Contents

	Preface	
	Acknowledgements	
	Contents	ix
Chanto	er 1: Public Health Implications of Changes in Cigarette De	ciar
	I Marketing	
	Introduction	
	How Did It Happen?	
	Compensation in Smokers	
	Elasticity of Demand in the Cigarette	
	Marketing of Low-Yield Cigarettes	
	Disease Risks	
	Conclusions	
	References	10
Chanto	er 2: Cigarette Design	112
Спарис	Cigarette-Yield Testing by Smoking Machine Using	.10
	the FTC Protocol	13
	Changes in FTC Machine-Smoked Yields Over Time	13
	Design Changes That Reduce Standard Yields	
	Compensation and Cigarette Design: Difference in	
	Yield with Different Smoking Patterns	18
	More Evidence from Industry Documents Related to Compensati	
	Cigarette Design, and the FTC Testing Method	
	Summary	
	Conclusions	
	References	
		20
Chapte	er 3: Compensatory Smoking of Low-Yield Cigarettes Introduction	
	Role of Nicotine in Maintaining Tobacco Addiction	
	Biomarkers of Tobacco Smoke Exposure	
	Nicotine Absorption from Cigarette Smoking	
	Estimating the Extent of Compensation	
	Studies of Smoking Cigarettes with Different Machine-	17
	Determined Yields: Methodological Considerations	44
	Short-Term Experimental Switching Studies	45
	Long-Term Experimental Switching Studies	
	Studies of Smokers Smoking Self-Selected Brands	
	Spontaneous Brand Switching	
	Summary	
	Conclusions	
	References	

Cnapter 4	E Smoking Lower Yield Cigarettes and Disease Risks	
	Introduction	
	Historical Development of the Lower Yield Cigarette Issue	68
	Limitations of Epidemiological Studies in Examining the	
	Risks of Low-Yield Cigarette Use	
	Published Epidemiological Studies of Health Endpoints	81
	Biologic Implications of Compensation for Changes	00
	in Cigarette Design	09
	Correlation of Cigarette Brand Choice with Number of Cigarettes	11
	Smoked per Day and Duration of Smoking	11
	Temporal Trends in Lung Cancer and Other Diseases in Major	10
	Cohort Studies	19
	Smoking Behaviors	22
	Summary	
	Conclusions	
	Appendix	
	References	
	references	32
Chanter 5	5: The Changing Cigarette: Chemical Studies	
	ioassays	59
	Introduction	
	Identification of Carcinogens, Tumor Promoters, and	
	Carcinogens in Tobacco Smoke	60
	Smoking Conditions	
	Changes in Cigarette Smoke Composition with Various	
	Design Changes	66
	Observations on Cigarette Smokers	81
	Summary	82
	Conclusions	
	Appendix	
	References	85
	5: Public Understanding of Risk and Reasons for	^^
Smok	ing Low-Yield Products	
	Introduction	
	Perceptions of Light Cigarettes	
	The Relationship of Switching to Quitting	
	Summary	
	Conclusions	
	References	
	References	,
Chapter 2	7: Marketing Cigarettes with Low Machine-	
	red Yields	99
	Introduction	
	The 1950s1	
	The 1960s	
	The 1970s	07

Contents

Гhe 1980s	223
Discussion	228
Summary	23
Conclusions	233
References	233