WARNING – This excerpt is intended for use by medical, legal, social service, and law enforcement professionals. It contains graphic images that some may find disturbing or offensive. Minors and/or nonprofessionals should not be allowed to access this material.

Sexual Assault
Victimization Across the Life Span
A Color Atlas

G.W. Medical Publishing, Inc.
St. Louis
Sexual Assault

Victimization Across the Life Span
A Color Atlas

Barbara W. Girardin, RN, PhD
Forensic Health Care
Palomar Pomerado Health
Escondido, California

Diana K. Faugno, RN, BSN, CPN, FAAFS, SANE-A
District Director
Pediatrics/Nicu
Forensic Health Service
Palomar Pomerado Health
Escondido, California

Mary J. Spencer, MD
Clinical Professor of Pediatrics
University of California San Diego
School of Medicine
Medical Director
Child Abuse Prevention and Sexual Assault Response Team
Palomar Pomerado Health
Escondido, California

Angelo P. Giardino, MD, PhD
Associate Chair - Pediatrics
Associate Physician-in-Chief
St. Christopher’s Hospital for Children
Associate Professor in Pediatrics
Drexel University College of Medicine
Philadelphia, Pennsylvania

G.W. Medical Publishing, Inc.
St. Louis
FOREWORD

Whether in the pediatric emergency room, the adult sexual assault clinic, the nursing home or even the morgue, high quality photography of visible lesions remains an essential documentation and investigation tool. The value of photographic documentation cannot be overstated. Indeed, all medical providers who evaluate sexual assault victims should be familiar with the basic principles and techniques of clinical photography and should assure adequate photographic documentation of visible lesions. Such images, whether still or video, may be used in court, although less commonly than photographs of physical abuse (sometimes judges and juries have a hard time understanding the significance of, for example, a subtle hymenal tear). Photographs are also important for peer review, peer consultation and teaching. Perhaps most significantly, photographs may allow a second opinion by opposing council experts without subjecting the victim to a repeat examination.

The evolution in photodocumentation techniques in sexual assault has often followed, sometimes paralleled, and even sometimes led the evolution in the medical examination and interpretation of sexual assault injuries. Early published photographs of anogenital trauma were of such poor quality as to be virtually uninterpretable. At the same time clinical interpretation of findings were based on limited empirical research. With the advent of close-up photographic techniques such as 35mm camera macro lenses and colposcopes, the quality of published images increased dramatically. It was as if a shroud had been removed from the eyes of the examiner, who could now finally see and document microtrauma. Unfortunately at that time, the research base for interpreting these new findings was still undeveloped. It has only been in the last several years that well controlled studies, often using close-up photography to collect and analyze data, have clarified what is and what is not trauma. Only now have visualization techniques and interpretive skills found equivalency.

The variety of sexual assault photodocumentation tools in use today is astonishing: 35mm cameras, instant processing cameras, digital cameras, video cameras, colposcopes and most recently specialized stand alone, base mounted cameras. In virtually every case, however, where a new photodocumentation technology has developed, sexual assault documentation has been an afterthought. Close-up 35mm photography was first used in plastic surgery. Colposcopic photography, a combination of magnification, lighting, and photography, was, of course, first developed for gynecologic use. Even the latest trend in stand alone, base mounted, still and video cameras with attached light sources first saw their use in the dental office. Perhaps the next generation of photodocumentation tools—the combination of high quality digital video with high quality digital still imaging suitable for telemedicine consultation—will be developed specifically with the sexual assault victim in mind.

Though not demonstrated in this text, digital photography will soon equal if not exceed 35mm film photography in resolution, ease of use, and cost. Even then, still photography remains potentially limited since still images can easily miss significant findings and in some cases appear to show findings that are not present, all depending on when the shutter is released. Video photography represents still another advance, taking a 2 dimensional image and virtually creating 3 dimensions by recording the entire examination. Perhaps the next version of this text will have CD or web based digital video examples of traumatic findings.

Sexual trauma, whether at age 6 months or at age 60 years, demands the best skills of the best available examiner, the most sensitive and caring approach, and in virtually
all cases the highest quality photodocumentation available. Not only does this text amply illustrate the variety of findings at each age group, but it also illustrates the similarities and differences across the lifespan. This text is a testament to the skill of the many examiners who took these excellent photographs. Discerning readers should come away from viewing these images with a clearer sense of how to document and how to interpret anogenital findings in sexual assault victims of all ages.

Lawrence R. Ricci, MD
Director, The Spurwink Child Abuse Program
Portland, Maine
Clinical Assistant Professor of Pediatrics
University of Vermont College of Medicine
Clinical Assistant Professor of Pediatrics
University of New England College of Osteopathic Medicine
FOREWORD

Healthcare professionals have a unique opportunity in making a difference in how a victim of sexual assault will assimilate that event into the rest of their lives. The primary purpose of the sexual assault examination by the healthcare professional is to provide for medical diagnosis and treatment. To appropriately provide this care, the professional needs an understanding of the anatomical and physiological changes through the life span and how those changes will effect the observations made in a sexual assault examination.

These observations are important. The examiner needs to keep in mind that observations may be the result of normal development, a result of trauma caused by accident or abuse, or the result of a disease condition. The evidence collection portion of the examination will assist law enforcement in linking the victim, the suspect, the crime scene, and the evidence. Documentation of this portion of the examination is just as important as documenting the history and the physical assessment. The text provides photographic examples of evidence as well as the anatomical observations intertwined in the discussion of the many unique situations in which a sexual assault may occur.

The examiner that is aware of and sensitive to the patient and their response to the examination process will go a long way in beginning the emotional healing process necessary to integrate the events. Giving control back to the victim of rape is therapeutic and should be utilized all through the examination.

This text shows a wide variety of findings and variations that illustrate the observations and histories in sexual assault examinations. It provides a base of observations that sexual assault examiners can utilize as they provide details necessary for the thorough medical forensic examination.

Kathy Bell, RN, BLS, SANE-A
Forensic Nurse Examiner
Tulsa Police Department
Tulsa, Oklahoma
Moses identified the presence of sex crimes among the Israelites 3500 years ago: “If a man meets a girl and rapes her, the man who has done this shall die” (Deuteronomy 22:25). Accountability was instituted for different situations by death, required marriage, or a fine, but it is not clear how the crime was discovered or evidence established.

Sex crimes still exist today with all the morbidity that they bring to individuals, families and society. However, identifying and documenting the presence of physical injury has helped in corroborating the victim’s history, contributing to the investigation of possible sexual abuse or assault and holding offenders accountable for their crime. The quality of photographic, colposcopic, video and narrative documentation continues to improve. Secured computer programs are being used to transmit photographs for consultation on injury. Crucial research is being conducted into assault injury that continues to support that the presence of injury does not prove assault, nor does the absence of injury prove consent. The interdisciplinary Sexual Assault Response Team (SART) approach with an expert nurse examiner or physician, a sex crimes detective, an advocate, and an experienced, specialized prosecutor has streamlined the process for the victim. Emotional care beginning at the time of the examination has softened the blow and helped to jettison the victim towards recovery. More efficient and better funded DNA profiling at the local, state, and national level is allowing for more timely identification of stranger and serial offenders.

This color atlas complements volume one, Sexual Assault Victimization Across the Lifespan: A Clinical Guide as a photographic elaboration including over 1600 photographs arranged by cases of injury, nonassault, and normal findings. The chapters follow the developmental stages of infancy (0–3 years), childhood (4–8 years), preadolescence, Tanner stage 1 (9–12 years), adolescence (13–17 years), adulthood (18–39 years), middle-age (40–64) and the elderly (65 and older). Many of the photographs show Hispanic victims or perpetrators because some of the contributing SARTs are located along the southern border of the United States. This does not imply that victims or sexual predators are more typically Hispanic. The photographs that show ungloved hands were drawn from archived records before gloves became the standard of practice. The adult chapter includes photographs not typically found in a text on sexual abuse or assault: findings following consensual intercourse and findings of the genitalia in the sexually inexperienced female, in females after sexual experience, and after one to multiple vaginal deliveries. This serves as a valuable basis of comparison for assault injury. Cases are presented of victims who were drugged and then raped, victims who were raped and sodomized in prison, as well as cases when DNA was used in the investigation. The goal of the text is to provide better care to victims of sexual violence and to hold offenders accountable to society for their crimes.

Barbara W. Girardin, RN, PhD
Diana K. Faugno, RN, BSN, CPN, FAAFS, SANE-A
Mary J. Spencer, MD
Angelo P. Giardino, MD, PhD
# Table of Contents

**Chapter 1: Infant Sexual Abuse (0–3 Years)**

- History of Sexual Abuse .................................................. 2
- Acute Findings ................................................................. 2
- Normal and Nonspecific Findings ......................................... 16
- Special Cases .................................................................. 30
  - Males ........................................................................... 30
  - Disabled ......................................................................... 34
- Nonassault Variants ............................................................. 35
- Accidents ........................................................................... 35
- Labial Adhesions .............................................................. 38
- Foreign Object Penetration .................................................. 40
- Infection ............................................................................ 42
  - Viral .............................................................................. 42
  - Bacterial ......................................................................... 45
  - Fungal ............................................................................ 48
- Breech Delivery .................................................................. 50
- Friable Fourchette ............................................................. 50
- Scratches ........................................................................... 51
- Urethral Prolapse ............................................................... 52
- Balanitis ............................................................................ 52
- Constipation ...................................................................... 53
- Normal Findings ................................................................. 54
  - Annular Hymens .............................................................. 54
  - Crescentic Hymens .......................................................... 62
  - Septate Hymen ............................................................... 66
  - Median Raphe Ridge ........................................................ 67

**Chapter 2: Young Child Sexual Abuse (4–8 Years)**

- History of Sexual Abuse ...................................................... 71
- Acute Findings ................................................................. 71
  - Penile Penetration of the Vagina ...................................... 71
  - Digital Penetration of the Vagina ..................................... 72
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cunnilingus</td>
<td>77</td>
</tr>
<tr>
<td>Normal and Nonspecific Findings</td>
<td>79</td>
</tr>
<tr>
<td>Penile Penetration of the Vagina</td>
<td>79</td>
</tr>
<tr>
<td>Digital Penetration of the Vagina</td>
<td>80</td>
</tr>
<tr>
<td>Special Cases</td>
<td>89</td>
</tr>
<tr>
<td>Males</td>
<td>89</td>
</tr>
<tr>
<td>Revictimization</td>
<td>95</td>
</tr>
<tr>
<td>Incest</td>
<td>99</td>
</tr>
<tr>
<td>Adolescent Perpetrators</td>
<td>104</td>
</tr>
<tr>
<td>Healing</td>
<td>115</td>
</tr>
<tr>
<td>Nonassault Variants</td>
<td>117</td>
</tr>
<tr>
<td>Accidents</td>
<td>117</td>
</tr>
<tr>
<td>Labial Adhesions</td>
<td>122</td>
</tr>
<tr>
<td>Infections</td>
<td>125</td>
</tr>
<tr>
<td>Viral</td>
<td>125</td>
</tr>
<tr>
<td>Bacterial</td>
<td>129</td>
</tr>
<tr>
<td>Fungal</td>
<td>130</td>
</tr>
<tr>
<td>Parasitic</td>
<td>131</td>
</tr>
<tr>
<td>Friable Fourchette</td>
<td>132</td>
</tr>
<tr>
<td>Failure to Fuse</td>
<td>135</td>
</tr>
<tr>
<td>Urethral Prolapse</td>
<td>135</td>
</tr>
<tr>
<td>Oral Findings</td>
<td>136</td>
</tr>
<tr>
<td>Anal Findings</td>
<td>137</td>
</tr>
<tr>
<td>Skin Findings</td>
<td>138</td>
</tr>
<tr>
<td>Normal Findings</td>
<td>140</td>
</tr>
<tr>
<td>Hymen</td>
<td>140</td>
</tr>
<tr>
<td>Annular</td>
<td>140</td>
</tr>
<tr>
<td>Crescentic</td>
<td>145</td>
</tr>
<tr>
<td>Septate</td>
<td>151</td>
</tr>
<tr>
<td>Anus</td>
<td>152</td>
</tr>
</tbody>
</table>

**Chapter 3: Pre-Adolescent (Tanner Stage 1)**

**Sexual Abuse (9–12 Years)**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>History of Sexual Abuse</td>
<td>156</td>
</tr>
<tr>
<td>Friend of the Family Perpetrator</td>
<td>156</td>
</tr>
<tr>
<td>Incest</td>
<td>164</td>
</tr>
<tr>
<td>Incest Involving Multiple Victims</td>
<td>176</td>
</tr>
<tr>
<td>Adolescent Perpetrator</td>
<td>182</td>
</tr>
<tr>
<td>Stranger Perpetrator</td>
<td>187</td>
</tr>
<tr>
<td>Nonassault Variants</td>
<td>189</td>
</tr>
<tr>
<td>Infection</td>
<td>189</td>
</tr>
<tr>
<td>Viral</td>
<td>189</td>
</tr>
<tr>
<td>Bacterial</td>
<td>189</td>
</tr>
<tr>
<td>Spirochetal</td>
<td>190</td>
</tr>
<tr>
<td>Parasitic</td>
<td>190</td>
</tr>
<tr>
<td>Normal Findings</td>
<td>191</td>
</tr>
<tr>
<td>Varied Examiner Technique</td>
<td>191</td>
</tr>
<tr>
<td>Hymen</td>
<td>193</td>
</tr>
<tr>
<td>Annular</td>
<td>193</td>
</tr>
<tr>
<td>Crescentic</td>
<td>194</td>
</tr>
<tr>
<td>Sleeve-like</td>
<td>195</td>
</tr>
<tr>
<td>Redundant</td>
<td>196</td>
</tr>
<tr>
<td>Septate</td>
<td>196</td>
</tr>
<tr>
<td>Failure to Fuse</td>
<td>197</td>
</tr>
<tr>
<td>Anus</td>
<td>198</td>
</tr>
</tbody>
</table>
### Chapter 4: Adolescent Sexual Abuse and Assault (13–17 Years)

#### History of Sexual Abuse or Assault

- Penile-Vaginal Penetration
- Characteristics of the Injury
  - Acute Findings
  - Healing Injury
  - Revictimization
- Characteristics of the Victim
  - Alcohol-related
  - Not Previously Sexually Active
  - Stated Bisexual
  - Prostitute
  - Developmentally Disabled
  - Pregnant
- Characteristics of the Assault
  - Foreign Object
  - Internet-related
  - Drug-facilitated
- Characteristics of the Perpetrator
  - Incest
  - Gang-related
  - Multiple Perpetrators
  - Adolescent Perpetrators
- Victim and Perpetrator Photodocumentation
- Digital-Vaginal Penetration
- Sodomy
- Fellatio
- General Injuries

