1	Introduction to Endocrine Disruptors and Puberty	1
Par	t I EDCs, Endocrine Systems, and Puberty	
2	In Utero Exposure to Environmental Chemicals: Lessons from Maternal Cigarette Smoking and Its Effects on Gonad Development and Puberty Rebecca McKinlay, Peter O'Shaughnessey, Richard M. Sharpe, and Paul A. Fowler	11
3	Reproductive Neuroendocrine Targets of Developmental Exposure to Endocrine Disruptors	49
4	Endocrine Disruptors and Puberty Disorders from Mice to Men (and Women)	119
5	Thyroid Hormone Regulation of Mammalian Reproductive Development and the Potential Impact of Endocrine-Disrupting Chemicals Kara Renee Thoemke, Thomas William Bastian, and Grant Wesley Anderson	139

Contents iix

Part II

Par	t II Developmental Exposure to Endocrine Disruptors and Adverse Reproductive Outcomes	
6	Developmental Exposure to Endocrine Disruptors and Ovarian Function	177
7	Developmental Exposure to Environmental Endocrine Disruptors and Adverse Effects on Mammary Gland Development	201
8	Developmental Exposure to Endocrine Disruptors and Male Urogenital Tract Malformations	225
9	EDC Exposures and the Development of Reproductive and Nonreproductive Behaviors	241
Par	t III Developmental Exposure to Endocrine Disruptors and Metabolic Disorders	
10	Adipocytes as Target Cells for Endocrine Disruption	255
11	Altered Glucose Homeostasis Resulting from Developmental Exposures to Endocrine Disruptors	273
12	Developmental Exposure to Endocrine Disrupting Chemicals: Is There a Connection with Birth and Childhood Weights? Elizabeth E. Hatch, Jessica W. Nelson, Rebecca Troisi, and Linda Titus	283
Par	t IV EDCs and Human Health	
13	The Impact of Endocrine Disruptors on Female Pubertal Timing	325

Jon	tents	XIII	
14	The Influence of Endocrine Disruptors		
	on Male Pubertal Timing	339	

	on Male Pubertal Timing	(
	Xiufeng Wu, Ningning Zhang, and Mary M. Lee	
15	Secular Trends in Pubertal Timing: A Role	
	for Environmental Chemical Exposure?	_
	Vincent F. Garry and Peter Truran	

15	Secular Trends in Pubertal Timing: A Role	
	for Environmental Chemical Exposure?	357
	Vincent F. Garry and Peter Truran	
		0.70
Ind	ex	373