

Understanding your canine companion's anatomy is crucial for responsible pet ownership. This comprehensive guide dives deep into the external anatomy of a male dog, exploring everything from the penis and prepuce to the scrotum and testicles. We'll clarify common misconceptions and provide you with the knowledge necessary to monitor your dog's health and well-being. Whether you're a seasoned dog owner or a new pet parent, this detailed explanation will equip you with a clearer understanding of your male dog's outward physical characteristics.

The Penis and Prepuce

The male dog's penis, unlike humans, is primarily housed within the sheath-like prepuce. The prepuce is a fold of skin covering the glans penis (the tip of the penis). This retractable structure protects the sensitive glans. You'll usually only see the penis fully extended during urination or mating. The tip of the glans penis is characterized by a slightly bulbous shape, known as the bulbus glandis, which plays a vital role in the mating process, ensuring prolonged copulation. Regularly checking the prepuce for any signs of irritation, discharge, or unusual odor is essential for early detection of potential health problems.

Signs of Potential Problems:

Excessive swelling or redness: This could indicate infection or inflammation.

Discharge: Unusual discharge, whether clear, cloudy, or bloody, warrants immediate veterinary attention.

Offensive odor: A strong, unpleasant smell emanating from the prepuce could signal an infection.

Difficulty urinating: Straining or discomfort during urination should be investigated by a veterinarian.

The Scrotum and Testicles

The scrotum is the sac-like structure located just behind the penis. It contains the testicles, the male reproductive organs responsible for producing sperm and testosterone. The scrotum's primary function is to regulate the temperature of the testicles, keeping them slightly cooler than the rest of the body, which is crucial for optimal sperm production. The testicles should feel smooth and firm to the touch. Any lumps, swelling, or changes in size or consistency should be brought to the attention

of your veterinarian.

Common Scrotum and Testicle Concerns:

Cryptorchidism: This is a condition where one or both testicles fail to descend into the scrotum.

Testicular Cancer: Although less common than in humans, testicular cancer can occur in dogs and requires prompt veterinary care.

Trauma: Injuries to the scrotum or testicles can occur, often requiring immediate veterinary attention.

The Perineum and Anus

The perineum is the area between the scrotum and the anus. It's relatively hairless in most breeds and contains various muscles involved in defecation and urination. This region is sensitive and should be handled gently. Regularly checking the anus for any signs of fecal impaction, inflammation, or abnormalities is important for maintaining your dog's overall health.

Observing the Perineal Area:

Examine for anal gland swelling: Anal glands, located on either side of the anus, can sometimes become impacted, causing discomfort and potentially infection.

Check for fecal matter: Excessive fecal matter around the anus can indicate digestive issues or difficulty defecating.

Look for any wounds or abrasions: Injuries to the perineal area can occur, requiring cleaning and possibly veterinary treatment.

Breed Variations

It's important to remember that there can be some variations in the external anatomy of male dogs depending on the breed. Some breeds may have longer or shorter penises, larger or smaller scrotums, or different amounts of hair around the perineal region. However, the fundamental structures and functions remain largely consistent across all breeds.

Maintaining Hygiene

Maintaining proper hygiene around your male dog's external genitalia is vital for preventing infections and discomfort. Gently cleaning the area with a damp cloth during regular grooming can help remove dirt, debris, and potential irritants. Avoid using harsh soaps or chemicals, opting instead for mild, pet-safe cleansers. Excessive cleaning can disrupt the natural balance of the skin

and lead to irritation.

Conclusion

Understanding the external anatomy of your male dog is a key aspect of responsible pet ownership. By regularly observing and checking for any abnormalities, you can contribute to early detection of potential health problems. Remember, any concerns about your dog's health should always be addressed by a veterinarian. Prompt veterinary care can often make a significant difference in ensuring the well-being of your canine companion.