#### Nonassault Variants

- Consentng Sexual Intercourse
  - Previously Sexually Active
  - Not Previously Sexually Active
- Skin-Related
  - Lichen sclerosus
  - Folliculitis
- Scratching
- Accidents
- Labial Adhesions
- Vaginal Ridge
- Cervical Polyp
- Infection
  - Viral
  - Bacterial
  - Fungal
- Normal Findings
  - Hymen
  - Previously Sexually Active
  - Never Sexually Active
  - Septate
- Bands
- Labia
- Asymmetrical Labia
- Clitoris
- Vagina
Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cervix</td>
<td>350</td>
</tr>
<tr>
<td>Anal/Rectal</td>
<td>352</td>
</tr>
<tr>
<td>Mouth</td>
<td>349</td>
</tr>
<tr>
<td><strong>CHAPTER 5: ADULT SEXUAL ASSAULT (18-39 YEARS)</strong></td>
<td></td>
</tr>
<tr>
<td>History of Sexual Assault</td>
<td>359</td>
</tr>
<tr>
<td>Alcohol-Related</td>
<td>359</td>
</tr>
<tr>
<td>Bites</td>
<td>366</td>
</tr>
<tr>
<td>Clothing Evidence</td>
<td>372</td>
</tr>
<tr>
<td>Debris</td>
<td>372</td>
</tr>
<tr>
<td>Torn or Displaced</td>
<td>378</td>
</tr>
<tr>
<td>Crime Scene</td>
<td>386</td>
</tr>
<tr>
<td>Deceased Victims</td>
<td>389</td>
</tr>
<tr>
<td>Defense Injury</td>
<td>394</td>
</tr>
<tr>
<td>DNA-Related Cases</td>
<td>396</td>
</tr>
<tr>
<td>Digital Penetration</td>
<td>401</td>
</tr>
<tr>
<td>Disabled Victims</td>
<td>403</td>
</tr>
<tr>
<td>Domestic Violence</td>
<td>415</td>
</tr>
<tr>
<td>Drug-Facilitated Rape</td>
<td>426</td>
</tr>
<tr>
<td>Emotionally Disabled Victims</td>
<td>430</td>
</tr>
<tr>
<td>Foreign Object</td>
<td>432</td>
</tr>
<tr>
<td>Gay and Lesbian Victims</td>
<td>437</td>
</tr>
<tr>
<td>Homeless</td>
<td>445</td>
</tr>
<tr>
<td>Internet-Related Assault</td>
<td>449</td>
</tr>
<tr>
<td>Male Victims</td>
<td>450</td>
</tr>
<tr>
<td>Military</td>
<td>464</td>
</tr>
<tr>
<td>Multiple Perpetrators</td>
<td>469</td>
</tr>
<tr>
<td>Oral Injury</td>
<td>477</td>
</tr>
<tr>
<td>Prison Rape</td>
<td>485</td>
</tr>
<tr>
<td>Psychic Healing</td>
<td>488</td>
</tr>
<tr>
<td>Revictimization</td>
<td>489</td>
</tr>
<tr>
<td>Self-Inflicted</td>
<td>492</td>
</tr>
<tr>
<td>Sexually Inexperienced</td>
<td>498</td>
</tr>
<tr>
<td>Stranger Perpetrator</td>
<td>506</td>
</tr>
<tr>
<td>Strangulation</td>
<td>520</td>
</tr>
<tr>
<td>Suspects</td>
<td>525</td>
</tr>
<tr>
<td>Trace Evidence</td>
<td>537</td>
</tr>
<tr>
<td>Victim and Perpetrator</td>
<td>539</td>
</tr>
<tr>
<td><strong>Nonassault Variants</strong></td>
<td></td>
</tr>
<tr>
<td>Findings in Consenting Intercourse</td>
<td>554</td>
</tr>
<tr>
<td>Not Previously Sexually Active</td>
<td>554</td>
</tr>
<tr>
<td>Unknown Previous Sexual Experience</td>
<td>557</td>
</tr>
<tr>
<td>Previously Sexually Active</td>
<td>559</td>
</tr>
<tr>
<td>Skin-Related Findings</td>
<td>564</td>
</tr>
<tr>
<td>Marks on the Neck</td>
<td>564</td>
</tr>
<tr>
<td>Slash Marks</td>
<td>564</td>
</tr>
<tr>
<td>Tire Abrasion</td>
<td>565</td>
</tr>
<tr>
<td>Gunshot Wound</td>
<td>565</td>
</tr>
<tr>
<td>Poison Oak</td>
<td>565</td>
</tr>
<tr>
<td>Irritation of the Medial Thighs</td>
<td>566</td>
</tr>
<tr>
<td>Cesarean Section Scar</td>
<td>567</td>
</tr>
<tr>
<td>Folliculitis</td>
<td>567</td>
</tr>
<tr>
<td>Piercings</td>
<td>568</td>
</tr>
<tr>
<td>Labial and Vaginal Findings</td>
<td>570</td>
</tr>
<tr>
<td>Folliculitis</td>
<td>570</td>
</tr>
<tr>
<td>Table of Contents</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td></td>
</tr>
<tr>
<td>Lichenification</td>
<td>570</td>
</tr>
<tr>
<td>Crust and Erythema</td>
<td>571</td>
</tr>
<tr>
<td>Transection of the Labium Minus</td>
<td>572</td>
</tr>
<tr>
<td>Vulvectomy</td>
<td>572</td>
</tr>
<tr>
<td>Vaginal Band</td>
<td>573</td>
</tr>
<tr>
<td>Vaginal Septum</td>
<td>573</td>
</tr>
<tr>
<td>Post-Hysterectomy</td>
<td>573</td>
</tr>
<tr>
<td>Cystocele/Rectocele</td>
<td>574</td>
</tr>
<tr>
<td>Episiotomy</td>
<td>574</td>
</tr>
<tr>
<td>Post-Speculum Examination</td>
<td>576</td>
</tr>
<tr>
<td>Breast Findings</td>
<td>577</td>
</tr>
<tr>
<td>Breast Augmentation Scars</td>
<td>577</td>
</tr>
<tr>
<td>Birthmark</td>
<td>578</td>
</tr>
<tr>
<td>Burns</td>
<td>578</td>
</tr>
<tr>
<td>Breast Reduction Scars</td>
<td>579</td>
</tr>
<tr>
<td>Nipple Erythema</td>
<td>579</td>
</tr>
<tr>
<td>Perineum and Perianal Findings</td>
<td>580</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>580</td>
</tr>
<tr>
<td>Hemorrhoid and Perianal Tag</td>
<td>581</td>
</tr>
<tr>
<td>Perianal Abscess</td>
<td>582</td>
</tr>
<tr>
<td>Oral Findings</td>
<td>582</td>
</tr>
<tr>
<td>Infection</td>
<td>583</td>
</tr>
<tr>
<td>Viral</td>
<td>583</td>
</tr>
<tr>
<td>Bacterial</td>
<td>588</td>
</tr>
<tr>
<td>Fungal</td>
<td>589</td>
</tr>
<tr>
<td>Techniques</td>
<td>590</td>
</tr>
<tr>
<td>Genital Examination</td>
<td>590</td>
</tr>
<tr>
<td>Probe/Balloon</td>
<td>592</td>
</tr>
<tr>
<td>Toluidine Blue Dye</td>
<td>596</td>
</tr>
<tr>
<td>Photographic Techniques</td>
<td>600</td>
</tr>
<tr>
<td>Avoiding Pitfalls of Examination</td>
<td>604</td>
</tr>
<tr>
<td>Normal Findings</td>
<td>606</td>
</tr>
<tr>
<td>Anatomy of the Female Genitalia</td>
<td>606</td>
</tr>
<tr>
<td>Tanner Stages in the Female</td>
<td>606</td>
</tr>
<tr>
<td>Tanner Stage 1</td>
<td>606</td>
</tr>
<tr>
<td>Tanner Stage 2</td>
<td>607</td>
</tr>
<tr>
<td>Tanner Stage 3</td>
<td>607</td>
</tr>
<tr>
<td>Tanner Stage 4</td>
<td>608</td>
</tr>
<tr>
<td>Tanner Stage 5</td>
<td>608</td>
</tr>
<tr>
<td>Labia Majora</td>
<td>609</td>
</tr>
<tr>
<td>Clitoral Hood and Clitoris</td>
<td>609</td>
</tr>
<tr>
<td>Labia Minora</td>
<td>610</td>
</tr>
<tr>
<td>Vestibule</td>
<td>611</td>
</tr>
<tr>
<td>Inferior to the Anterior Commissure</td>
<td>611</td>
</tr>
<tr>
<td>Vestibular Papillations</td>
<td>613</td>
</tr>
<tr>
<td>Open Bartholin Duct</td>
<td>613</td>
</tr>
<tr>
<td>Periurethral and Perihymenal Bands</td>
<td>614</td>
</tr>
<tr>
<td>Hymenal Tag</td>
<td>616</td>
</tr>
<tr>
<td>Crescentic Hymen</td>
<td>617</td>
</tr>
<tr>
<td>Tampon Within the Vagina</td>
<td>617</td>
</tr>
<tr>
<td>Hymens Related to Sexual Experience, Pregnancy, and Number of Vaginal Deliveries</td>
<td>618</td>
</tr>
<tr>
<td>Sexually Inexperienced Women</td>
<td>618</td>
</tr>
<tr>
<td>Sexually Experienced Women</td>
<td>621</td>
</tr>
<tr>
<td>Never Been Pregnant</td>
<td>621</td>
</tr>
</tbody>
</table>
Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pregnant Once or More, No Vaginal Deliveries</td>
<td>625</td>
</tr>
<tr>
<td>One Vaginal Delivery</td>
<td>627</td>
</tr>
<tr>
<td>Two Vaginal Deliveries</td>
<td>630</td>
</tr>
<tr>
<td>Three Vaginal Deliveries</td>
<td>631</td>
</tr>
<tr>
<td>Four Vaginal Deliveries</td>
<td>632</td>
</tr>
<tr>
<td>Five and Six Vaginal Deliveries</td>
<td>633</td>
</tr>
<tr>
<td>Vaginal Wall</td>
<td>634</td>
</tr>
<tr>
<td>Cervix</td>
<td>636</td>
</tr>
<tr>
<td>General Findings</td>
<td>636</td>
</tr>
<tr>
<td>Intrauterine Device (IUD) String</td>
<td>639</td>
</tr>
<tr>
<td>Anus and Rectum</td>
<td>640</td>
</tr>
<tr>
<td>Perianal</td>
<td>640</td>
</tr>
<tr>
<td>Rectal</td>
<td>641</td>
</tr>
<tr>
<td>Oral</td>
<td>642</td>
</tr>
<tr>
<td>Other</td>
<td>644</td>
</tr>
</tbody>
</table>

**CHAPTER 6: MIDDLE-AGED ADULT SEXUAL ASSAULT (40–64 YEARS)**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>History of Sexual Assault</td>
<td>647</td>
</tr>
<tr>
<td>Characteristics of the Victim</td>
<td>647</td>
</tr>
<tr>
<td>Alcohol-related</td>
<td>647</td>
</tr>
<tr>
<td>Homeless</td>
<td>652</td>
</tr>
<tr>
<td>Developmentally Disabled</td>
<td>654</td>
</tr>
<tr>
<td>Revictimization</td>
<td>657</td>
</tr>
<tr>
<td>Characteristics of the Perpetrator</td>
<td>666</td>
</tr>
<tr>
<td>Acquaintance</td>
<td>666</td>
</tr>
<tr>
<td>Stranger</td>
<td>671</td>
</tr>
<tr>
<td>Intimate Partner</td>
<td>677</td>
</tr>
<tr>
<td>Nonassault Variants</td>
<td>689</td>
</tr>
<tr>
<td>Consenting Intercourse</td>
<td>689</td>
</tr>
<tr>
<td>Nevus</td>
<td>691</td>
</tr>
<tr>
<td>Nabothian Cyst</td>
<td>691</td>
</tr>
<tr>
<td>Post-Vulvectomy</td>
<td>692</td>
</tr>
<tr>
<td>Vulvar Dystrophy</td>
<td>694</td>
</tr>
<tr>
<td>Breasts</td>
<td>696</td>
</tr>
<tr>
<td>Eyes</td>
<td>697</td>
</tr>
<tr>
<td>Normal Findings</td>
<td>698</td>
</tr>
<tr>
<td>Genital</td>
<td>698</td>
</tr>
<tr>
<td>Anal/Rectal</td>
<td>699</td>
</tr>
</tbody>
</table>

**CHAPTER 7: ELDERLY SEXUAL ASSAULT (65 AND OLDER)**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>History of Sexual Assault</td>
<td>702</td>
</tr>
<tr>
<td>Nonassault Variants</td>
<td>724</td>
</tr>
<tr>
<td>Friable Fourchette</td>
<td>724</td>
</tr>
<tr>
<td>Rectal Polyp</td>
<td>724</td>
</tr>
<tr>
<td>Normal Findings</td>
<td>725</td>
</tr>
<tr>
<td>Smooth Vaginal Wall</td>
<td>725</td>
</tr>
<tr>
<td>Perianal Laxity</td>
<td>725</td>
</tr>
</tbody>
</table>
Sexual Assault
Victimization Across the Life Span
A Color Atlas

G.W. Medical Publishing, Inc.
St. Louis
INFANT SEXUAL ABUSE: 0–3 YEARS OLD
Barbara W. Girardin, RN, PhD
Diana K. Faugno, RN, BSN, CPN, FAAFS, SANE-A
Carolyn J. Levitt, MD
Malinda Waddell, RN, MN, FNP
Mary J. Spencer, MD

This chapter consists of cases of very young children within the approximate age range of newborn to 3 years. Sexual abuse in this age group often goes unreported. When it is reported, weeks or months may have passed since the abuse occurred. There are rarely conclusive physical findings, even in witnessed abuse, not only because of delays in reporting, but also because the sexual abuse of the young child is more often related to fondling than penetration. When there is acute injury, as would be more likely in attempted penetration of the infant’s vagina with the adult penis, it resolves quickly, without significant scarring of the mucous membranes. Nonspecific findings, such as erythema, often resolve even sooner than conclusive findings do. And if parents do notice redness in their child’s genital area, they may relate it to diaper irritation or skin tenderness. Because injuries in this age group often go unnoticed or are healed before abuse is reported, a normal medical examination is common in child victims of sexual abuse. This means that there may be no findings to corroborate the history. It is important to note, however, that a normal physical examination does not rule out sexual abuse.

A medical examination should be performed as soon as possible after an abuse is reported, even if weeks or months have passed since the incident. An examination with colposcopy and photodocumentation provides vital evidence for the current report and a baseline for the future. Photodocumentation also helps avoid repeated examinations. If photographs are available, Child Abuse Team members and consulting examiners can discuss the findings without re-traumatizing the child. To accurately interpret the findings, the medical examiner must be familiar not only with the signs of abuse, but also nonassault variants and normal findings.

There are three sections in this chapter: cases with a history of sexual abuse, cases of nonassault variants, and cases of normal findings. Each section includes brief case histories and key photographs. The cases with abuse histories include both females and males, a developmentally disabled female, and an abusive injury that occurred on a surgical scar. Nonassault variants of the genitalia include accidental injury, labial adhesions, injury from foreign object penetration, infection, edema secondary to breech delivery, friable fourchette, and others. Perianal injury from constipation is also shown. The chapter concludes with normal findings in this age group, including annular, crescentic, and septate hymens, and the median raphe.

Most photographs are magnified from 6 to 16x. Those photographs not magnified are listed as 35mm. The designation of body parts as “left” and “right” is from the point of view of the patient, not the examiner.
HISTORY OF SEXUAL ABUSE
ACUTE FINDINGS

Case Study 1-1
This 5-month-old female was brought to the emergency department the day after the perineal bruises were found by the mother. The day-care provider had sent her home with thick diaper cream completely covering these bruises. The mother noticed the bruises while changing the baby.

**Figure 1-1-a.** 24 hours postassault shows ecchymosis posterior to the labia majora (35 mm).

**Figure 1-1-b.** General erythema of the hymen, periurethral area and medial labia minora. She has a patulous urethra.

**Figure 1-1-c.** Five days after the first examination, there is resolution of the erythema.

Key Point:
Examination of the child in the first 24 hours reveals more physical and forensic evidence of assaults than examinations done after this time.
The young children in this chapter are between the ages of 4 and 8 years. Prepubertal children of this age are usually verbal. If they are victims of sexual abuse, they are generally capable of giving a coherent history of the events that occurred. However, a capable child may not disclose abuse because he or she has been coerced into keeping it a secret. The child may be frightened by the perpetrator’s threats to harm the child or a family member if he or she discloses the abuse. As a more pervasive tactic, the perpetrator may have convinced the child that the abuse is a normal activity, so the child may not recognize the behavior as abusive. A young child’s eventual disclosure is often delayed until the child can overcome his or her fear of the perpetrator or realizes that abusive behavior is not normal.

Even when a child discloses abuse, there are still hurdles to be overcome in obtaining a history of the event and physical evidence to support that history. The perpetrator is often a relative or trusted family friend who may be more credible than the child in the eyes of the parents or other authority figures. Physical evidence of sexual abuse in this age group is rare because force is seldom used, disclosure and report is typically delayed, and if injury does occur, genital tissues heal quickly, possibly before disclosure or examination. The most common sexual abuse scenarios for 4 to 8-year-old females are genital fondling, digital penetration of the vagina, or forced cunnilingus or fellatio. Sexually abused males in this age group experience forced receptive anal penetration or fellatio of the perpetrator.

The perpetrator is often a relative, an authority figure, or a teenaged acquaintance, particularly those involved in the social or recreational activities of children. Child pornography is frequently associated with child sexual abuse. Disclosure may be prompted by a variety of events. The child may discover that abusive behavior is abnormal and disclose spontaneously. The incident may be witnessed by a sibling or friend of the child or an intimate of the perpetrator, and he or she may report the incident or confront the perpetrator or victim. A care provider, teacher, or adult friend of the family may identify dramatic changes in the victim's behavior, like loss of bladder control, sexualized behavior, increased irritability or distractability. The care provider may seek medical assessment, which may eventually result in disclosure. Disclosure is judged to be most credible if the child’s interview is conducted by a professional specifically trained for this purpose. The story told by the child is the most important evidence in child sexual abuse cases and should not be discredited just because the victim is a child. The physical examination of the female child consists of visual inspection of the entire body including the genitalia. Labial traction is used to visualize the contour of the hymenal rim and perhaps the
HISTORY OF SEXUAL ABUSE
ACUTE FINDINGS
Digital Penetration of the Vagina

Case Study 2-2
This 5-year-old Caucasian was kidnapped from a playground near her apartment by a stranger who put his finger in her vagina one time. She was examined within 48 hours of her abduction.

