

# Contents

---

<b>1. The Female Pediatric Patient: Normal Genitalia and Examining Techniques.....</b>	<b>1</b>
<i>Marites Miguel-Butaran</i>	
▶ Examination of the Pediatric Patient	1
▶ Instruments and Supplies for the Prepubertal Examination	1
▶ Different Techniques of Positioning	2
▶ Different Techniques of Visualizing the Vestibule	3
▶ Obtaining Samples	4
▶ Recto-Abdominal Examination	4
▶ Normal External Genitalia of a Child	5
▶ Different Hymenal Configurations	6
<b>2. Sonography in Pediatric Gynecology .....</b>	<b>8</b>
<i>Corazon Yabes-Almirante</i>	
▶ Ultrasound Examination of Children with Gynecologic Problems	8
▶ Anatomical Difference between Adult and Child	9
▶ Measurement of Uterus and Ovaries	9
▶ Case Review	11
▶ Transperineal Sonography	12
▶ Ovarian New Growth	14
▶ Malignant Tumors	17
▶ Infection and Other Conditions	21
▶ Congenital Anomalies of the Genital Tract	22
▶ Ultrasound of Breast in Children	26
▶ Common Breast Diseases and Conditions in Young Females	29
▶ Central Precocious Puberty	31
<b>3. Abnormalities in Development.....</b>	<b>32</b>
<i>Franklin P Atencio</i>	
▶ Embryology of the Female Reproductive System	32
▶ Ovaries	32
▶ Development of Uterus	33
▶ Formation of Vaginal Canal	33
▶ Müllerian Anomalies	34
▶ Mayer-Rokitansky-Kuster-Hauser Syndrome	35
▶ Creation of Neovagina by Labial Flap Vaginoplasty	37
▶ Vaginoplasty: Different Techniques and Approaches	37
▶ Obstructive Anomalies	40
▶ Transverse Vaginal Septum	41
▶ Double Uterus with Vaginal Septum and Obstructed Hemivagina	43
▶ Goals of Therapy in Young Women with the Müllerian Anomalies	47
▶ Urorectal Malformation Anomaly	47
<b>4. Abnormalities in Sexual Differentiation .....</b>	<b>50</b>
<i>Eva Maria Cutiongco-Dela Paz</i>	
▶ Normal Development of the Genital System	50

▶ Congenital Adrenal Hyperplasia	52
▶ Androgen Insensitivity Syndrome	53
▶ Mixed Gonadal Dysgenesis	53
▶ Urorectal Malformation Sequence	53
▶ Turner Syndrome	54
▶ Klinefelter Syndrome	54
<b>5. Vulvovaginal Disorders .....</b>	<b>55</b>
<i>Ma Socorro C Bernardino, Annebelle Dimatulac-Aherrera</i>	
<b>Vulvovaginal Infections in Children</b>	<b>55</b>
▶ Vulvovaginitis	55
▶ Causes of Vulvovaginitis	57
▶ Specific Vulvovaginitis	57
▶ Diagnosis of Vulvovaginitis	60
▶ Treatment of Vulvovaginitis	61
<b>Dermatologic Problems and Other Disorders of the Vulva</b>	<b>62</b>
▶ Labial Fusion or Labial Adhesion	62
▶ Contact Dermatitis	63
▶ Vulval hemangioma	64
▶ Granuloma Gluteale Infantum	64
▶ Genital Ulcers	65
▶ Aphthous Lesion in Behcet's Disease	65
▶ Lichen Sclerosus	67
<b>6. Normal and Precocious Puberty.....</b>	<b>68</b>
<i>Blanca C de Guia</i>	
▶ Precocious Puberty	68
<b>7. Delayed Puberty.....</b>	<b>77</b>
<i>Lorna F Ramos-Abad</i>	
▶ Causes of Delayed Puberty	77
▶ Sample Case 1	78
▶ Sample Case 2	78
▶ Evaluation of Delayed Puberty	78
<b>8. Hyperandrogenism in the Adolescent.....</b>	<b>81</b>
<i>Lorna F Ramos-Abad</i>	
▶ Evaluation of Hyperandrogenism	81
<b>9. Polycystic Ovary Syndrome in Adolescents .....</b>	<b>83</b>
<i>Angela Sison-Aguilar</i>	
▶ Diagnosis	83
▶ Clinical Presentation and Natural Course	83
▶ Long-term Implications	83
▶ Management	84
<b>10. Menstrual Dysfunction in Adolescents.....</b>	<b>86</b>
<i>Corazon Yabes-Almirante</i>	
▶ Menarche	87
▶ Disorders of the Menstrual Cycle	87
▶ Amenorrhea	88
▶ Dysfunctional Uterine Bleeding or Anovulatory Uterine Bleeding	88