Frequently Asked Questions (FAQs)

1. My dog's prepuce seems swollen. Is this normal? Swelling of the prepuce is not normal and could indicate an infection or other underlying condition. Consult your veterinarian immediately.
2. How often should I check my dog's genitals? Regularly checking during grooming sessions is advisable – at least once a month.
3. My dog is licking his penis excessively. What should I do? Excessive licking could signal an irritation, infection, or other discomfort. A veterinary examination is necessary to determine the cause.
4. Is it normal for my dog's testicles to change size slightly? Minor fluctuations in testicular size can occur due to temperature changes, but significant changes warrant veterinary attention.
5. What should I do if I notice a lump on my dog's scrotum? Any lumps or bumps on the scrotum should be examined by a veterinarian as soon as possible, as it could be a sign of a serious condition.

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male dog anatomy outside: Miller and Evans' Anatomy of the Dog - E-Book John W. Hermanson, Alexander de Lahunta, 2018-12-20 - NEW! Co-editor John W. Hermanson joins the team of Evans and de Lahunta to provide further expertise in the areas of anatomy and comparative anatomy. - NEW! Upgraded digital radiology with a special emphasis on MR and CT scans has been incorporated throughout the text.

male dog anatomy outside: Introduction to Veterinary Anatomy and Physiology Textbook Victoria Aspinall, Melanie Cappello, 2015-03-26 A sound knowledge of anatomy and physiology is an essential basis for the effective clinical treatment of companion animals. The new third edition Introduction to Veterinary Anatomy and Physiology Textbook offers clear and comprehensive of the common companion animal species. Updated throughout with a new section added on large companion animals, the new edition features augmented online learning resources with new questions and quizzes. Students can test their knowledge with multi-choice questions, drag and drop exercises and an image bank, while instructors can download questions, figures and exercises to use as teaching aids. - An essential first purchase for all those embarking upon a veterinary career - Includes augmented on-line resources with self-assessment tools and teaching aids - Comprehensive coverage of all major companion animal species - New large animal section added covering the cow, sheep and pig - 'Applied Anatomy' tips relate theory to clinical practice, showing the relationship between anatomy and physiology and the disease process

male dog anatomy outside: Dr. Kidd's Guide to Herbal Dog Care Randy Kidd, 2000-01-01 Holistic veterinarian Dr. Randy Kidd explains how herbs can be used in the care of dogs. Includes chapters on common dog ailments and how to address them. Illustrations.

male dog anatomy outside: Mammalian Sexuality Alan F. Dixson, 2021-06-03 The first detailed account of post-copulatory sexual selection and the evolution of reproduction in mammals.

male dog anatomy outside: Infertility in the Male Larry I. Lipshultz, Stuart S. Howards, Craig S. Niederberger, 2009-09-24 The new edition of this canonical text on male reproductive medicine will cement the book's market-leading position. Practitioners across many specialties - including urologists, gynecologists, reproductive endocrinologists, medical endocrinologists and many in internal medicine and family practice - will see men with suboptimal fertility and reproductive problems. The book provides an excellent source of timely, well-considered information for those training in this young and rapidly evolving field. While several recent books provide targeted 'cookbooks' for those in a male reproductive laboratory, or quick reference for practising generalists, the modern, comprehensive reference providing both a background for male reproductive medicine as well as clinical practice information based on that foundation has been lacking until now. The book has been extensively revised with a particular focus on modern molecular medicine. Appropriate therapeutic interventions are highlighted throughout.

male dog anatomy outside: Introduction to Animal and Veterinary Anatomy and Physiology, 4th Edition Victoria Aspinall, Melanie Cappello, 2019-12-11 A sound knowledge of anatomy and physiology is an essential basis for the effective clinical treatment of companion animals and farm animals alike. The fourth edition of this bestselling book continues to provide a comprehensive description of the anatomy and physiology of dogs and cats. The book builds on these foundations with detailed descriptions of exotic small species including birds, and domestic farm animals, including cows, sheep and pigs, as well as the horse.