Figure 2-2. There is erythema and edema on the hymen from 1 to 7 o’clock.

The perpetrator pled innocent to charges of abduction and child molestation, but was convicted.

Case Study 2-3
This 6-year-old Hispanic was fondled by a 31-year-old male cousin and examined within 48 hours.

Figure 2-3-a. There is focal erythema of the hymen at 1, 4 and 11 o’clock, visualized using labial traction.

Figure 2-3-b. The erythema is evident at 4 o’clock. There is a thin hymenal band attached at 5 and 10 o’clock.
This chapter consists of older children who are still Tanner stage 1, within the approximate age range of 9 to 12 years. There are a few cases of children older than 12 years, but they are Tanner stage 1. Cases of incest with multiple victims may include older or younger siblings outside the 9 to 12 age range. They were added here to illustrate the abuse of multiple children in a family. Sexual abuse in this age group is typically ongoing, and the perpetrator is generally a family member or trusted acquaintance. Genital fondling and digital or penile penetration of the vagina are the most common types of sexual abuse of children in this age group. The child is often coerced or bribed by the perpetrator to participate. Stranger abuse is less common, and when it does occur, it is more likely to be associated with physical and genital injury.

Sexually abused children may disclose the abuse to a friend, relative, parent, care provider, teacher or other school official. In some cases, the abuse has been witnessed by others or is reported by school officials. The history given by the child is critical to the investigation, especially since physical findings are rare. Perpetrators will often refrain from full penetration to avoid physically injuring the child in any detectable manner, so if any findings are present, they are generally nonspecific, often erythema or increased vascularity. If there is any injury to be found, an examination for abuse conducted within 72 hours, or as early after the assault as possible, is most likely to identify any injury. The examiner should be trained in child sexual abuse examination techniques. Vaginal speculum examination in the prepubertal child should be avoided if possible, but the vagina may be visualized using the labial traction technique. Visual inspection can be documented with 35mm or colposcopic photographs. The identity of the perpetrator can be confirmed with DNA obtained from ejaculate stains on clothing or saliva from kissing or licking. The nature of the offense may be corroborated if saliva is found on the breasts or genitalia of the victim.

The photographs in this chapter are divided into cases with a history of sexual abuse, cases of nonassault variants, and cases of normal prepubescent findings. Those with a history of sexual abuse have been subdivided by characteristics of the perpetrator, including perpetrators who are friends of the family, cases of incest and incest with multiple victims, adolescent perpetrators and perpetrators who are strangers to the victims. Nonassault variants include viral, bacterial, spirochetal, and parasitic infections. Normal findings include natural hymenal variants and photographs of the anus free of injury.

Most photographs are magnified from 6 to 16x. Those photographs not magnified are listed as 35mm. The designation of body parts as “left” and “right” is from the point of view of the child, not the examiner.
HISTORY OF SEXUAL ABUSE
FRIEND OF THE FAMILY PERPETRATOR

Case Study 3-1
This 7-year-old African-American female and her sister (Case Study 3-2) were 2 of 5 frequent visitors to a 56-year-old male neighbor. He gave them money for ice cream, took pictures of them “humping” each other, and touched their privates, according to the child’s history.

Figure 3-1-a. This is a normal annular hymen with sharp edges. A nevus is noted at the left inferior labium minus. Periurethral bands are also visible.

Figure 3-1-b. Mild clitoral erythema is evident. There is a band inferior to the clitoris.

The suspect pled guilty and was sentenced to 18 years in prison and must register as a sex offender.
INDEX

A
Abdomen
  burns on, 578
  erythema of, 692
  scratches on, 413
  striae on, 308
Abduction of young child, 72
Abortion, 626
Abrasion
  anal, 649
  at anterior commissure, 682
  appearing as erythema, 268
  on arm, 470
  on back
    of adolescent, 298
    in adult, 372, 450, 518
    in elderly adult, 719, 722
    in middle-aged adult, 670
  blanching around, 371
  of breast, 421
  of buttocks, 458
  cervical
    in adult, 434
    in middle-aged adult, 668, 678
  of cheek, 677
  chemical, 496
  clitoral, in pre adolescent, 187
  of clitoral hood
    in adult, 427
    in toddler, 13
  facial
    in adolescent, 288
    in adult, 449, 552
  of foot, 663
  on forehead, 295, 658
  on fossa navicularis
    in adolescent, 227, 283, 318, 322
    in adult, 360, 409, 430, 464, 473, 502, 507, 540, 562
    in middle-aged adult, 688
  of hymen, 684
  on knee
    in adolescent, 272
    in adult, 430, 449, 544
  labial, 440
  in adult, 448
  in middle-aged adult, 648, 650, 666, 674
  in toddler, 9, 13-14
  in young child, 107, 109
  on lip
    in adolescent, 293
    in adult, 481, 517
    in middle-aged adult, 658
  of mucous membrane, 311
  on neck, 442
  in outline of bra, 281
  of penis, 454
    in adolescent, 288
    in adult, 453
  perianal, 462
  perineal
    in adolescent, 204
    in adult, 563
  periurethral, 311
  of posterior fourchette
    in adolescent, 208, 227, 228, 255, 283, 300
    in adult, 430, 490, 491, 558, 560, 576
    in elderly adult, 720
    in middle-aged adult, 648
    in young child, 115
  punctate, 90
  of scrotum, 453
  on shoulder, 469
  on thigh, 414
  tire, 565
  on torso, 458
  urethral, 273
Abscess, perineal, 582
Accident
  in adolescent, 326-327
  in infant or toddler, 35-37
  in young child, 117-121, 138
Acquaintance as perpetrator
  middle-aged adult as victim, 666-670
  pre adolescent as victim, 156-163
Acrylic nail
  intact, 471
  pulled off, 680
  ripped off, 424
Adhesion, labial
  in adolescent, 328
Sexual Assault Victimization Across the Life Span —A Color Atlas

male transvestite, 442-444
male victim, 450-463
military-related assault, 464-468
multiple perpetrators, 469-476
nonassault variants in, 554-605

breast findings, 577-579
consensual intercourse, 554-563
cystocele/rectocele, 574
episiotomy, 574-576
genital examination, 590-605
infection, 583-589
labial and vaginal findings, 570-573
perianal findings, 580-582
piercings, 568-569
post speculum examination, 576
skin-related findings, 564-567

normal findings in, 606-644
anus and rectum, 640-641
breastfeeding, 644
cervix, 636-639
eye, 644
female anatomy, 606
hymen, 618-633
labia in, 609-610
oral, 642-643
sperm, 644
Tanner stages in female, 606-608
vaginal wall, 634-635
vestibule in, 611-617
oral injury in, 477-484
prison rape of, 485-487
psychic healing, 488
sexually inexperienced, 498-505
stranger assault of, 506-519
strangulation of, 520-524
victim and perpetrator, 539-553

African-American adolescent
alcohol-related assault of, 323
clothing evidence of assault, 372-385
debris, 372-377
torn or displaced, 378-385
crime scene and, 386-388
defense injury in, 394-395
defense injury in, 394-395
digital penetration of, 401-402
disabled, 403-414
DNA-related case, 396-400
domestic violence, 415-425
drug-facilitated rape, 426-429
domestically disabled, 430-431
foreign object in, 432-436
homeless, 445-448
internet-related assault of, 449
lesbian, 437-441

African-American adult
DNA-related case, 398
facial edema in, 418
foreign body in, 432
frenulum in, 642
knife injury of, 433
protruding clitoris in, 609
ridge in, 611
torn clothing of, 383

African-American infant or toddler

normal findings in, 38
scarred, 34, 82
in toddler, 20, 39
in young child, 77, 84, 123, 124
Adolescent, 199-355
bisexual, 243-244
consenting sexual intercourse, 300-323
not previously sexually active, 318-323
previously sexually active, 300-317
digital-vaginal penetration of, 284-286
forced fellatio, 290-293
general injuries of, 294-299
internet-related assault of, 253-257
nonassault variants in
accident, 326-327
infection, 330-333
labial adhesions, 328
skin-related, 324-325
vaginal ridge, 329
normal findings
anal/rectal, 352-354
bands, 343
cervix, 350-351
clitoris, 348
hymen, 334-342
labia, 344-347
mouth, 355
vagina, 349
penile-vaginal penetration of, 201-283. See also
Penile-vaginal penetration
as perpetrator
adolescent as victim, 276-280
pre adolescent as victim, 182-186
young child as victim, 104-114
sodomy of, 287-289
Adrenogenital syndrome, 34
Adult, 357-644
alcohol-related assault of, 357-365
bite marks on, 366-371, 512, 518, 546, 600
clothing evidence of assault, 372-385
debris, 372-377
torn or displaced, 378-385
crime scene and, 386-388
defense injury in, 394-395
defense injury in, 394-395
digital penetration of, 401-402
disabled, 403-414
DNA-related case, 396-400
domestic violence, 415-425
drug-facilitated rape, 426-429
domestically disabled, 430-431
foreign object in, 432-436
homeless, 445-448
internet-related assault of, 449
lesbian, 437-441

740
Index

bleeding from dermatitis in, 48
excoriations on buttocks, 7
photodocumentation of, 57
touching of, 26
African-American pre adolescent
friend of family as perpetrator, 156
incest victim, 166, 171-173
penile-vaginal penetration of, 163
African-American young child
cunnilingus in, 85
estrogenized hymen in, 82
fondling of, 79
intravaginal ridge in, 145
labial laceration in, 107
parasitic infection in, 131
urethral prolapse in, 135
Aged skin, 724
Agglutination, 122
Aging genitalia, 705, 717
Alcohol-related assault
of adolescent, 209, 210, 213, 221, 226, 233-235, 239, 240, 242, 252, 297, 323
   bisexual, 243-244
   fellatio and, 292
   fimbriated hymen in, 239
of adult, 357-365, 397, 418, 464, 498, 534
   of adult male, 450, 456
   of middle-aged adult, 647-651, 657-658
Amphetamine in infant, 30
Ampulla, rectal, stool in
   in adolescent, 218
   in pre adolescent, 177
   of young child, 94
Anal abrasion, 649
Anal canal abrasion, 541
Anal edema, 651
Anal erythema
   in adult, 404, 475
   in middle-aged adult, 647, 651
Anal fissure, 137
Anal fold
   asymmetry of
      in adolescent, 263
      in young child, 88, 93, 152
Anal laceration
   in adolescent, 216, 261, 273
   in adult, 362, 404, 407, 412
   in male toddler, 33
   in middle-aged adult, 661, 695
   in young child, 98
Anal penetration
   of adolescent, 230, 231
   bisexual, 243
   of infant, 5
   of male toddler, 33
   of pre adolescent, 178, 179, 186
   of young child, 94
      male, 90, 91
Anal tag
   in adolescent, 234, 236, 305
   in elderly adult, 713
   in middle-aged adult, 700
   in pre adolescent, 180, 181
Anal verge
   in adolescent, 354
   in adult, 399, 640
   in deceased victim, 391
   erythema of
      in adolescent, 266
      in adult, 399
      laceration of, 306
      in pre adolescent, 198
Anatomy, normal female genital, 606-608
Anesthesia, relaxed hymen and, 133
Angularity of hymen in young child, 103
Anorexia, 514, 590
Anoscopy
   in adolescent, 222, 275, 306, 354
   in adult, 363, 404, 406, 456, 475, 548, 605, 641
   in elderly adult, 703
Anterior commissure
   abrasion at, 682
   erythema at
      in adult, 361, 426, 507
      in young child, 104
   ridge inferior to, 611, 612
Anus
   blue-gray ring around, 19
   condyoma acuminata on, 126
   debris around, 475
   in deceased victim, 390
   ecchymosis of, 362
   edema around, 487
   erythema of
      in adolescent, 211, 289
      in elderly adult, 713
   focal erythema of, 14
   general anesthesia and, 133
   hyperpigmentation of, 236
   laceration of, in infant, 3
   laceration superior to, 230, 275
   normal
      in adolescent, 218, 232, 234, 243, 263, 315
      in adult, 640

741
in middle-aged adult, 700
in preadolescent, 178, 192
in young child, 153
normal perianal folds in, 26
oozing lesion superior to, 217, 287
pencil in, 289
penetration of. See Anal penetration
pigmentation around, 152
pinworm at, 131, 404
relaxed
in preadolescent, 181, 198
of preadolescent, 159
in young child, 85, 88
residual dye on, 214
shaved, 453
in adolescent, 305
Asian toddler, touching of, 19
Asymmetry
of anal folds
in adolescent, 263
in young child, 152
of hymen, 88
labial
in adolescent, 212, 226, 277, 316, 344, 346, 347
in adult, 610
in young child, 143
of perianal fold, 249
of vascular pattern, 80
Atrophy
cervical, 716
of vaginal rugae, 714
Augmented breast
in adolescent, 313
in adult, 577
in middle-aged adult, 696
Autistic victim, 407, 430
Avulsion, 252
Axilla, scratches on, 549
B
Back
abrasion of
in adult, 368, 600
in middle-aged adult, 677
in young child, 99
in cerebral palsy, 410
defense injury of, 677
eccymosis of
in adolescent, 243
in adult, 372, 516, 517, 543, 545
in elderly adult, 719, 722
in middle-aged adult, 648, 659, 662, 667, 687, 692
erythema of
in adolescent, 297
in adult, 371
handcuffs causing, 399
grab mark on, 677
previous injury to, 422
scar on, 403
scratches on
in adolescent, 303
in adult, 529
slash marks on, 243
Asian adolescent
hymenal contusion in, 221
periurethral bands in, 343
redundant hymen in, 334, 338
rubbing of, 307
Asian adult
asymmetrical labia in, 610
pregnant, 420
Avulsion
See Anal penetration
Band
hymenal, 557
in adolescent, 340
in adult, 614-615
in young child, 72
perihymenal
in adult, 614-615, 620
hymenal tag appearing as, 339
periurethral
in adolescent, 244, 247, 343
in adult, 427
in preadolescent, 156, 162
in toddler, 16, 56
in young child, 87, 110, 144
Bartholin duct, 613
Base, hymenal, vascular, 150
Beating
of adolescent, 294, 296-299
of adult, 517
Bedroom as crime scene, 386
Belt, torn, 379, 385
Belt mark
on adolescent, 294, 297
on adult, 422
Birthmark, on breast, 578
Bisexual adolescent, 243-244
Bisexual adult male, 461
Bite mark
on arm
in adult, 368, 600
in middle-aged adult, 677
of young child, 99
on breast, 425
in adult, 369
in middle-aged adult, 673, 696
on buttocks
in adult, 366
in infant, 31
on chest, 368, 512, 518
darkening of, 299
on hip, 516
on lip, 582
on nipple, 518
on penis
of adult, 546
of young child, 94
on shoulder, 370
on thigh, 369
on tongue, 370
Black fiber in perianal folds, 315
Black lesion, 708
Blanching around abrasion, 371
Bleeding
anal, in preadolescent, 186
from dermatitis, 48
 friable fourchette and, 132
green filter for photographing, 603
of laceration, 219
 hymenal, 219, 228
labial, 447
perianal, 503
of polyp, 655
urethral prolapse and, 52
vaginal
in toddler, 20
in young child, 79, 121
Blister on hymen, 271
Blood
around mouth, 469
on clothing
of adolescent, 201
blouse, 382
cunnilingus and, 13
past history of, 27
of preadolescent, 182
from straddle injury, 35
streptococcal infection and, 129
touching and, 17
vaginal bleeding and, 20
in young child, 133
of young child, 113
on diaper, 3, 8, 47
cystitis and, 48
 history of, 38
scratches and, 51
in straddle injury, 35
dried
in adult, 400, 407, 449
on lip, 543
on floor, 71
green filter for photographing, 603
on hymen, 416
on labium minus, 119
menstrual
in adult, 381, 400, 416, 418, 438, 475
from cervical os, 636
on hymen, 233
oozing. See Oozing lesion
on underwear
of adult, 374, 377
dried, 494
of middle-aged adult, 656
of suspect, 529
on urination, 75
in venation, 75
Blood clot, 114, 117
Blouse
blood on, 382
torn, 385
Blue-gray ring around anus, 19
Blue nevus, 139
Blue vein, 345
Bra
dirt and debris on, 373
Breast
- abrasion of, 421
- augmented
  - in adolescent, 313
  - in adult, 577
  - in middle-aged adult, 696
- birthmark on, 578
- bite mark on
  - in adult, 369, 425
  - in middle-aged adult, 673, 696
- burn on, 578
- chains beneath, 494
- ecchymosis of
  - in adolescent, 302
  - in adult, 380, 516
  - in middle-aged adult, 673, 696
- exposed, 258
- fondling of, in adolescent, 229
- healing injury of, 215
- injury to, in young child, 138
- in middle-aged adult, 696
- scratches on, 303
  - of male adult, 553
Breastfeeding, 644
Breast reduction scar, 579
Breech delivery, 50
Bridge, hymenal, 28
Broken tooth, 450
Broom handle, 252
Brown hair, kinky, on toddler, 8
Burn, on breast, 578
Buttock
- abrasion of, 459
- bite mark on, 366-367
- bra fastened around, 413
- contusion on, 459
- ecchymosis of, 512
  - in adult, 459
  - in elderly adult, 707
  - of infant, 5
- erythema of
  - in adolescent, 235
  - from diaper dermatitis, 49
  - in middle-aged adult, 692
- excoriations on, 7
- folliculitis on
  - in adolescent, 232
  - in adult, 567
- gunshot wound of, 565
- pustule on, 705
- scrape on, 538
- scratches on
  - of adolescent, 296
  - in adult, 471
  - stool on, 496
  - tissue between, 535
  - warts on, 43
Buttoning of sweater, 379