<b>11. Urologic Causes of Pelvic Pain in Young and Adolescent Girls.....</b>	<b>91</b>
<i>David T Bolong</i>	
► Urinary Tract Infections	91
► Congenital Anomalies	92
► Stones and Urinary Obstruction	95
► Interstitial Cystitis/Urethral Syndromes/Irritable Bladder Syndromes	95
<b>12. Gynecologic and Other Causes of Pelvic Pain.....</b>	<b>97</b>
<i>Dianalyn G Sazon-Carlos</i>	
► Gynecologic Causes of Pelvic Pain	97
► Nongynecologic Causes of Pelvic Pain	99
<b>13. Gynecologic Tumors in Pediatric Patients .....</b>	<b>101</b>
<i>Franklin P Atencio, Julie Christine F Dimaano-De Torres</i>	
► Ovarian Masses	101
► Physiologic Cysts in Childhood	101
► Pathologic Ovarian Cysts	103
► Germ Cell Ovarian Tumors	104
► Immature Ovarian Teratomas	106
► Granulosa Cell Tumor	107
► Ovarian Masses in Children: 11-year Review, 1995-2006	108
► Vulvovaginal Tumors in Children and Adolescents	110
► Labial Hemangioma	111
► Genital Prolapsed	111
► Squamous Papilloma of the Vulva	112
► Endodermal Sinus Tumor of the Vagina	113
► Nongynecologic Tumors Presenting as Vulvar Mass	113
► Prolapsed Extravesical Ureterocele	114
<b>14. Adolescent Sexuality and Teenage Pregnancy.....</b>	<b>116</b>
<i>Alicia Berbano-Tamesis, Rosa Maria Hipolito-Nancho</i>	
<b>Adolescent Sexuality 116</b>	
► Filipino Adolescent Sexuality	116
► Adolescent Concern and Needs	119
► Risk Behavior and Sexual Health	119
<b>Many Facets of Adolescent Sexuality 120</b>	
► The Challenge	120
► Biophysical Perspective	120
► Physiological or Anatomical Facts that Affect Adolescent Sexuality	120
<b>Teenage Pregnancy 122</b>	
► The Comprehensive Teen Pregnancy Prevention Program	122
<b>15. Immunization for Adolescents .....</b>	<b>124</b>
<i>Rosa Maria Hipolito-Nancho</i>	
<b>16. Sexual Abuse of Children and Adolescents .....</b>	<b>126</b>
<i>Bernadette Madrid, Merle P Tan</i>	
► Presentation	126
► Making the Diagnosis	126
► Types of Examination	126
► Child Maltreatment Medico-Legal Terminology and Interpretation of Medical findings in Child	126
► Clear Evidence	127

▶ Suggestive Abuse	127
▶ Nonspecific Findings	128
▶ Normal Variant	128
▶ No Evident Injury	128
<b>17. Genital Trauma in the Pediatric and Adolescent Female.....</b>	<b>130</b>
<i>Marietta S Sapaula</i>	
▶ Causes of Genital Trauma	130
▶ History and Physical Examination	134
▶ Management	135
<b>18. Endoscopy in Pediatric and Adolescent Gynecology .....</b>	<b>138</b>
<i>Blanca C de Guia, Maria Therese Beriña-Mallen</i>	
▶ Laparoscopy	138
▶ Sample Cases	143
▶ Vaginoscopy	145
▶ Local Statistics	146
<b>19. Pediatric and Adolescent Gynecology as a Subspecialty in the Philippines .....</b>	<b>150</b>
<i>Corazon Yabes-Almirante</i>	
<b>Index.....</b>	<b>159</b>