male dog anatomy outside: Miller's Anatomy of the Dog - E-Book Howard E. Evans, Alexander de Lahunta, 2012-06-15 Now in full-color, Miller's Anatomy of the Dog, 4th Edition features unparalleled coverage of canine morphology, with detailed descriptions and vivid illustrations that make intricate details easier to see and understand. Updated content reflects the latest knowledge on development, structure, and function, making this a valuable reference for anatomists, veterinary students, technicians, clinicians, experimentalists, and breeders. It is also useful in specialty fields

such as mammalogy, biomechanics, and archaeology. - Chapters are logically organized by body system for quick reference. - Contributors are expert anatomists who provide the most current information and share their knowledge of particular structures. - An introductory chapter includes breed categories from both the American and British Registry Clubs to give you a clearer understanding of dog breeds and how they are determined. - NEW! Elaborate, full-color illustrations created by an expert medical illustrator bring canine structures to life and enhance your understanding of their function. - New and updated content reflects the most up-to-date nomenclature from the Nomina Anatomica Veterinaria (NAV) — the standard reference for anatomical (zootomical) terminology. - Text and bibliographic references from the most current literature allow you to access all primary sources of information for further study and interpretation.

male dog anatomy outside: Cancer in Dogs and Cats Wallace B. Morrison, 2002 This is the second edition of a book originally published by Lippincott, Williams & Wilkins. *Cancer in Dogs and Cats*, 2nd edition, has been completely updated and revised to provide the clinician with all the tools needed to properly diagnose and manage treatable cancers in dogs and cats. The presentation is a practical blend of basic science and both medical and surgical therapeutics designed to help the clinician make the difficult decisions inherent with cancer treatment. An entirely new and comprehensive index is provided, which allows precise and easy access to the content of the book.

male dog anatomy outside: The Necropsy Book John McKain King, L. Roth-Johnson, M. E. Newson, 2007

male dog anatomy outside: *Introduction to Veterinary Anatomy and Physiology E-Book* Victoria Aspinall, Melanie Cappello, 2009-04-24 A sound knowledge of anatomy and physiology is an essential basis for the effective clinical treatment of companion animals. The new *Introduction to Veterinary Anatomy and Physiology Textbook* builds on the success of the first edition in its thorough coverage of the common companion animal species. Updated throughout, the new edition features online learning resources, providing students with the opportunity to test their knowledge with questions and visual exercises, while instructors can download questions, figures and exercises to use as teaching aids. An essential first purchase for all those embarking upon a veterinary career. Now with on-line resources including self-assessment tools and teaching aids Comprehensive coverage of all major companion animal species New equine chapter 'Applied Anatomy' tips relate theory to clinical practice, showing the relationship between anatomy and physiology and the disease process

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male dog anatomy outside: *Exploring the Biological Contributions to Human Health* Institute of Medicine, Board on Health Sciences Policy, Committee on Understanding the Biology of Sex and Gender Differences, 2001-07-02 It's obvious why only men develop prostate cancer and why only women get ovarian cancer. But it is not obvious why women are more likely to recover language ability after a stroke than men or why women are more apt to develop autoimmune diseases such as lupus. Sex differences in health throughout the lifespan have been documented. *Exploring the Biological Contributions to Human Health* begins to snap the pieces of the puzzle into place so that this knowledge can be used to improve health for both sexes. From behavior and cognition to metabolism and response to chemicals and infectious organisms, this book explores the health impact of sex (being male or female, according to reproductive organs and chromosomes) and

gender (one's sense of self as male or female in society). Exploring the Biological Contributions to Human Health discusses basic biochemical differences in the cells of males and females and health variability between the sexes from conception throughout life. The book identifies key research needs and opportunities and addresses barriers to research. Exploring the Biological Contributions to Human Health will be important to health policy makers, basic, applied, and clinical researchers, educators, providers, and journalists-while being very accessible to interested lay readers.

male dog anatomy outside: Miller's Anatomy of the Dog Malcolm Eugene Miller, Howard Edward Evans, George C. Christensen, George Curtis Christensen, 1979 Updated to reflect tremendously expanded knowledge of the anatomy of the dog, this new edition describes and illustrates the specific morphology of the dog with some reference to other species. With eight new contributors, this text includes more in-depth understanding of the nervous system, fetal growth, bone formation, the lymphatic system, the organization of the brain, the structure of the eye and ear, and more! No other book on the anatomy of the dog has such up-to-date detail of structure as this third edition.