C
- Can, foot powder, 386
- Canal, anal, abrasion of, 542
- Cancer
  - hysterectomy for, 573
  - vulvectomy for, 572
- Candida albicans
  - in adolescent, 261, 332, 333
  - in adult, 589
  - diaper dermatitis from, 49
  - in disabled toddler, 34
  - in preadolescent, 185, 190
  - in young child, 130
- Candleholder as foreign body, 106
- Canker sore, 652
- Caries, milk bottle, 136
- Caruncula, hymenal, 315, 510, 628, 632, 633
- transection on side of, 334
- Catheter, balloon, 594
- Caucasian lesion, 43
- Cerebral palsy, 410
- Cervical bleeding, 396
- Cervical os
  - in adolescent, 301
  - edema of, 511
  - erythema of, 511
  - erythema superior to, 273
  - eversion at, 561
  - menstrual blood in, 274, 636
  - mucus on, 509, 561
  - open
    - in adolescent, 350, 351
    - in adult, 419, 636
    - in postpartum adolescent, 351
  - postpartum
    - in adolescent, 351
    - in adult, 638
    - purulent discharge from, 511
    - small, 675
    - vascularity around, 163
    - white discharge from, 359
- Cervical polyp, 329
- Cervix
  - abrasion of
    - in adult, 434
    - in middle-aged adult, 668, 678
  - after first consensual intercourse, 558
  - contusion of, 221
Cigarette burn on breast, 578
Circular hymen, 60
Clavicle, ecchymosis of, 545
Cleft
in adolescent, 202, 231, 312
in adult, 398, 419, 601, 621, 625, 628, 629, 630, 632
in preadolescent, 163, 171
in young child, 79, 85, 116, 134
Clipping injury, 478
Clitoral hood
abrasion of, 427
blue nevus on, 139
citoris protruding from, 609
ecchymosis of, 100, 102
edema of, 9, 14
erythema of, 571
in adolescent, 324
in adult, 426
in toddler, 17, 20
in young child, 111
hypertrophy of, 262
in infant
edema of, 9
large, 10
laceration of
in adolescent, 212, 309
in adult, 471
in middle-aged adult, 664
in preadolescent, 174
large
in adolescent, 262
in infant, 10
in toddler, 11
normal, of toddler, 25
skin breaks lateral to, 325
Clitoris
abrasion inferior to, 187
echymosis inferior to, 430
elongated, 139
erythema of
in adolescent, 209, 253
in elderly adult, 704
in preadolescent, 156, 158
in young child, 75, 77, 104
failure to fuse, 135
laceration of
in adolescent, 210
in adult, 508
in elderly adult, 706
large, 438
normal, 348
protruding, 609
Closed hymen, 242
Clot, blood, 114, 117
Clothing. See also Underwear
belted at pubis, 452
blood on
  of adolescent, 201
  cunnlingus and, 13
  past history of, 27
  of preadolescent, 182
  from straddle injury, 35
  of toddler, 13, 17, 20, 27, 35
touching and, 17
  vaginal bleeding and, 20
debris on, 372-374, 376, 475
  vegetative, 467
dirt on, 279, 323
glass on, 279, 377
ripped, 235
stains on, 375
straw on, 382
torn, 378, 383, 384
  bra, 380
  shirt, 384, 687
  underwear, 385
victim’s, 550
wet, 533
  Wood’s lamp examination of, 437
Coated tongue, 685
Coating on labium majus, 664
Coccygeal erythema, iatrogenic, 512
Collar, neck, 460
Color of hymen, 80
Color of nipple, 697
Colposcopy, 435, 602, 604
  of soft palate, 643
  of toddler, 24
Column, intravaginal, 79
Columnar epithelium, 636
ectropion, 208
Commissure, anterior
  abrasion at, 682
  in adult, 609
  erythema inferior to, 426
  erythema of
    in adult, 361, 507
    in young child, 104
  ridge inferior to, 611, 612
Condom, 440
  as foreign body, 251, 252
Condyloma acuminata
  in adolescent, 315, 330-331, 331
  in adult, 467, 583-587, 586, 587
  in infant or toddler, 42-44
  in young child, 125, 126
Congestion, venous, 431, 454
  in adolescent, 265
  in middle-aged adult, 655
  in preadolescent, 180, 184, 188
  in young child, 90
Conjunctiva, palpebral, 644
Conjunctival hemorrhage, 520
Conjunctival petechiae in deceased victim, 389
Consenting sexual intercourse
  by adolescent
    not previously sexually active, 318-323
    previously sexually active, 300-327
  by adult
    middle-aged, 689-690
    not previously sexually active, 554-556
    previously sexually active, 559-563
    unknown previous sexual experience, 557-558
Constipation
  in infant, 53
  in toddler, 8
Contusion
  on back, 450
  on buttocks, 459
  of cervix, 221
  of eye, 516
  hymenal
    in adolescent, 221, 224, 237, 252
    in young child, 119, 120, 121
Cord, beating with
  of adolescent, 296
  of adult, 362
Cream, Premarin, 124
Crescentic hymen
  in adult, 617
  in infant or toddler, 21, 22, 34, 62-65
  in preadolescent, 160, 168, 191, 194
  in young child, 95, 103, 104, 145-150
Crime scene, 386-388
Crotch of trousers, wet, 533
Cuff
  hand, 399, 486
  wrist marks from, 525
  leg, 486
  vaginal
    in middle-aged adult, 683
    posthysterectomy, 573
Culture
  Candida albicans, 49
    in preadolescent, 185
  Chlamydia trachomatis
    in adolescent, 332
    in adult, 588
    in infant, 46
    in young child, 100
Escherichia coli, 47
Gardnerella vaginalis. See Gardnerella vaginalis
Neisseria gonorrhoeae
  in male adult, 588
  in male toddler, 33
as incest victim, 175, 177
toddler, 11
Device padlocked to penis, 460
Diabetes, 206
Diaper, blood on, 47
constipation and, 53
history of, 38
scratches and, 51
in straddle injury, 35
Diaper dermatitis
bleeding from, 48
erythema from, 49
fissures from, 53
Diarrhea stool, 570
Diethylstilbestrol, 613
Digital contact of preadolescent child, 161
Digital penetration
of adolescent, 209, 230, 231, 284-286
incest victim, 264, 266
of adult, 401-402, 416
of bisexual adolescent, 243
of disabled toddler, 34
of infant, 5-6, 38
of preadolescent, 158-159, 164-166, 169,
172, 175, 179, 181, 189
of young child, 74-76, 80-88, 98, 112
adolescent perpetrator, 104-105
Dirt
around anus, 476
on clothing, 279, 323, 373
on hymen, 537
on perianal area, 538
Dirty feet, 671
Disabled victim, 34. See also Developmentally delayed victim
Discharge
in adolescent, 261
cheesy, 589
in infant, 46
normal mucus, 339
periurethral, 109
physiologic, 264, 350
purulent, from cervical os, 511
vaginal, in infant, 46
white
in adolescent, 238, 237, 309, 316, 332, 333, 350
in adult, 359, 434
in elderly adult, 720
in middle-aged adult, 654, 662, 682
perineal, 665
in preadolescent, 157
in young child, 130
yellow
in adolescent, 202
in elderly adult, 716
in preadolescent, 175
Divot laceration, 204
DNA-related case, 396-400, 426
hands in plastic bags to preserve, 605
Documentation, 601
Domestic violence, 415-425
Double vaginal orifices
in adolescent, 342
in adult, 573
in toddler, 66
Down syndrome, 262
Dried blood, 400, 407, 449, 543
Dried grass on clothing, 377
Drug-facilitated assault
of adolescent, 258-261
of adult, 426-429
Duct, Bartholin, 613
Duct tape, 506, 702
Dystrophy, vulvar, 694
Dysuria
in adolescent, 327
in toddler, 27

E
Ear
eccymosis behind, 424, 478
petechiae behind, 446
Eccymosis
anal, 362
of arm
in adolescent, 243
in adult, 372, 516, 517, 543, 545
in elderly adult, 719, 722
in middle-aged adult, 648, 662, 667, 687, 692
around eye, 502
on back, 256
behind ear, 424, 478
on body of young child, 99
on breast, 302
in adult, 380, 516
in middle-aged adult, 673, 696
in young child, 138
on buttock, 512
of buttocks
in adult, 459
in elderly adult, 707
of cheek
in adult, 483
in middle-aged adult, 670
of chest, 370, 545
of clavicle, 545
of clitoral hood
in adult, 427
in young child, 100, 102
in deceased victim, 389
of eye, 516, 543
of forehead, 658
of groin, 519
of hand, 544
of hip, 443
hymenal, 209, 225, 252
in adolescent, 271, 327
in adult, 501
iatrogenic, 587
inferior to clitoris, 430
on knee, 272
labial
in adult, 515
in deceased victim, 391
in middle-aged adult, 651
of labium majus, 362
of leg, 433
in adolescent, 298
in adult, 512
in elderly adult, 712
of lip, 479
in adolescent, 245
in adult, 425, 477, 481, 482, 483, 517, 543
in middle-aged adult, 658
in preadolescent, 173
of neck
in adult, 424, 520, 522, 523
in middle-aged adult, 659
over pubic bone, 100
over spinal column, 514
of penis
in adult, 546
in infant, 31, 32
in toddler, 52
in young child, 94, 121
perianal
in adolescent, 265
in middle-aged adult, 655
perineal, in infant, 2
periorbital, 396
of posterior fourchette, 121, 324
punctate, 659, 676
of scapula, 514-515
scrotal, in infant, 32
of shoulder
in adult, 515
in elderly adult, 707
suction
in adolescent, 295, 303, 308
in adult, 502, 526
of thigh
in adolescent, 258, 272, 294
in adult, 458, 526
in middle-aged adult, 650, 671
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>in young child, 92</td>
</tr>
<tr>
<td>of wrist, 543</td>
</tr>
<tr>
<td>Ectropion</td>
</tr>
<tr>
<td>in adolescent, 313, 329, 350</td>
</tr>
<tr>
<td>in adult, 636, 638</td>
</tr>
<tr>
<td>Ectropion columnar epithelium, 208</td>
</tr>
<tr>
<td>Edema</td>
</tr>
<tr>
<td>anal</td>
</tr>
<tr>
<td>in adolescent, 211</td>
</tr>
<tr>
<td>in adult, 408, 487</td>
</tr>
<tr>
<td>in middle-aged adult, 651</td>
</tr>
<tr>
<td>of cervical os, 511</td>
</tr>
<tr>
<td>of clitoral hood, 14</td>
</tr>
<tr>
<td>of eyebrow, 707</td>
</tr>
<tr>
<td>facial, 418</td>
</tr>
<tr>
<td>of fossa navicularis, 651</td>
</tr>
<tr>
<td>of hand, 564</td>
</tr>
<tr>
<td>of hemorrhoid, 581</td>
</tr>
<tr>
<td>hymenal, 537</td>
</tr>
<tr>
<td>in adult, 395</td>
</tr>
<tr>
<td>in middle-aged adult, 688</td>
</tr>
<tr>
<td>in young child, 72, 117</td>
</tr>
<tr>
<td>of hymenal tag, 185</td>
</tr>
<tr>
<td>labial</td>
</tr>
<tr>
<td>in adult, 409</td>
</tr>
<tr>
<td>in elderly adult, 709, 720</td>
</tr>
<tr>
<td>in toddler, 19</td>
</tr>
<tr>
<td>of labium majus, 570</td>
</tr>
<tr>
<td>of lip, 245, 418, 420, 478</td>
</tr>
<tr>
<td>of nose, 528, 552</td>
</tr>
<tr>
<td>orbital, 516</td>
</tr>
<tr>
<td>penile, in infant, 31</td>
</tr>
<tr>
<td>perianal</td>
</tr>
<tr>
<td>in adolescent, 265</td>
</tr>
<tr>
<td>in adult, 362, 363</td>
</tr>
<tr>
<td>in middle-aged adult, 660</td>
</tr>
<tr>
<td>in preadolescent, 174, 185</td>
</tr>
<tr>
<td>periorbital, 396</td>
</tr>
<tr>
<td>perurethral</td>
</tr>
<tr>
<td>in toddler, 25</td>
</tr>
<tr>
<td>in young child, 106</td>
</tr>
<tr>
<td>of posterior fourchette, 300</td>
</tr>
<tr>
<td>Edentulous adult, 431</td>
</tr>
<tr>
<td>Elbow, ecchymosis of, 667</td>
</tr>
<tr>
<td>Elderly adult, 701-725</td>
</tr>
<tr>
<td>nonassault variants in, 724-725</td>
</tr>
<tr>
<td>sexual assault of, 702-723</td>
</tr>
<tr>
<td>Electric cord, beating with, 362</td>
</tr>
<tr>
<td>Elongated clitoris, 139</td>
</tr>
<tr>
<td>Epileptic adult, 407</td>
</tr>
<tr>
<td>Episiotomy scar</td>
</tr>
<tr>
<td>in adult, 574-576</td>
</tr>
<tr>
<td>in middle-aged adult, 699</td>
</tr>
<tr>
<td>Epithelium, columnar, 208, 636</td>
</tr>
<tr>
<td>Erythema</td>
</tr>
<tr>
<td>abrasion appearing as, 268, 560</td>
</tr>
<tr>
<td>anal</td>
</tr>
<tr>
<td>in adolescent, 222, 289</td>
</tr>
<tr>
<td>in adult, 404, 408, 476</td>
</tr>
<tr>
<td>in deceased victim, 391</td>
</tr>
<tr>
<td>in elderly adult, 713</td>
</tr>
<tr>
<td>in middle-aged adult, 647, 651</td>
</tr>
<tr>
<td>of anal verge, 266</td>
</tr>
<tr>
<td>at anterior commissure, 104, 361, 507</td>
</tr>
<tr>
<td>of arm</td>
</tr>
<tr>
<td>in adolescent, 297</td>
</tr>
<tr>
<td>in adult, 371</td>
</tr>
<tr>
<td>around pustule, 705</td>
</tr>
<tr>
<td>of back, 297</td>
</tr>
<tr>
<td>of buttocks</td>
</tr>
<tr>
<td>of adolescent, 235</td>
</tr>
<tr>
<td>in middle-aged adult, 692</td>
</tr>
<tr>
<td>of cervical os, 511</td>
</tr>
<tr>
<td>of cervix</td>
</tr>
<tr>
<td>in adolescent, 223, 274</td>
</tr>
<tr>
<td>in middle-aged adult, 677</td>
</tr>
<tr>
<td>clitoral</td>
</tr>
<tr>
<td>in adolescent, 209, 253</td>
</tr>
<tr>
<td>in elderly adult, 704</td>
</tr>
<tr>
<td>in preadolescent, 156, 158</td>
</tr>
<tr>
<td>in young child, 75, 77</td>
</tr>
<tr>
<td>of clitoral hood, 571</td>
</tr>
<tr>
<td>in adolescent, 324</td>
</tr>
<tr>
<td>in adult, 426</td>
</tr>
<tr>
<td>in toddler, 17, 20</td>
</tr>
<tr>
<td>in young child, 111</td>
</tr>
<tr>
<td>coccygeal, iatrogenic, 512</td>
</tr>
<tr>
<td>condyloma acuminata and, 586</td>
</tr>
<tr>
<td>diaper dermatitis causing, 49</td>
</tr>
<tr>
<td>of fingernails, 288</td>
</tr>
<tr>
<td>of fossa navicularis, 238</td>
</tr>
<tr>
<td>in adolescent, 261, 281, 286, 320, 322, 323</td>
</tr>
<tr>
<td>in adult, 360, 502, 597</td>
</tr>
<tr>
<td>in elderly adult, 704, 718</td>
</tr>
<tr>
<td>in middle-aged adult, 673</td>
</tr>
<tr>
<td>generalized, 108</td>
</tr>
<tr>
<td>of palatoglossal arch, 293</td>
</tr>
<tr>
<td>handcuffs causing, 399</td>
</tr>
<tr>
<td>of hard palate, 292</td>
</tr>
<tr>
<td>of hymen, 537</td>
</tr>
<tr>
<td>in adult, 485, 505, 555, 557</td>
</tr>
<tr>
<td>in elderly adult, 704, 714</td>
</tr>
<tr>
<td>from fondling, 21</td>
</tr>
<tr>
<td>in middle-aged adult, 674, 675</td>
</tr>
<tr>
<td>from penetration by another child, 37</td>
</tr>
<tr>
<td>in preadolescent, 164, 176, 179</td>
</tr>
<tr>
<td>of preadolescent, 178</td>
</tr>
<tr>
<td>straddle injury causing, 36</td>
</tr>
</tbody>
</table>
Sexual Assault Victimization Across the Life Span —A Color Atlas

