

Table of Contents

1	Introduction	1
	<i>D. Buser, U. C. Belser, D. Wismeijer</i>	
2	Proceedings of the Third ITI Consensus Conference: Esthetics in Implant Dentistry	3
2.1	Consensus Statements and Recommended Clinical Procedures Regarding Esthetics in Implant Dentistry	5
2.1.1	Statements A: Long-Term Results	5
2.1.2	Statements B: Surgical Considerations	6
2.1.3	Statements C: Prosthodontic and Restorative Procedures	7
3	Pre-Operative Analysis and Prosthetic Treatment Planning in Esthetic Implant Dentistry	9
3.1	Diagnostic Factors for Esthetic Risk Assessment	11
	<i>W. C. Martin, D. Morton, D. Buser</i>	
3.1. 1	The Patient's Treatment Expectations	11
3.1. 2	Patient's Smoking Habits	12
3.1. 3	Height of the Lip Line on Smiling	12
3.1. 4	Gingival Biotype in the Treatment Area	13
3.1. 5	Shape of Missing and Surrounding Teeth	15
3.1. 6	Infection at the Implant Site and Bone Level at Adjacent Teeth	15
3.1. 7	Restorative Status of Teeth Adjacent to the Edentulous Space	16
3.1. 8	Character of the Edentulous Space	17
3.1. 9	Width of the Hard and Soft Tissues in the Edentulous Space	18
3.1.10	Height of the Hard and Soft Tissues in the Edentulous Space	19
3.1.11	Esthetic Risk Profile: Summary	19

3.2	Treatment Planning	21
	<i>W. C. Martin, D. Morton, D. Buser</i>	
3.3	Interim Restorations	22
	<i>W. C. Martin, D. Morton, D. Buser</i>	
3.4	Conclusions	24
	<i>W. C. Martin, D. Morton, D. Buser</i>	
4	Achieving Optimal Esthetic Results	25
4.1	Surgical Considerations with Regard to Single-Tooth Replacements in the Esthetic Zone: Standard Procedure in Sites without Bone Deficiencies	26
	<i>D. Buser, W.C. Martin, U. C. Belser</i>	
4.1.1	Mesiodistal Dimension	30
4.1.2	Orofacial Dimension	31
4.1.3	Coronoapical Dimension	32
4.2	Prosthetic Management of Implants in the Esthetic Zone: General Principles and Scientific Documentation	38
	<i>C. Hämmerle, R. Jung</i>	
4.3	Decision Trees: Prosthetic Options	47
	<i>U. C. Belser</i>	
4.3.1	Regular Neck Implants	47
4.3.2	Narrow Neck Implants	48
4.4	Replacement of an Upper Right Central Incisor with a Regular Neck Implant, Restored with an All-Ceramic Crown, Transocclusally Screw-Retained	49
	<i>R. Jung</i>	
4.5	Replacement of an Upper Right Central Incisor with a Regular Neck Implant, Restored with (1) an All-Ceramic Crown, Transocclusally Screw-Retained, and (2) an Auro-Galvano Crown, Cemented, Seated on CAD/CAM Custom Mesostructures (ZrO ₂ and Titanium)	58
	<i>U. C. Belser</i>	
4.6	Replacement of an Upper Right Central Incisor with a Regular Neck Implant, Restored with an All-Ceramic Crown, Cemented	78
	<i>R. Jung</i>	
4.7	Replacement of an Upper Right Central Incisor with a Regular Neck Implant, Restored with an All-Ceramic Crown, Cemented	94
	<i>W. C. Martin</i>	
4.8	Replacement of an Upper Left Central Incisor with a Regular Neck Implant, Restored with a Ceramo-Metal Crown, Transocclusally Screw-Retained	112
	<i>R. Jung</i>	

4.9	Replacement of an Upper Left Central Incisor with a Regular Neck Implant, Restored with a Ceramo-Metal Crown, Transocclusally Screw-Retained	133
	<i>U. C. Belser</i>	
4.10	Replacement of an Upper Right Central Incisor with a Regular Neck Implant, Restored with a Ceramo-Metal Crown, Transocclusally Screw-Retained	148
	<i>W. C. Martin</i>	
4.11	Replacement of an Upper Left Persisting Deciduous Canine with a Regular Neck Implant, Restored with a Ceramo-Metal Crown, Horizontally Screw-Retained	159
	<i>U. C. Belser</i>	
4.12	Replacement of a Congenitally Missing Upper Left Lateral Incisor with a Narrow Neck Implant, Restored with a Ceramo-Metal Crown, Transocclusally Screw-Retained	178
	<i>B. Schmid</i>	
4.13	Replacement of Congenitally Missing Upper Lateral Incisors with Narrow Neck Implants, Restored with Ceramo-Metal Crowns, Cemented	187
	<i>W. C. Martin</i>	
4.14	Replacement of an Upper Right Lateral Incisor with a Narrow Neck Implant, Restored with a Ceramo-Metal Crown, Cemented	214
	<i>W. C. Martin</i>	
5	Esthetic Complications and Their Causes	231
5.1	Introduction	232
	<i>D. Buser, W. C. Martin</i>	
5.2	Case Reports	233
	<i>D. Buser, W. C. Martin</i>	
5.2.1	Patient No. 1	233
5.2.2	Patient No. 2	235
5.2.3	Patient No. 3	236
5.2.4	Patient No. 4	238
5.2.5	Patient No. 5	239
5.2.6	Patient No. 6	241
5.2.7	Patient No. 7	244
5.3	Conclusions	245
	<i>D. Buser, W. C. Martin</i>	
6	Synopsis	247
	<i>U. C. Belser</i>	
7	Literature/References	249