male dog anatomy outside: Anatomy: A Love Story Dana Schwartz, 2022-01-18 *INSTANT #1 NEW YORK TIMES BESTSELLER* *INSTANT #1 INDIE BESTSELLER* *INSTANT USA TODAY BESTSELLER* *A REESE'S YA BOOK CLUB PICK* Schwartz's magical novel is at once gripping and tender, and the intricate plot is engrossing as the reader tries to solve the mystery. She doesn't miss a beat in either the characterization or action, scattering clues with a delicate, precise hand. This is, in the end, the story of the anatomy of the human heart. - Booklist (starred review) Dana Schwartz's *Anatomy: A Love Story* is a gothic tale full of mystery and romance. Hazel Sinnett is a lady who wants to be a surgeon more than she wants to marry. Jack Curren is a resurrection man who's just trying to survive in a city where it's too easy to die. When the two of them have a chance encounter outside the Edinburgh Anatomist's Society, Hazel thinks nothing of it at first. But after she gets kicked out of renowned surgeon Dr. Beecham's lectures for being the wrong gender, she realizes that her new acquaintance might be more helpful than she first thought. Because Hazel has made a deal with Dr. Beecham: if she can pass the medical examination on her own, Beecham will allow her to continue her medical career. Without official lessons, though, Hazel will need more than just her books—she'll need corpses to study. Lucky that she's made the acquaintance of someone who digs them up for a living. But Jack has his own problems: strange men have been seen skulking around cemeteries, his friends are disappearing off the streets, and the dreaded Roman Fever, which wiped out thousands a few years ago, is back with a vengeance. Nobody important cares—until Hazel. Now, Hazel and Jack must work together to uncover the secrets buried not just in unmarked graves, but in the very heart of Edinburgh society.

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male dog anatomy outside: *Strengthening Forensic Science in the United States* National Research Council, Division on Engineering and Physical Sciences, Committee on Applied and Theoretical Statistics, Policy and Global Affairs, Committee on Science, Technology, and Law, Committee on Identifying the Needs of the Forensic Sciences Community, 2009-07-29 Scores of

talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

male dog anatomy outside: Use of Laboratory Animals in Biomedical and Behavioral Research National Research Council, Institute of Medicine, Institute for Laboratory Animal Research, Commission on Life Sciences, Committee on the Use of Laboratory Animals in Biomedical and Behavioral Research, 1988-02-01 Scientific experiments using animals have contributed significantly to the improvement of human health. Animal experiments were crucial to the conquest of polio, for example, and they will undoubtedly be one of the keystones in AIDS research. However, some persons believe that the cost to the animals is often high. Authored by a committee of experts from various fields, this book discusses the benefits that have resulted from animal research, the scope of animal research today, the concerns of advocates of animal welfare, and the prospects for finding alternatives to animal use. The authors conclude with specific recommendations for more consistent government action.

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@DeadFlowers Our farmhand is so aloof and Romantic. I wanna get on that. We had sex in a shack. We shackled up, har har har. I've got plenty of sex puns left, don't worry! I wonder what Oliver is doing right now ... probably plowing. I guess that's his job. From Twitterature: The World's Greatest Books in Twenty Tweets or Less

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'Lady Chatterley's Lover') is the first ever to restore to Lawrence's most famous novel the words that he wrote. It removes typists' corruptions and compositors' errors, which have marred the text for over sixty years, and includes hundreds of new words, phrases and sentences - and thousands of changes in punctuation. This text projects the sound of Lawrence's voice, embodies the precision of his mature style and reveals the force of his rhetorical power. The introduction establishes an accurate history of composition, typing, printing, publication and reception; the notes freshly identify dozens of difficult allusions; and the appendix, an original essay, explains how Lawrence imaginatively weaves real places and people into the fictional tapestry that he creates. For students and scholars alike, the Cambridge text is the only text of the novel that can be read or quoted with confidence.

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high-profile trial only in 1960. The author focuses on the classic love triangle: a young beautiful wife, a disabled husband who returned home after a serious injury in the war and a huntsman who looks after the family estate of Chatterleys. The husband knows about the love affair of his wife and even agrees her to give birth to a child from a lover. But the wife decides to do it her own way.

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