in toddler, 47
in young child, 72, 76, 77, 107, 109
at hymenal base, 23, 25, 45, 318
of hymenal perimeter, 16
of hymenal remnants, 710
iatrogenic, 353
infection causing, 127
on knuckles, 506
labial, 537
in adolescent, 211, 265, 276, 318
in adult, 401, 409, 414, 426, 448, 449, 562, 571, 572, 580
in deceased victim, 392
in elderly adult, 704, 709, 712, 714
Gardnerella vaginalis causing, 129
in homicide victim, 602
in infant, 46
in middle-aged adult, 650, 652, 661
in preadolescent, 167
tod in toddler, 13, 17, 20, 23
in young child, 105, 108, 112, 120
of labium majus, 571
in elderly adult, 712
from laceration, 428
of lip, 652
of mouth, 657
of mucous membrane, 290
of neck, 524
in adult, 384, 420, 522, 564
in middle-aged adult, 657, 680
of nipple, 579
as nonspecific finding in infant, 11
of palatoglossal arch, 484
penile, in infant, 30, 32
perianal
in adolescent, 265
in adult, 360, 489
in infant, 30, 53
in male adult, 399
in middle-aged adult, 660, 690
in preadolescent, 178, 185
in toddler, 15
in young child, 90
perineal
in adult, 403, 570, 640
in middle-aged adult, 650
periurethral
in adolescent, 240, 276
in infant, 9
in toddler, 26
in young child, 77, 102, 106
of posterior fourchette, 314, 662
in adolescent, 279
in adult, 421, 492, 493, 562
in elderly adult, 718
in middle-aged adult, 647, 652, 673, 675, 690
in preadolescent, 166
punctate
in adult, 487
in infant, 9
in preadolescent, 167
in young child, 102
rectal, 656
resolution of
in infant, 2
in toddler, 21
on shoulder, in infant, 31
of soft palate, 292
in adult, 643
streptococcal infection causing, 129
superior to cervical os, 273
of thigh
in adult, 570
in preadolescent, 187
urethral, 89
of vaginal wall, 684, 711
of vestibule
in infant, 4
in toddler, 11, 50, 51
vulvar, 403
of wrist, 506
Escherichia coli, 47
Estrogen stimulation, 199
Estrogenized hymen
in adolescent, 203, 264, 266, 267, 270, 276, 278, 279, 286, 312, 334, 336
in adult, 489
in preadolescent, 179
in young child, 82
Eversion at cervical os, 561
Examination technique
in adult, 590-605
genital examination, 590-591
photographic, 600-603
pitfalls of, 604-605
in preadolescent, 191-192
probe/balloon, 592-595
toluidine blue dye, 596-599. See also Toluidine blue dye uptake
varied, in preadolescent, 191-192
Excoriation on buttocks, 7
Extraction of tooth, traumatic, 136
Eye
ecchymosis around, 396, 502, 516, 543
scleral hypervascularity in, 697
Eyebrow
edema above, 707
gash above, 528
shaved, 463
F

Face
  abrasion of, 288, 449
  in adult, 552
  in elderly adult, 702
  in middle-aged adult, 658
  bruises on, 364
  gash on, 528
  petechiae on, 520
  scratches on, 543
Facial cut, 418
Facial edema, 418
Failure to fuse, 135
  of preadolescent, 197
Failure to thrive, 31
Fall by young child, 117
Fecal debris
  in adult, 431
  in preadolescent, 178
Feet, dirty, 671
Fellatio, forced
  adolescent and, 290
  adult and, 480, 481
  preadolescent and, 184, 186, 187
  young child and, 85, 92
Fiber
  as evidence, 235
  in perianal folds, 315
Filipino child
  accidental fall by, 119
  median raphe ridge in, 67
Filter, photographic, 603
Fimbriated hymen
  in adult, 619
  in young child, 82
Finger, knife wound of, 256, 394
Fingernail. See Nail
First consensual intercourse
  by adolescent, 318-323
  by adult, 554-556
Fissure
  anal, 137
  perianal, in infant, 53
Flap, hymenal
  in preadolescent, 170
  in toddler, 22, 23
Floor, debris on, 475
Focal erythema
  anal, 14
  of hymen, 72
  in infant, 32
  in toddler, 21
Fold
  anal
    asymmetry of, 263
    in young child, 88, 93
  deep, 96
  hymenal
    in adolescent, 239
    in adult, 593, 630
  perianal
    in adolescent, 249
    black fiber in, 315
    in infant, 26, 30
    laceration of, 90
    in middle-aged adult, 699
    in young child, 97, 134
Follicle
  on hymen, 230
  lymphoid, 344
  prominent, 612
Folliculitis, 464
  in adolescent, 325
  in adult, 567, 570
  on buttocks
    in adolescent, 232
    in adult, 567
    from shaving, 474, 567, 570
    of unknown cause, 567
Follow-up photograph, 15
Fondling. See also Touching
  of adolescent, 203, 229
  developmentally delayed, 262
  of disabled toddler, 34
  of preadolescent, 164, 171, 179, 185
  of toddler, 9, 17, 18, 20-21, 22, 25
  of young child, 72, 74, 79, 81, 87, 89, 95, 97, 105, 122, 124, 132, 146, 148
Foot
  abrasion of
    in adult, 470
    in middle-aged adult, 663
  dirty, 671
  ecchymosis of, 497
  sand on, 376
Foot powder can, 386
Forced fellatio
  adolescent, 290
  adult, 480, 481
  preadolescent, 184, 186
  young child, 92
Forearm. See Arm
Forehead
  abrasion of
    in adolescent, 288, 295
    in middle-aged adult, 658
  scratches on, 543
Foreign body
  in adolescent, 224, 251
  in adult, 432
  condom as, 252
  gingerroot as, 460
  IUD as, 436
  letter as, 435
  in toddler, 41
  in young child, 109
Foreign body penetration, 40
Foreskin, ecchymosis on, 52
Fossa navicularis
  abrasion of
    in adolescent, 227, 283, 318, 322
    in adult, 360, 409, 430, 464, 473, 502, 540, 562
    in middle-aged adult, 688
  dye uptake on, 234
  edema of, 651
  erythema of
    in adolescent, 237, 261, 286, 320, 322, 323
    in adult, 360, 502, 597
    in elderly adult, 704, 718
    in middle-aged adult, 673
  granulation tissue in, 316
  hymen rolled over, 257
  laceration of
    in adolescent, 323, 335
    in adult, 397, 401
    in elderly adult, 714
    in middle-aged adult, 679
    laceration on
      in adolescent, 268, 280
      in adult, 365, 414
      in infant, 8
Fourchette
  friable
    in infant or toddler, 50-51
    in young child, 132-134
  posterior. See Posterior fourchette entries
Fracture, nasal
  in adolescent, 288
  in adult, 449
Fragmented hymen, 315
Frenulum
  intact, 290
  normal, 642
  split of, 477
  torn, 253
Friable area, 324
Friable fourchette
  in infant or toddler, 50-51
  in young child, 132-134
Friend of family as perpetrator, 156-163
Fungal infection
  in adolescent, 332, 333
G
Gang-related assault, 220, 270, 293, 297
Gaping anus in deceased victim, 390
Gardnerella vaginalis
  in adolescent, 202, 230, 248, 261, 300, 332
  in middle-aged adult, 654
  in preadolescent, 163, 166, 171, 175, 181, 189
  in toddler, 43
  in young child, 112, 129
Gash above eyebrow, 528
Genital bleeding, urethral prolapse and, 52
Genital tract, double
  in adolescent, 342
  in adult, 573
  in toddler, 66
Genital wart. See Condyloma acuminata
Genitilia
  aging, 705, 717
  normal adult, 364, 606-608
  sand on, 284, 537
Gingerroot as foreign body, 460
Glans penis. See also Penis
  abrasion on, 288
  ecchymosis of
    in adult, 546
    in young child, 94
  erythema of, in infant, 30
Globe, hypervascularity around, 697
Glue from tape, 506
Gonorrhoea, 130
Grab mark
  on arm, 677
  in elderly adult, 719
  in middle-aged adult, 662
Graffiti on leg, 297
Granulating laceration, 574
Granulation tissue
  at base of hymen, 4
  in infant, 4
  in elderly adult, 711
  in fossa navicularis, 316
  on hymen, 318
Granuloma, 114
Grass on clothing, 279, 373, 377
Green filter, photographic, 603
Green mucus, 47
Groin, ecchymosis of, 519
Groove
  in adult, 611
  linear, 709
  vertical, 609
Group A beta-hemolytic streptococcus, 129
Gums
  normal vascular pattern in, 92
  pigmentation of, 642
Gunshot wound, 565

H
Haemophilus influenza, 83
Hair
  as evidence, 235
  kinky brown, on infant, 8
  pubic
    in elderly adult, 708, 712
    in middle-aged adult, 650, 698
    shaved, 308, 567
    in young child, 86, 112
  trace evidence in, 603
Hair piece, 442
Hand. See also Nail
  in cerebral palsy, 410
  edema of, 564
  erythema of, 506, 564
  knife wound of, 394
  laceration of, 518
  ligature line on, 496
  in plastic bags, 605
  self-inflicted scratches on, 291
Handcuffs, 486
  erythema from, 399
  hands in plastic bags and, 605
  wrist marks from, 525
Hanging, 496
Hard palate
  erythema of
    in adolescent, 292
    in adult, 643
  normal, 642
  petechiae of
    in adolescent, 261, 291
    in adult, 480
Healed puncture, 564
Healing
  in adolescent, 215-227, 253
  of breast, 215
  of posterior fourchette laceration, 220
  in adult
    perianal, 457
    of tongue, 484
    urethral, 591
  of breast, 215
  of canker sore, 652
  of cervix, 711
  of hymenal transection
    in adolescent, 257
    in young child, 71
  of laceration
    in adolescent, 218, 219, 220, 319
    in adult, 502
    anal, 98
    cervical os, 511
    labial, 723
    penile, 183
    perianal, 457
    perineal, 405
    posterior fourchette, 220
    tongue, 484
    urethral, 591
    in young child, 114-116
  of nasal abrasion, 677
  in preadolescent, 170
  psychic, 488
  in young child, 98
    of hymen, 118
    of laceration, 114-115
    perianal, 93
Hematoma, 324
Hemorrhage
  conjunctival, 520
  periurethral
    in middle-aged adult, 666
    in young child, 78
  petechial, 74, 75
  scleral, 445, 697
  subcutaneous, 710
  submucosal
    in adolescent, 237, 271
    in adult, 413
    in elderly adult, 716
    on hymen, 237
    in young child, 119
Hemorrhagic area of hymen, 675
Hemorrhagic urethral prolapse, 716
Hemorrhagic vesicle, 307
Hemorrhoid, 454, 488, 581
Hemorrhoidal tag, 444
Herpes simplex virus
  in adolescent, 234, 273, 314
  in adult, 583
  dye uptake in, 272, 314
  in preadolescent, 189
  in toddler, 42
  in young child, 127
Hip
  bite marks on, 516
  ecchymosis of, 443
  scratches of, 531
tire abrasion on, 565
Hispanic adolescent
  asymmetrical labia in, 347
  continuous hymen in, 341
  estrogenized hymen in, 203
  hyperpigmentation in, 345
  laceration of fossa navicularis in, 268
  pregnant, 250
  revictimization of, 230, 231
  sodomy of, 287
Hispanic adult
  continuous hymen in, 615
  episiotomy scar in, 575
  pregnant, 413
  Tanner stage of, 607, 608
Hispanic infant, clitoral hood edema in, 9
Hispanic preadolescent
  fondling of, 185
  as incest victim, 166, 176, 181
  periurethral bands in, 162
  touching of, 157
  uninterrupted hymen in, 193
  victim of adolescent perpetrator, 182
  vulvar contact with, 161
Hispanic toddler
  anal penetration of, 33
  cunnilingus of, 14
  diaper dermatitis in, 49
  fondling of, 9
  posterior fourchette laceration in, 12
  touching of, 23, 28
Hispanic young child
  anal findings in, 137
  bite mark on, 99
  cunnilingus of, 77
  digital penetration of, 72, 86
  foreign body in, 109
  labial adhesions in, 124
  rubbing of, 111
  streptococcal infection in, 130
  vaginal bleeding in, 121
HIV infection, 583
Homeless victim
  adult, 445-448
  middle-aged adult, 652-653
Homicide victim, adult, 366, 389-393, 602
Homosexual female, 437-444
Homosexual male, 463
Hook of bra, 380
Human immunodeficiency virus infection, 583
Human papilloma virus. See Condyloma acuminata
Hygiene, dental, 685
Hymen. See also Hymenal entries
  abrasion of, 684
  adhesions hiding, 124
  after 5 or 6 vaginal deliveries, 633
  after 4 vaginal deliveries, 632
  after one vaginal delivery, 627-629
  after 3 vaginal deliveries, 631
  anesthesia affecting, 133
  angularity of, 103
  annular
    in infant, 54
    in toddler, 4, 7, 24, 27, 55, 59
    in young child, 77, 79, 80, 110
  asymmetrical, 88
  blister on, 271
  blood on, 416
  caruncula on, 510, 628, 633
  circular, 61
  closed, 242
  color of, 80
  condyloma acuminata on, 583
  contusion of, 221, 224
    in adolescent, 221, 224, 237, 252
    in young child, 119, 120, 121
  crescentic
    in adult, 617
    in infant or toddler, 21, 22, 34, 62-65
    in preadolescent, 160, 168, 191, 194
    in young child, 95, 103, 104, 145-150
  debris on, 510
  dirt on, 537
  ecchymosis of
    in adolescent, 209, 225, 252, 327
    in adult, 501
    in infant, 2
  edema of, 537
    in adult, 395
    in middle-aged adult, 688
  in elderly adult, 716
  laceration of, 721
  erythema of, 537
    in adolescent, 204, 207, 216, 217, 218, 230,
      307, 315, 320, 322, 332, 337
    in adult, 485, 505, 555, 557
    in elderly adult, 704, 714
    in middle-aged adult, 674, 675
    in preadolescent, 164, 176, 178, 179
    in toddler, 16, 21, 26, 36
    in young child, 72, 76, 77, 107, 109
  estrogenized
    in adolescent, 203, 264, 266, 267, 270, 276,
      278, 279, 286, 312, 334, 336
    in adult, 489
    in preadolescent, 179
    in young child, 82
  fimbriated
    in adolescent, 235, 239, 247, 278, 286,
      304, 318, 320, 338, 339

Index

in adult, 619
fold of, 239, 593
follicles on, 230
fragmented, 315
granulation tissue on
  in adolescent, 318
  in infant, 4
healing of
  in adolescent, 219, 223
  in young child, 118
hemorrhagic area of, 675
in infant or toddler
  annular, 54-61
  crescentic, 22, 62-65
  erythema of, 21, 23, 25
  penile penetration, 2-4
  redundant, 18, 28
  septate, 66
laceration of
  in adolescent, 209, 219, 228-229, 318-319
  in adult, 501, 505, 554
  in young child, 115
menstrual blood on, 233
in middle-aged adult, 648, 678, 689
  abrasion of, 683
  ecchymosis on, 676
  erythema of, 674
mound on, 81
mucus on, 208
in never been pregnant adult, 621-624
in never sexually active adolescent, 335-341
no vaginal delivery and, 625-626
normal, 45
open, 213
papillations around, 613
petechiae of, 104
posterior rim of, 86, 95
in preadolescent
  annular, 193
  crescentic, 168, 194
  redundant, 196
  septate, 165, 196-197
  sleeve-like, 195
  translucent, 162, 168
  uninterrupted, 161
in pregnant adolescent, 248
in previously sexually active adolescent, 334
punctate ecchymosis of, 676
redundant
  in adult, 409, 618, 619, 629, 630
  in middle-aged adult, 647, 678
  in preadolescent, 247
  in toddler, 18, 20, 28, 55, 56, 58, 59, 60, 62, 64
in young child, 110
relaxed, 57
rolled, 257, 336
scalloped, 336
septate
  in adolescent, 342
  in infant or toddler, 66
  in preadolescent, 165, 196-197
  in toddler, 66
  in sexually inexperienced adult, 618-620
sleeve-like
  in adolescent, 262, 335
  in infant, 54
  in toddler, 18, 24, 55
submucosal hemorrhage on, 237, 413
tears of, 17
thick, 23
thin
  in adolescent, 249
  in young child, 86
three-leaf-clover–like, 337
transection of, 121
  in adolescent, 205, 206, 219, 220, 224, 225, 227, 231, 233, 243, 253, 254, 257, 271, 331, 334
  in adult, 625, 631, 632
  in deceased victim, 392, 393
  healing, 71, 229
  in pregnant adolescent, 250
  in young child, 100
translucent, 162, 168
transparent, 262
two vaginal deliveries and, 630
uninterrupted
  in adolescent, 208, 232, 260, 280, 304, 340, 344
  in adult, 615, 621
  in preadolescent, 161, 172, 193
  in pregnant preadolescent, 247
  in toddler, 21
  in young child, 105, 147, 148
vascular pattern of. See Vascular pattern, hymenal
white discharge on, 333
in young child
  angularity of, 103
  annular, 140-144
  crescentic, 145-150
  septate, 151
Hymenal band, 557
  in adolescent, 340
  in adult, 614-615, 620
  in young child, 72
Hymenal base
erythema of
  in adolescent, 318
  in toddler, 23, 25, 45
translucent, 162, 168
transparent, 262
two vaginal deliveries and, 630
uninterrupted
  in adolescent, 208, 232, 260, 280, 304, 340, 344
  in adult, 615, 621
  in preadolescent, 161, 172, 193
  in pregnant preadolescent, 247
  in toddler, 21
  in young child, 105, 147, 148
vascular pattern of. See Vascular pattern, hymenal
white discharge on, 333
in young child
  angularity of, 103
  annular, 140-144
  crescentic, 145-150
  septate, 151
Hymenal band, 557
  in adolescent, 340
  in adult, 614-615, 620
  in young child, 72
Hymenal base
erythema of
  in adolescent, 318
  in toddler, 23, 25, 45
vascular, 150
Hymenal bridge, 28
Hymenal cleft. See Cleft
Hymenal edge
irregular, 109
thick, 158
translucent, 169
Hymenal flap
in preadolescent, 170
in toddler, 22, 23
Hymenal fold, 630
Hymenal orifice in preadolescent, 165
Hymenal remnant
in adult, 474, 631, 633
in elderly adult, 709, 710
Hymenal rim
narrowed, 79, 85
posterior, 242
in preadolescent, 191, 192
translucent, 149
Hymenal tag, 616
in adolescent, 209, 244, 265, 278, 337
in adult, 616
appearing as perihymenal band, 339
in elderly adult, 713, 720
in infant or toddler, 17, 29
in middle-aged adult, 688
in preadolescent, 185, 196
in young child, 76
Hymenal tear, 206
Hymenal wing, 29
Hyperpigmentation
in adolescent, 236
labial, 489
at labial-thigh crease, 344
of penis, 527
perianal, 443, 535
in elderly adult, 702
in middle-aged adult, 699
in young child, 96, 100
perineal
in adolescent, 345
in adult, 474
in middle-aged adult, 663
in preadolescent, 172
skin thickening and, 580
of thigh
in adult, 566
in middle-aged adult, 663
in young child, 138
Hypertrophy of clitoral hood, 261
Hypervascularity
of cervix, 509
of periurethral area, 74
scleral, 697
Hypopigmentation, 324
Hysterectomy, 635
for cancer, 573

I
Iatrogenic injury
ecchymosis, 587
erythema, 353
photograph to rule out, 12
in young child, 134
Implant
in breast
in adolescent, 313
in adult, 577
in middle-aged adult, 696
in cheek, 442
Incest
of adolescent, 203, 262-269
pregnancy and, 250
of preadolescent, 156-163
of young child, 99-103
Indian adolescent, touching of, 325
Infant or toddler, 2-67
accidents in, 35-37
acute findings in, 2-15
anal erythema, 14-15
anal penetration, 5-6
edema of clitoral hood, 9
erythema of clitoral hood and vestibule, 10
excoriations on buttocks, 7
labial erythema, 16
labial lacerations, 13
large clitoral hood in, 11
penile penetration, 2-4
perineal lacerations, 8
posterior fourchette lacerations, 12-15
foreign body penetration in, 40-41
infection in
bacterial, 45-47
fungal, 48-49
friable fourchette, 50-51
infection, 42-49
labial adhesions, 38-39
scratches, 51
urethral prolapse, 52
normal or nonspecific findings in, 18-29
anus, 19
blood in underwear, 27
clitoral hood, erythema at, 17, 20
crescentic hymen in, 22
erythema of fossa navicularis, 18
of fondling, 18, 20, 22
hymenal erythema, 16, 21, 23, 25
hymenal remnant, 284
hymenal tag, 17, 29
periurethral erythema, 25, 26
redundant hymen, 18, 28
Index

Injury, general
- to arm, 421
- beating
  - of adolescent, 294-299
  - of adult, 517
- from belt, 294, 297, 422
- clapping, 478
- defense, 394-395
- iatrogenic, 132, 134
- ecchymosis, 587
- erythema, 353
- photograph to rule out, 12
- in young child, 132, 134
- self-inflicted. See Self-inflicted injury

Intravaginal ridge
- in adolescent, 158, 166, 197
- in toddler, 22
- in young child, 111, 141, 145

Introitus, herpes simplex virus on, 127
irregular hymenal edge, 109

Irritation, skin, 580

Jacket, debris on, 475

Jail-related assault
- of female, 485, 493
- of male, 398-399

Knife, 387
Knife wound
- in deceased victim, 393
- defense, 394

Kinky brown hair on infant, 8

Knee
- abrasion of, 430
- in adolescent, 272
- in adult, 449, 470, 544
- scratches on, 474

Knife, 387
Knife wound
- in deceased victim, 393
- defense, 394
on finger, 256
on hand, 433
on neck, 270

L
Labial adhesion
in adolescent, 328
in infant, 38
scarred
in disabled toddler, 34
in young child, 82
in toddler, 20, 39
in young child, 77, 84, 123, 124
Labial separation technique, 590-591
Labial-thigh crease, hyperpigmentation at, 344
Labial traction
technique of, 591
in young child, injury related to, 132
Labium, shaved
in adolescent, 347
in adult, 427
Labium majus
abrasion of, 307
coating on, 664
eccymosis of
in adolescent, 327
in adult, 362
in infant, 2
in young child, 100
edema of, 570
erythema of, 571
from diaper dermatitis, 49
in elderly adult, 712
in middle-aged adult, 650
folliculitis of, 325
herpes simplex lesion on, 42, 127
hyperpigmentation of, 138
laceration of
in adolescent, 269
in adult, 360
in deceased victim, 391
in toddler, 37
lichenification of, 570
nevus on, 609
sagging
in elderly adult, 705
in middle-aged adult, 660, 698
shaved, 320
Labium minus
abrasion of, 440
in adult, 448
in middle-aged adult, 648, 666, 674
asymmetrical, 212, 226, 277, 316, 344, 346, 347
black lesion on, 708
cheesy coating over, 652
condyloma acuminata on, 583, 584, 586
eccymosis of
in adolescent, 327
in adult, 515
in deceased victim, 391
in middle-aged adult, 651
edema of
in elderly adult, 709, 720
in toddler, 9, 19
erythema of, 537
in adolescent, 211, 276, 318
in adult, 401, 414, 426, 448, 449, 562, 571, 572, 580
in deceased victim, 392
in elderly adult, 704, 709, 712, 714
in homicide victim, 602
in infant, 46
in middle-aged adult, 650, 652, 657, 661
in preadolescent, 167
in toddler, 17, 20, 23, 26, 36, 47
in young child, 105, 108, 112, 120
Gardnerella vaginalis and, 129
healing of, 15
herpes simplex lesion on, 127
hyperpigmentation of, 489
intact, 321
laceration of
in adolescent, 206, 207, 212, 215, 240, 246, 264
in adult, 409, 447, 485, 513, 519, 549
in disabled toddler, 34
in elderly adult, 720, 721, 723
by foreign body, 435
in middle-aged adult, 683, 686
in toddler, 19
in young child, 73, 76, 107
large, 610
mucus, blood, and debris on, 119
nevus on
in preadolescent, 156
in young child, 143
normal, of toddler, 25
oozing lesion of, 508
petechiae of, 668
pigmentation of, 346
sebaceous cyst of, 513
submucosal hemorrhage of, 666
transection of, 572
underdeveloped, 610
vascular pattern of, 80
Laceration
anal
in adolescent, 216, 273
in adult, 362, 404, 407, 412
in male toddler, 33
Index

in infant, 5, 6
in middle-aged adult, 668
in preadolescent, 188
in toddler, 7
in young child, 91
of perianal fold, 90
perineal
  in adolescent, 241, 275, 276, 286, 305
  in adult, 361, 415, 466, 487, 563, 598, 599
  in elderly adult, 702
healing of, 405
  in middle-aged adult, 649
of posterior fourchette. See Posterior fourchette
laceration
  in preadolescent, 175
psychic healing of, 488
rectal, 548, 605
of scalp, 517
superior to anus, 230, 275
of tongue, 484
vaginal, 71
of vermilion border, 477
in young child, 133
Lacy vascular pattern, hymenal
  in adolescent, 219, 220
  in adult, 502
  of cervical os, 511
  in preadolescent, 170
hymenal, 501, 505
  in adolescent, 209, 219, 228
  in young child, 115, 117
labial
  in adolescent, 206, 207, 212, 215, 240, 246, 259, 264
  in adult, 409, 447, 485, 513, 519, 549
  in deceased victim, 391
  in elderly adult, 720, 721, 723
  by foreign body, 435
  in middle-aged adult, 683, 686
  in toddler, 19, 34, 37
  in young child, 73, 76, 107
on labial adhesion, 328
of labium majus
  in adolescent, 269
  in adult, 360
of lip
  in adolescent, 294
  in adult, 420, 481, 482, 531
on mons pubis, 694
mucosal, 452
penile, of perpetrator, 183
perianal
  in adolescent, 222, 223, 265
  in adult, 363, 374, 417, 422, 451, 456, 463, 495, 499, 502, 541, 548
healing, 457
healing of, 93

in middle-aged adult, 661, 695
in young child, 98
of anal verge, 306
of cheek, 483
clitoral, 706
  in adolescent, 210
  in adult, 508
of clitoral hood
  in adolescent, 212, 309
  in adult, 471
  in middle-aged adult, 664
  in preadolescent, 174
divot, 204
erythema from, 428
of fossa navicularis
  in adolescent, 268, 280, 323, 335
  in adult, 365, 397, 401, 414
  in elderly adult, 714
  in middle-aged adult, 679
granulating, 574
of hand, 518
healing
  in adolescent, 219, 220
  in adult, 502
  of cervical os, 511
  in preadolescent, 170
hymenal, 501, 505
  in adolescent, 209, 219, 228
  in young child, 115, 117
labial
  in adolescent, 206, 207, 212, 215, 240, 246, 259, 264
  in adult, 409, 447, 485, 513, 519, 549
  in deceased victim, 391
  in elderly adult, 720, 721, 723
  by foreign body, 435
  in middle-aged adult, 683, 686
  in toddler, 19, 34, 37
  in young child, 73, 76, 107
on labial adhesion, 328
of labium majus
  in adolescent, 269
  in adult, 360
of lip
  in adolescent, 294
  in adult, 420, 481, 482, 531
on mons pubis, 694
mucosal, 452
penile, of perpetrator, 183
perianal
  in adolescent, 222, 223, 265
  in adult, 363, 374, 417, 422, 451, 456, 463, 495, 499, 502, 541, 548
healing, 457
healing of, 93
Sexual Assault Victimization Across the Life Span — A Color Atlas

Ligature line
- on ankle, 497
- on hand, 496
- on neck, 446

Ligature mark, on neck, 523

Linear groove, 709

Lip
- abrasion of
  - in adolescent, 293
  - in adult, 481, 517
  - in middle-aged adult, 658
- bite marks on, 582
- chancre on, 190
- dried blood on, 543
- ecchymosis of
  - in adolescent, 246
  - in adult, 425, 477, 478, 482, 483, 517, 543
- edema of, 418, 420, 478
- erythema of, 652
- injury to, in preadolescent, 173
- laceration of
  - in adolescent, 294
  - in adult, 420, 481
- petechiae of, 482
- swelling of, 245
- vascularization of, 290
- viral lesions on, 89

Lips, laceration of, 531

Longitudinal intravaginal ridge, of preadolescent, 158

Longitudinal ridge, intravaginal, 22

Lymphoid follicle, 344

M

Maceration, 708

Macular lesion
- in infant, 53
- perianal, 89

Magnification, 598, 602

Male adolescent
- general injuries of, 298
- sodomy of, 287-289

Male adult, 450-463
- anal laceration in, 407-408
- broken tooth of, 450
- deceased, 393
- disabled, 407-408
- DNA-related case, 398-399
- emotionally disabled, 431
- healing perianal laceration in, 451
- jail-related assault, 398-399
- middle-aged, 656
- in military, 467
- mucosal laceration in, 452
- Neisseria gonorrhoeae in, 588
- normal perianal tissue in, 455
- penile abrasion in, 453-454
- perianal abrasion in, 462
- perianal laceration in, 456, 457
- rubbing erythema of, 580
- shaved pubic hair in, 527
- of strangulation, 522
- as suspect, 525-536
- transvestite, 442-444
- whip marks on, 458

Male infant or toddler
- anal penetration of, 33
- balanitis in, 52
- bite marks on, 31
- ecchymosis of penis, 31, 32
- erythema of glans penis in, 30
- excoriations on buttocks, 7
- median raphe in, 33
- Neisseria gonorrhoeae in, 33

Male preadolescent
- anal penetration of, 184, 185
- fellatio by, 185
- incest and, 178
- penile-anal penetration of, 184

Male young child
- anal penetration of, 90
- bite on penis, 94
- fondling and cunnilingus, 89
- forced sodomy, fellatio, and masturbation, 92-93
- penile-anal penetration of, 90, 91
- toilet seat falling on penis of, 121
- viral infection in, 125-128

Masturbation by young child, 92

Median raphe, 152
- in male toddler, 33
- normal, 326

Median raphe ridge
- in preadolescent, 186
- in toddler, 19, 67
- in young child, 89, 153

Membrane, mucous
- abrasion of, 311
- erythema of, 290

Menstrual blood
- in adult, 381, 400, 416, 418, 438, 475
- in cervical os, 274, 636
- on hymen, 233

Middle-aged adult, 645-700
- acquaintance as perpetrator, 666-670
- alcohol-related assault of, 647-651
- consenting intercourse, 689-690
- developmentally disabled, 654-656
- homeless, 652-653
- intimate partner assault of, 677-688
- nonassault variants
  - anal/rectal, 699
Index

breasts, 696
eyes, 697
genital, 698
nevus, 691
postvulvectomy, 692-693
vulvar dystrophy, 694-695
revictimization of, 657-665
Military insignia, 532
Military-related assault, 464-468
Milk bottle caries, 136
Molluscum contagiosum, 44
Mongolian spot, 138
Mons pubis
folliculitis of, 325
laceration of, 694
partially shaved, 513
shaved
in adolescent, 347
in adult, 426, 621
shaving of, 474
Mound
in adolescent, 230
hymenal, 21
in preadolescent, 157, 159, 160, 166, 176, 182, 194
in toddler, 58, 65
in young child, 81, 85, 87, 103, 107, 109, 110, 134, 140, 150
Mouth. See also Oral findings
erythema of, 657
healing laceration of, 502
penile penetration of, 480
Mucosa
rectal, normal, 462
viral lesions on, 89
Mucosal laceration, 452
Mucous discharge, normal, 339
Mucous membrane
abrasion of, 311
erythema of, 290
Mucus
on cervical os, 351, 509, 561
on cervix
in adult, 588
in elderly adult, 714
green, 47
on labium minus, 119
near hymen, 208
white, 40
Multiple perpetrators
adolescent victim of, 271-275
adult victims of, 469-476
gang-related, 220, 270, 293, 297
Multiple posterior fourchette lacerations, 226
Multiple sclerosis, 414
Multiple victims of incest, 176-181
Murder victim, 366, 389-393
adult, 602
Muscle wasting, 461
in anorexia, 514
in HIV infection, 461
in multiple sclerosis, 414
N
Nabothian cyst, 313, 691
Nail
acrylic, 471
intact, 471
pulled off, 680
ripped off, 424
broken, 415
erythema of, 288
intact, 547
torn, 364
of transvestite, 443
Nail scratches, 420
Nares, healing abrasion of, 677
Narrowed hymenal rim, 79, 85
Nasal fracture
in adolescent, 288
in adult, 449
Neck
abrasion of, 442
choking and
of adolescent, 281
of adult, 369
cut on, 433
echymosis of
in adult, 424, 520, 522, 523
in deceased victim, 389
in middle-aged adult, 659
erythema of
in adult, 384, 420, 522, 524
in middle-aged adult, 657, 680
injury to, 299
knife wound of, 395
in deceased victim, 393
ligature marks on, 446, 523
marks on, 564
scratches on, 687
suction echymosis on, 308, 526
in adolescent, 303
Neck collar, 460
Neisseria gonorrhoeae
in male adult, 588
in male toddler, 33
in young child, 130
Nevus
in adolescent, 266, 326, 349
in adult, 362
HIV-positive, 461
761
labial, 609
  perianal, 465
blue, 139
in elderly adult, 702
in preadolescent, 156
in young child, 139, 143
Nipple
  bite marks on, 518, 696
  color of, 697
  erythema of, 579
  pierced, 569
  suck injury to, 579
Nodule on vaginal wall, 653
Nonassault variant
  in adolescent, 324-333
  in adult, 554-605
  in elderly adult, 724-725
  in infant or toddler, 35-52
  in middle-aged adult, 691-699
  in young child, 117-139
Normal anatomy in adult, 606-608
Normal anus
  in adolescent, 218, 263
    bisexual, 243
  in adult, 640
  in middle-aged adult, 700
  in preadolescent, 178, 192
  in young child, 153
Normal cervix
  in adolescent, 253, 350
  in adult, 403
Normal examination
  of toddler, 24, 65
    with history of touching, 16
    with history of vaginal bleeding, 20
  of young child, 97
Normal genitalia, 364
Normal hard palate, 642
Normal mouth, 355
Normal perineal area, 352
Nose
  edema of, 528
    in adult, 552
  healing abrasion of, 677
Notch
  of preadolescent, 159
  in toddler, 22, 58, 60
O
Oozing lesion
  in adolescent, 217, 227, 246, 287, 300-301, 314
    on penis, 326
  in adult, 464
    on fossa navicularis, 414
  from anus, 489
  in elderly adult, 721
  furrow as, 612
  in infant, 48
  labial, 508
  laceration, 440
  of lip, 482
  perianal, 548
  perineal, 487
  polyp, 655
  in toddler, 14
  in young child, 71
Open anus in deceased victim, 390
Open Bartholin duct, 613
Open cervical os
  in adolescent, 350
  in adult, 419, 636
  in postpartum adolescent, 351
Open cervix, 351
Open hymen, 213
Oral findings
  in adolescent, 245
    fellatio causing, 302
    forced fellatio causing, 290-293
    laceration, 294
    normal, 355
  in adult, 418, 420, 425, 450-452, 469, 477-484, 502, 517, 582
    normal, 642-643
    on suspect, 531
  blood around mouth, 469
  in middle-aged adult, 652, 658, 685
  in preadolescent, 161, 173
  in young child, 136
Orbital edema, 516
Orifice
  hymenal, in preadolescent, 165
  vaginal
    in adult, 572
    condom in, 251
    double, 342
    green mucus in, 47
    in preadolescent, 193
Os, cervical. See Cervical os
P
Padlocked device, penile, 460
Pain, perineal, 327
Painful urination, 27
Palate
  hard
    in adult, 642
    erythema of, 292, 643
    petechiae of, 261, 291, 480
  soft
    in adult, 643
Penis
- abrasion of, 454
  - in adolescent, 288
  - in adult, 453
- of adolescent perpetrator, 183
- bite mark on
  - in adult, 546
  - in young child, 94
- circumcised, 429
- condyloma acuminata on, 587
- device padlocked to, 460
- ecchymosis of
  - in adult, 546
  - in infant, 31
  - in young child, 121
- ecchymosis on, 52
- erythema of, in infant, 30, 32
- herpes lesions on
  - in preadolescent, 189
  - in young child, 127
- hyperpigmentation of, 527
- nevus on, 461
- oozing lesion on, 326
- pierced, 540
- removed from deceased victim, 393
- ring on, 540
- toilet seat falling on, 121
- touching genitals of young child, 104
- uncircumcised, 283, 530, 531, 536
- uninjured, 534

Penile-anal penetration of male preadolescent, 183
Penile contact of preadolescent, 161
Penile penetration of mouth, 480
Penile-vaginal contact, 101
Penile-vaginal penetration
  - of adolescent, 201-282
  - acute findings in, 201-214
  - adolescent perpetrators, 276-280
  - alcohol-related, 233-235
  - developmentally disabled, 247
  - drug-facilitated, 258-261
  - with foreign object, 251-252
  - gang-related, 270
  - healing injury, 215-227
  - incest victim, 261-269
  - Internet-related, 253-257
  - multiple perpetrators, 271-275
  - not previously sexually active, 236-242
  - photodocumentation of, 281-283
  - pregnant, 247-250
  - prostitute, 245-246
  - revictimization, 228-232
  - stated bisexual, 243-244
  - of adult, alcohol-related, 359
  - of disabled toddler, 34
  - of infant, 2
  - of infant or toddler, 3-4
  - of preadolescent, 157, 163, 166, 171, 172, 178, 181
  - of young child, 71, 79, 85, 86, 99-100, 109, 113, 166

Perianal area
- abrasion of, 462
- bleeding in, 503
- condyloma acuminata in, 584
  - in toddler, 42
  - in young child, 125, 126
- dermatitis of
  - in adult, 431
  - diaper, 48
- dirt on, 538
- dried blood in, 407
- edema of
  - in adult, 362, 363
  - in preadolescent, 174, 185
- erythema of
  - in adult, 360, 489
  - in infant, 53
  - infection causing, 127
  - in male adult, 399
  - in preadolescent, 178, 185
  - in toddler, 15
  - in young child, 90, 137
- fissure in, in infant, 53
- healing laceration of
  - in adult, 457
Perineal bruise in infant, 2
Perineal laceration
  in adolescent, 241, 286, 305
  in adult, 361, 415, 466, 487
  healing of, 405
Perineal pain, 327
Perineal tenderness, 242
Perineum
  abrasion of, 204, 563
  abscess of, 582
  debris on, 27
  erythema of
    in adult, 403, 570, 640
    in middle-aged adult, 650
  herpes lesions on
    in adolescent, 273
    in toddler, 42
  hyperpigmentation of, 345, 474
    in middle-aged adult, 663
  laceration of
    in adolescent, 222, 265
    in adult, 363, 374, 417, 422, 451, 456, 463, 495, 499, 541, 548
    in infant
toluidine blue dye uptake of, 6
  normal, 97
  pinworm on, 131
Perianal ecchymosis
  in infant, 5
  in middle-aged adult, 655
Perianal edema, 660
Perianal erythema
  in infant, 30
  in middle-aged adult, 660, 690
Perianal fold
  in adolescent, 249
  black fiber in, 315
  laceration of, 90
  in middle-aged adult, 699
  normal
    in male toddler, 33
    in toddler, 26
    in young child, 134
Perianal fold in infant, 30
Perianal hyperpigmentation, 702
Perianal laceration, 668
Perianal lesion
  oozing, in infant, 48
  in young child, 89
Perianal nevus, 465
Perianal pigmentation, 352
Perianal tag
  in adolescent, 353
  in adult, 581, 640
  in toddler, 29
Perianal thickening, 100
Perianal tissue, normal, 455
Perianal venous congestion, 184
Perianal venous ring, 198
Perihymenal band
  in adult, 614-615, 620
  hymenal tag appearing as, 339
Perihymenal erythema, 129
Perineal area, normal, 352
Index

765

Pinworms, 96, 131, 404
Pitfalls of examination, 604-605
Plastic bags, hands in, 605
Plexus, venous, blood in, 88
Poison oak, 565
Polyp
  bleeding, 655
  cervical, 329
  rectal, 724
Polypoid tag, 278
Pooling of venous blood
  in adult, 406, 408
  in preadolescent, 180
Posthysterectomy, 573, 635, 683
Postvulvectomy, 692
Posterior fourchette
  abrasion of
    in adolescent, 227, 228, 255, 283
    in adult, 430, 490, 491, 507, 558, 560, 576
    in elderly adult, 720
    in middle-aged adult, 648
  cheesy coating over, 652
  ecchymosis of
    in adolescent, 324
    in middle-aged adult, 651
  erythema of, 662
    in adolescent, 279
    in adult, 421, 492, 493, 562
    in elderly adult, 718
    in middle-aged adult, 652, 673, 675, 690
    in preadolescent, 166
  uninjured, 671
  white coating on, 694
Posterior fourchette laceration
  in adolescent, 205, 207, 208, 211, 214, 216, 220,
  241, 246, 254, 259, 269, 272, 274, 275, 276, 278,
  279, 300, 307, 310, 314, 317, 324
  in adult, 365, 400, 401, 416, 440, 464, 466, 473,
  495, 498, 499, 500, 501, 505, 540, 562, 596, 597
  first consensual intercourse and, 556
  granulating, 574
  in deceased victim, 392
  in elderly adult, 706, 710, 711, 724
  healing of, 220
  in homicide victim, 602
  iatrogenic, 134
  in infant, 8
  in middle-aged adult, 649, 661, 662, 663, 664,
  665, 667, 668, 679, 681, 683, 686
  multiple, 226, 260
  photographing of, 604
  in preadolescent, 173, 185
  from straddle injury, 36
  in straddle injury, 35
  in toddler, 12

in young child, 78
Periurethral tissue, prominent, 310
Perpetrator
  acquaintance as, 666-670
  adolescent
    as victim, 276-280
    preadolescent as victim, 182-186
  young child as victim, 104-114
  of assault of adult, 525-536
  of drug-facilitated rape, 429
  friend of family as, 156-163
  handcuffs on, 399, 486, 525
  leg cuffs on, 486
  photodocumentation of, 282
Persistent erythema in infant, 4
Petechiae
  behind ear, 446
  cervical
    in adult, 388, 493, 604
    in elderly adult, 716
    in middle-aged adult, 675
  in deceased victim, 389
  facial, 520
  of hard palate
    in adolescent, 261, 291
    in adult, 480
  hymenal, 104
  labial, 668
  of lip, 482
  of soft palate, 302
  urethral, 686
  of uvula, 478
  on vaginal wall, 383
Petchial hemorrhage, 74, 75
Photodocumentation, 598
  of clothing, 35
  follow-up, 15
  of perpetrator, 282, 283
  of toddler, 57
Photographic technique, 600-603
Physiologic discharge, 264, 350
Pierced nipple, 569
Pierced penis, 540
Pierced tongue, 568, 569
Pierced umbilicus, 569
Pigmentation. See also Hyperpigmentation
  anal
    in toddler, 26
    in young child, 152
  of gums, 642
  labial, 346
  perianal, 352
  in preadolescent, 167
Pigmented nevus, 326
Pinched genitals in infant, 31
cunnilingus and, 13-14
in young child, 71, 76, 106, 114, 121, 132, 134
Posterior hymenal rim
in adolescent, 242
in young child, 86, 88, 95
Postmenopausal adult, 654
Postpartum adolescent
foreign object in, 251
open cervical os in, 351
Postpartum adult, 561, 638
preadolescent, 155-198
adolescent perpetrator, 182-186
friend of family perpetrator, 156-163
incest victim, 164-181
infection in, 189-190
normal findings in, 191-198
annular hymen, 193
anus, 198
crescentic hymen, 194
failure to fuse, 197
redundant hymen, 196
septate hymen, 196-197
sleeve-like hymen, 195
varied examiner techniques, 191-192
pregnant, 247
Pregnancy
diethylstilbestrol during, 613
history of, 624-633
Pregnant victim
adolescent, 247-250
adult, 413, 420
of prison-related assault, 494
self-inflicted injury in, 494-495
Premarin cream, 124
Prison-related assault
of female, 485, 494
of male, 398-399, 486-487
Probe, 592-593
Prolapse
urethral
in elderly adult, 716
in toddler, 52
in young child, 135
uterine
in elderly adult, 718
in middle-aged adult, 657, 689
vaginal, 714
Prominent follicle, 612
Prostitute
adolescent, 245-246
DNA-related case and, 398
Protruding clitoris, 609
Psychic healing, 488
Pubic bone, ecchymosis over, 100
Pubic hair
in elderly adult, 708, 712
in middle-aged adult, 650, 698
in preadolescent, 157
shaved
in adolescent, 308, 345
in adult, 567, 610
Tanner staging and, 606-608
young child and, 86, 112
Pubis, shaved
in adolescent, 344
in deceased victim, 392
Punctate abrasion, 90
Punctate ecchymosis, 659, 676
Punctate erythema
in adolescent, 211
in adult, 487
in elderly adult, 711
in infant or toddler, 9
in preadolescent, 167
in young child, 102, 106
Punctate laceration, perineal, 275
Punctate periurethral hemorrhage, 78
Puncture, healed, 564
Purulent discharge from cervical os, 511
Pustule on buttock, 705
R
Raphe, median
in male toddler, 33
in middle-aged adult, 695
in young child, 152
Rash
in middle-aged adult, 692
poison oak, 565
on thigh, 571
Recessed periurethral area, 60
Rectal ampulla, stool in
in adolescent, 218
in preadolescent, 177
of young child, 94
Rectal laceration, 548
Rectal mucosa, normal, 462
Rectal polyp, 724
Rectocele, 574
Rectum
in adult, 406
erythema of, 656
laceration of, 605
Red brown stain on clothing, 375
Red vagina
in infant, 8
in toddler, 8
Redness
in infant, 10, 46
on toddler’s bottom, 10
Index

vaginal, 37

Redundant hymen
  in adult, 409, 618, 619, 629, 630
  of infant, 46
  in middle-aged adult, 647, 678
  in preadolescent, 181, 196, 247
  in toddler, 18, 20, 28, 55, 56, 58-60, 62, 64
  in young child, 84, 110, 130

Relaxed anus
  in preadolescent, 159, 181, 198
  in young child, 85, 88

Relaxed hymen, 133

Remnant, hymenal
  in adult, 474, 631-633
  in elderly adult, 709, 710

Residual toluidine blue dye uptake, 237

Resolution of erythema
  in adolescent, 218, 223
  in infant, 2
  in toddler, 21

Resolved injury
  in infant, 6
  in young child, 120

Resolving injury, 722, 723

Revictimization
  of adolescent, 228-233
  of adult, 489-491
  of middle-aged adult, 657-665
  of young child, 95-98

Ridge
  intravaginal
    in preadolescent, 166, 168, 197
    of preadolescent, 158
    in toddler, 22
    in young child, 111, 141, 145
  median raphe
    in preadolescent, 186
    in toddler, 19, 67
    in young child, 89, 153
  rolled hymen appearing as, 336

Ridged median raphe, 695

Rim, hymenal. See also Hymen
  narrowed, 79, 85
  posterior, 86, 95, 242
  in preadolescent, 191, 192
  translucent, 147
    in young child, 147, 149
  uninterrupted, 105
    in adolescent, 344
    in pregnant preadolescent, 247

Ring
  penis, 540
  perianal venous, 198

Rip in underwear, 382
Ripped shirt, 384
Ripped underwear, 385
Rock, fall on, 120

Rounded hymenal edge, 193
Rubbing
  of adolescent, 232, 266, 307
  erythema from, 580
  hyperpigmentation caused by, 663
  of infant, 46
  of preadolescent, 164, 187
  of toddler, 18
  of young child, 73, 108, 111
    with toy, 106

Rugae, vaginal
  in adolescent, 312, 349
  in adult, 634-635
  in elderly adult, 714
  in middle-aged adult, 661, 681

S
  Sagging labium majus, 705
    in middle-aged adult, 660, 698
  Sagging perineum, 660
  Sagging thigh, 698
  Sand
    around anus, 475
    on feet, 376
    on genitalia, 284, 537
    on perianal area, 538
  Sandals, dirt on, 376
  Sausage as foreign body, 432
  Scab, labial, 571
  Scalloped hymen, 336
  Scalp
    laceration of, 517
    staples in, 442
  Scapula, ecchymosis of, 514, 515
  Scar
    on arm, 403
    breast augmentation
      in adolescent, 313
      in adult, 577
      in middle-aged adult, 696
    breast reduction, 579
    cesarean section, 567
    on cheek, 533
    episiotomy, 574-576
      in middle-aged adult, 699
      in young child, 115, 116
  Scarred labial adhesion
    in disabled toddler, 34
    in young child, 82
  Scene of crime, 386-388
  Scleral hemorrhage, 445, 697
patterned marks on, 459

Sebaceous cyst, labial, 513

Self-inflicted injury

of arm, 320
on arm, 403, 492
bite marks as, 368
on lip, 582
by hanging, 496
possible, 493
scratches on hand, 291
slash mark on wrist, 486
of wrist, 564

Semen, DNA analysis of, 396-400

Septate hymen

in adolescent, 342
in infant or toddler, 66
in preadolescent, 165, 196-197
in young child, 151

Septum, vaginal, 573

Sexually inactive adolescent

acute findings, 205
Candida infection, 238
consenting sexual intercourse, 320-323
healing injury, 221, 224
hymenal transection, 225
hyperpigmentation, 236
incest victim, 236, 264, 268
Internet-related assault, 253
labial laceration, 240-241
no visible injury, 242
penile-vaginal penetration of, 236-242
revictimization, 230-232
stranger assault, 279

Sexually inactive adult, 498-505

erythema of fossa navicularis in, 504
hymen in, 618-620
laceration of posterior fourchette, 498-501, 505
perianal laceration in, 503

Shaved anus, 305
in adult, 453

Shaved eyebrows, 463

Shaved labium majus

in adolescent, 320
sand on, 285

Shaved labium minus, 427

Shaved mons pubis, 474
in adolescent, 344, 347
in adult, 426, 513, 621
in deceased victim, 392

Shaved perineum, 485

Shaved pubic hair
in adolescent, 308, 345
in adult, 567, 610
in adult male, 527

Shaving, folliculitis from, 464
Index

Spot, Mongolian, 138
Stab wound in deceased victim, 393
Staging, Tanner, 606-608
Stain on clothing, 375, 385
  of suspect, 529
Staphylococcal infection, in infant, 8
Staphylococcus, 8
Staphylococcus epidermidis, 45
Staples in scalp, 442
Stick
  falling on, 121
  hit with, 298
  poked with, 371
Stimulation, estrogen, 199
Stool
  in ampulla
    in adolescent, 218
    in preadolescent, 177
    of young child, 94
  in anal folds, 90
  in anus
    in adolescent, 354
    in adult, 641
  on buttock, 496
  diarrhea, 570
  in elderly adult, 703
Straddle injury
  in adolescent, 327
  in toddler, 35, 36
Stranger assault
  of adolescent, 279-280
  of adult, 506-519
  of middle-aged adult, 671-676
  of preadolescent, 187-188
  of young child, 72, 115
Strangulation
  conjunctival hemorrhage in, 520
  scleral hemorrhages in, 445
Straw on clothing, 381
Streptococcus
  in infant, 43, 46
  in young child, 129
Soft palate
  petechiae of
    in adolescent, 292
    in adult, 643
  Sore, canker, 652
Sperm
  active, 644
  in urine of toddler, 27
Spinal column, ecchymosis over, 514
Spirochetal infection, 190
Split frenulum, 477

Shirt, ripped or torn, 384, 439, 687
Shoe, dirt on, 376
Shoulder
  abrasion on, 469
  bite mark on, 370
  ecchymosis of
    in adult, 515
    in deceased victim, 389
    in elderly adult, 707
  scratches on, 687
  tattoo on, 437
Silicone implant in cheek, 442
Skin
  aged, 724
  hyperpigmentation of, 138
  irritation of, 580
  peeling and denuded, 7
  rash on
    in middle-aged adult, 692
    poison oak, 565
    on thigh, 571
  thickening of, 580
Skin break
  on buttocks, 431
  near clitoral hood, 325
  on thigh, 566
Slash mark
  on adolescent, 243
  in adult, 564
  self-inflicted, 486
Sleeve-like hymen
  in adolescent, 262, 335
  in infant, 54
  in preadolescent, 195
  in toddler, 18, 24, 55
Small cervical os, 675
Smoked sausage as foreign body, 432
Smooth vaginal wall, 725
Sodomy
  of adolescent, 287, 298
  of adult, 431
  of young child, 92
Soft palate
  erythema of
    in adolescent, 292
    in adult, 643
  petechiae of, 302
Sore, canker, 652
Speculum examination of young child, 134
Sperm, 440
  active, 644
  in urine of toddler, 27
Spinal column, ecchymosis over, 514
Spirochetal infection, 190
Split frenulum, 477

769
Suction ecchymosis
  in adolescent, 295, 303, 308
  in adult, 380, 502
  on neck, 526
Suicide, attempted, 486
Surgical repair
  scarred labial adhesion at, 34
    in young child, 115
Suspect, 525-536
Suture, 115
Suture line at breast, 313
Swab, technique for, 592, 593
Sweater
  buttoned incorrectly, 379
  torn, 521
Swelling. See Edema
Syphilis in preadolescent, 190

T
Tag
  anal
    in adolescent, 234, 236, 305
    in elderly adult, 713
    in middle-aged adult, 700
    in preadolescent, 180, 181
  hemorrhoidal, 444
  hymenal
    in adolescent, 209, 244, 265, 337
    in adult, 616
    appearing as perihymenal band, 339
    in elderly adult, 713
    in preadolescent, 185, 196
    in young child, 76, 141
  intravaginal, 349
  perianal
    in adolescent, 353
    in adult, 581, 640
    in toddler, 29
  polypoid, 278
  vaginal, 34
Tampon, 436, 617
 Tanner staging, 606-608
Tape, duct, 506, 702
Tattoo, 532
  on shoulder, 437
Tear
  in clothing, 378, 379, 381
  of frenulum, 253
  hymenal
    in adolescent, 206
    in toddler, 17
Technique
  genital examination, 590-591
  photographic, 600-603
for preadolescent, 191-192
probe/balloon, 592-595
toluidine blue dye, 596-599. See also Toluidine blue
dye uptake
Tenderness, perineal, 242
Testicle removed from deceased victim, 393
Thick hymen
  of infant or toddler, 23
  of preadolescent, 158
Thickening
  perianal, 100
  skin, 580
Thigh
  abrasion of, 414
  bite mark on, 369
camchymosis of
  in adolescent, 272, 294
  in adult, 458, 526
    of infant, 5
    in middle-aged adult, 650, 671
    in young child, 92
erythema of
  in adult, 570
  in preadolescent, 187
  from rubbing, 580
hypertpigmentation of
  in adult, 474
  in middle-aged adult, 663
irritation of, 566
linear grooves on, 709
maceration of, 708
poison oak on, 565
rash on, 571
sagging, 698
scratches on, 474, 513
Thin hymen
  in adolescent, 249
  in young child, 86
Three-leaf-clover–like hymen, 337
Thumb
  healed puncture at base of, 564
  knife wound of, 394
Tire abrasion, 565
Tissue between buttocks, 535
Toddler
  anal erythema in, 14
  annular hymen in, 7
  blood in clothing of, 13
  clitoral hood of, 9, 10, 11
  cunnilingus of, 13-14
  erythema in, 11
    labial, 13
    of vestibule, 11
  excoriation of buttocks in, 7
  fondled, 17
kinky brown hair on, 8
labial abrasion in, 9, 13-14
perianal laceration from constipation in, 7
Staphylococcus culture from, 8
touching of, 11
Toe, abrasion of, 470
Toilet seat falling on penis, 121
Toluidine blue dye uptake
by clitoral laceration, 210
episiotomy scar and, 576
in fissure, 53
by fossa navicularis abrasion, 562
by fossa navicularis laceration, 397, 414, 507
  in adult, 402, 464
  in elderly adult, 714
  in middle-aged adult, 668
by healing laceration, 170
by herpes lesions, 234, 272
by labial abrasion, 109
by labial laceration, 269, 435
  in adolescent, 215, 259
  in adult, 360, 485, 519
  in elderly adult, 721
  in infant, 6
  in preadolescent, 188
  in young child, 93
by laceration
  in adult, 468
  in preadolescent, 185
by lip laceration, 531
in male toddler, 33
of mons pubis laceration, 694
by mucous membrane, 311
by multiple lacerations, 428
by oozing lesion, 14, 48, 246, 287, 314
by perianal erythema, 690
by perianal laceration, 374
  in adult, 541, 548
  in young child, 91
by perineal laceration
  in adolescent, 286
  in adult, 361, 415, 466, 599
by periurethral abrasion, 311
as pitfall of examination, 604
by posterior fourchette abrasion, 490, 491, 576
by posterior fourchette laceration, 499, 560, 653
  in adolescent, 205, 208, 214, 226, 241, 246, 255, 272, 274, 280, 317
  in adult, 365, 400, 411, 500, 505, 559, 596
  in elderly adult, 706, 724
  in middle-aged adult, 661, 662, 663, 664, 676
  in toddler, 14
in preadolescent, 174
residual, 237
technique for, 596-599
  in young child, 76, 93
Tongue
  bite mark on, 370
  coated, 685
  healing laceration of, 484
  pierced, 568, 569
Tooth
  broken, 450
  milk bottle caries of, 136
  traumatic extraction of, 136
Torn clothing, 378, 383, 384
  belt, 379, 385
  blouse, 385
  bra, 380
  shirt, 384, 439, 687
  sweater, 521
  underwear, 379, 381, 385
Torn nail, 364
Touching. See also Fondling
  of adolescent, 325
  of preadolescent, 156, 167, 170, 197
  of toddler, 7, 12, 16, 18-21, 23, 24, 26, 28
developmentally delayed, 11
  of young child, 75, 80, 83, 84, 88, 110, 122
Toy, genitals rubbed with, 106
Trace evidence, 377, 537, 538
background for, 603
Transsection
  of hymen, 227
    in adolescent, 205, 206, 219, 220, 224,
    225, 231, 233, 243, 253, 271, 331, 334
    in adult, 625, 631, 632
    in deceased victim, 392, 393
    in pregnant adolescent, 250
    in young child, 100, 121
  of labium minus, 572
Translucent hymen in preadolescent, 162, 168, 169
Translucent hymenal rim, 147, 149
Transparent hymen, 262
Transvestite, 442
Traumatic extraction of tooth, 136

U
Umbilicus, pierced, 569
Uncircumcised penis, 283, 530, 531, 536
Underdeveloped labia minora, 610
Underwear
  blood on
    of adolescent, 201
    of adult, 374, 377, 381
dried, 494
  of middle-aged adult, 656
streptococcal infection and, 129
  of toddler, 13, 17, 20, 27, 35
  of young child, 113, 133
on sideways and inside out, 539
stain on, 375, 385
of suspect, 529
straw in, 382
torn, 379, 381, 385
vegetative debris on, 467
white stain on, 376
Wood’s lamp examination of, 551
Uninterrupted hymen
in adolescent, 208, 232, 260, 261, 263, 280, 304, 340, 344
in adult, 405, 615, 621
in preadolescent, 172, 193
pregnant, 247
in young child, 105, 141, 146, 147, 148
Urethra
abrasion of, 274
condyloma acuminata and, 331, 585
erythema of
in preadolescent, 176
in young child, 89
healing laceration of, 591
patulous
in adult, 633
in infant, 2
in preadolescent, 164
in toddler, 65
in young child, 88, 133, 149, 150
petechiae of, 686
in toddler, 28, 65
weeping abrasion superior to, 693
Urethral prolapse
in elderly adult, 716
in toddler, 52
in young child, 135
Urination
blood on, 75
painful, 27
Uterine prolapse
in elderly adult, 718
in middle-aged adult, 657, 689
Uvula, petechiae of, 478
V
Vagina
condom in, 252
double, 66
redness of, 8, 37
Vaginal band, 573
Vaginal bleeding
in toddler, 20
in young child, 121
Vaginal cuff
in middle-aged adult, 683
posthysterectomy, 573
Vaginal delivery, 627-633
Vaginal discharge. See Discharge
Vaginal infection. See Infection
Vaginal laceration, 71
Vaginal orifice
in adult, 572
don condom in, 251
double
in adolescent, 342
in adult, 573
in toddler, 66
green mucus in, 47
in preadolescent, 193
two, 342
Vaginal prolapse, 714
Vaginal ridge, 329
Vaginal rugae
in adolescent, 312, 349
in adult, 634-635
in elderly adult, 714
in middle-aged adult, 661, 681
Vaginal septum, 573
Vaginal tag, in disabled toddler, 34
Vaginal wall
in adolescent, 203, 213
in adult, 631, 634-635
in elderly adult, 714
erythema of, 684, 711
in middle-aged adult, 647, 684
nodules on, 653
normal, 430
petechiae on, 383
in preadolescent, 193
in toddler, 57, 65
in young child, 88, 149
Vascular cervix, 301, 350
Vascular hymen
in toddler, 37
in young child, 88, 149
Vascular hymenal base, 150
Vascular pattern
on cervix, 332
on glossopalatal arch, 451
in gums of young child, 92
hymenal
normal, 17, 18
in preadolescent, 162
in toddler, 21, 23, 24, 63
vivid, 22
in young child, 81, 83, 84, 95, 111, 140, 141, 146
labial
in toddler, 17
in young child, 80
Vascularity
of hymen, anesthesia affecting, 133
of lip, 290
  in preadolescent, 163, 169
  scleral, 502, 643
Vegetable foreign body, 41
Vegetative debris, 442, 467
Vein, blue, 345
Venous congestion, 431, 454
  in adolescent, 265
  in adult, 640
  in middle-aged adult, 655
  in preadolescent, 180, 184, 188
  in young child, 90
Venous plexus, blood in, 88
Venous pooling, 406, 408
Venous ring, perianal, 198
Verge, anal
  in adolescent, 354
  in adult, 640
  in deceased victim, 391
  erythema at, 399
  erythema of, 266
  laceration of, 306
  in preadolescent, 198
Verruca vulgaris, 128
Vertical groove, 609
Vertical ridge, 611
Vesicle, hemorrhagic, 307
Vestibule
  erythema of
    in infant, 4
    in toddler, 50, 51
  homogeneous, 19
  normal, 611-617
  papillations of, 613
  in toddler, erythema of, 11
  white tissue or mucus in, 40
Violence
  domestic, 415-425
  homicide, 366, 389-393, 602
Viral infection
  condyloma acuminata. See Condyloma acuminata
  herpes simplex. See Herpes simplex virus
  HIV infection, 583
  verruca vulgaris, 127
Vulva
  dystrophy of, 694
  erythema of, 403
Vulvectomy, 572, 692
W
Wall, vaginal
  in adolescent, 203, 213
  in adult, 631, 634-635
  in elderly adult, 725
  erythema of, 684, 711
  in middle-aged adult, 647
  nodules on, 653
  normal, 430
  petechiae on, 383
  in preadolescent, 193
  in toddler, 57, 65
  in young child, 77, 140
Wart, genital. See Condyloma acuminata
Wart-like lesion, 650
Wasting
  in anorexia, 514
  in HIV infection, 461
  in multiple sclerosis, 414
Watch, 387
Weeping abrasion, 693
Wet crotch of trousers, 533
Wheelchair, 411
Whip mark, 458, 459
White coating on posterior fourchette, 694
White discharge
  in adolescent, 203, 238, 309, 316, 332, 333, 350
  in adult, 359, 434
  in elderly adult, 720
  in infant, 46
  in middle-aged adult, 654, 662, 678, 682
  perineal, 665
  in preadolescent, 157
  in young child, 130
White discoloration, 454
White mucus on cervix, 588
White stain on underwear, 376
White tissue or mucus, 40
Wing, hymenal, 29
Wood’s lamp examination
  in deceased victim, 390
  nonreactive, 437, 549
  of suspects underwear, 551
  of white stain, 376
Wound, gunshot, 565
Wrist injury
  ecchymosis, 543
  erythema and, 506
  in preadolescent, 213
  self-inflicted, 486
  slash marks, 564
  tape marks causing, 506
Y
Yeast infection, 589
Yellow discharge
  in adolescent, 202
  in elderly adult, 716
  in preadolescent, 175
Young child
  acute findings in
cunnilingus, 77-78
digital penetration, 72-76
penile penetration, 71
nonassault variants in
accident, 117-121
anal findings, 137
annular hymen, 140-144
anus, 152-153
crescentic hymen, 145-150
failure to fuse, 135
friable fourchette, 132-134
infection, 125-131
labial adhesion, 122-124
oral findings, 136
septate hymen, 151
skin findings, 138-139
urethral prolapse, 135
normal or nonspecific findings in
anus, 198
crescentic hymen, 194
digital penetration, 80-88
failure to fuse, 197
penile penetration, 79
redundant hymen, 196-197
sleeve-like hymen, 195
varied examiner technique, 191-192
special cases in
adolescent perpetrator, 104-114
healing, 115-116
incest victim, 99-103
males, 89-94
revictimization, 95-98