

- 2 - 18 - 2018

chapter 1 | Models, labial bows, appliance retaining elements, support elements.

Dental models.....	20
Simple labial bow.....	21
Acrylic-coated labial bow.....	22
Labial bow with vertical M-loop.....	23
Labial bow with retractive canine loop.....	24
Labial bow with canine loop.....	25
Labial bow with Andresen loop.....	26
Labial bow with intrusion hooks.....	27
Modified labial bow.....	28
Intermaxillary bow.....	31
Triangular clasp.....	32
Triangular clasp according to Zimmer.....	33
Triangular clasp according to Tränkmann.....	34
Double triangular clasp.....	35
Adams clasp according to Adams.....	36
Double Adams clasp.....	37
Adams clasp according to Tenti.....	38
Six modifications of the Adams clasp.....	41
Delta clasp according to Clark.....	43
Adams clasp with spring for headgear.....	45
Adams delta clasp.....	46
Poncini clasp.....	47
Loop clasp according to Pohl.....	48
Loop clasp over several teeth according to Pohl.....	49
Arrowhead clasp.....	50
Modified arrowhead clasp.....	51
Single arrowhead clasp.....	52
Circumferential clasp with mesial stop.....	53
Eyelet clasp according to Groth.....	54
Eyelet clasp according to Stahl.....	55
Double eyelet clasp.....	56

Universal clasp	57
Ball clasp	58
Lorenz spring	59
Occlusal rest	60
Incisal rest	61

chapter 2 | Spring elements.

Active circumferential clasp	64
Canine retracting spring	66
Modifications of the canine retracting spring	67
Helical finger spring	69
Finger spring	70
Protrusion spring	71
Free-end protrusion spring with retaining function	72
Free-end protrusion spring with mesial arm	73
Double loop spring	74
Double helical spring	75
Helical protrusion spring	76
Closed protrusion spring for incisors	77
Buccal box spring	78
Paddle spring	79
Paddle spring over several teeth	80
Intrusion hook	81
Leaf spring	82
Beam spring	83
Buccal spring	84
Buccal spring according to Schneemann	85
Pressure spring	86
T-loop spring	87
Lingual/palatal spring	88
Oral spring	89
Crossed-over mesial springs	90
Closed intermediate spring with loop	91

Chapter 3 | Shield elements, different orthodontic plates.

Individual vestibular screen.....	94
Tongue guard	95
Lip activator according to Dass.....	96
Lip bumper	97
Labial pads with an engaged labial bow.....	98
Inclined plane	99
Active plate.....	100
Labial bow plate for retraction	101
Cetlin appliance	102
Pivot plate according to Groth-Schenderlein.....	103
Upper and lower plate with compression-traction screw according to Heller.....	106
Appliance with open screw	107
Gap closing plate with diastema screw.....	108
Active plate with rotation screw	109
Plate or appliance with piston spring screw	110
Lever activating screw	111
Lingual arch appliance	112
Coffin appliance with Coffin spring in posterior region.....	113
Coffin appliance with anterior and posterior Coffin springs.....	114
Y-shaped appliance with two expansion screws.....	115
Appliance with open transverse screw.....	116
Appliance with Bertoni screw (Y-plate)	118
Plate with three-dimensional screw according to Beutelspacher.....	119
Fan-type expansion plate with different screws and applications	120
Mandibular plate with bow screw according to Müller	124
Labial spring bow plate according to Bandulet	125
Roberts retractor.....	126
Bite jumping appliance.....	127
Modifications of the protrusive bars/pins.....	128
Bite jumping plate system according to Schaneng	129
Class III double plate	132
Class III double plate with screw according to Sander	133

chapter 4 | Double plates, bimaxillary appliances.

Roberts retractor as bite jumping appliance.....	136
Double plate according to Planas	137
Berlin reactivator.....	138
Bimaxillary prognathism upper plate according to Buño	139
Bi-block appliance according to Chateau.....	140
Maxillator according to Rank.....	141
Bimler appliance type A	143
Bimler appliance type B.....	145
Bimler appliance type C	147
Twin Block appliance in connection with headgear.....	149
Twin Block according to Clark with mounting tool according to RealKFO	150
Double plate with intermaxillary elastics according to Neuner.....	153
Bimaxillary appliance according to Sevinc.....	154
Buccal double plate according to Bierschenk	156
Rilinator	157
Rilinator with Jasper Jumper.....	158
Bass appliance	159
Hansa plate according to Hasund.....	161
Selective orthopedic double plate according to Marillo.....	164
Double plate with distal spring loops according to Schwarz.....	165
LS-Duobloc according to Leger/Soerensen.....	166
Areas of application for the LS-Duobloc screws.....	168
Modified rapid maxillary expansion appliance (RME) with (GMB) expansion screws.....	262
Divided activator with screw-retained mask (DAM) according to Wundtner.....	269
Delta face mask.....	270
Program activator according to Wundtner.....	271
Willis activator according to Willis.....	272
U-low activator according to U-low.....	273
Teacher activator.....	274
Further modified rapid maxillary expansion appliances (RME).....	275
Six modifications of the teacher activator.....	276
Harold-Woodside lateral (HPE).....	277
Harold-Woodside activator for class II-1.....	278
Modified HPE appliance.....	279
Harold-Woodside activator for class III.....	280
Quad-Helix appliance.....	281
Bionator according to Balters.....	282
Modified Quad-Helix with prosthetic restoration.....	283
Kyprektor.....	284
Modifications of the Quad-Helix or Bi-Helix appliances.....	285

Chapter 5 | Bimaxillary appliances, activators, bionators, function regulator appliances.

Activator.....	172
Herren activator.....	173
Propulsor according to Mühlemann/Hotz.....	174
Headgear activator according to van Beek.....	175
Activator according to Pfeiffer and Grobety.....	176
Functionator according to Eschler.....	178
Multi-functionator according to G. Ph. Heller. Basic appliance for class II.....	179
Activator with spring bow according to Schwarz.....	182
Open bite activator with tongue crib.....	183
SKEL activator according to Ruhland type II-1.....	184
SKEL activator according to Ruhland type II-2.....	185
SKEL activator according to Ruhland type III-a.....	186
SKEL activator according to Ruhland type III-b.....	187
SKEL activator according to Ruhland type III-c.....	188
Elastic open activator according to Klammt (EOA).....	189
Rigid open activator (ROA).....	190
Modifications of the EOA and the ROA.....	191
Activator according to Ergenzinger with high labial bow.....	192
Activator according to Scheer.....	194
Activator according to Antonie.....	195
Spring activator according to Sander.....	197
Kinetor according to Stockfisch.....	199
Divided activator with screw for the maxilla.....	202
Prognathism activator according to Wunderer with screw according to Weise.....	204
U-bow activator according to Karwetzky.....	206
Teuscher activator.....	208
Six modifications of the Teuscher activator.....	209
Harvold-Woodside activator for class II-1.....	211
Harvold-Woodside activator for class III.....	213
Bionator according to Balters.....	215
Kybernator.....	219

chapter 6 | Wire appliances, rapid maxillary expansion (RME) appliances.

Bite restrainer according to van Thiel.....	220
Function regulator according to Fränkel (FR 1 to FR 3).....	221
Crozat appliance.....	230
Wire appliance according to Meyer: bite ramp appliance, shield appliance and multi-band appliance.....	238
Frozat appliance according to Mayes.....	240
Manufacture of lingual arch according to Kinzinger.....	241
Lizat appliance (Lip bumper and Frozat) according to Kinzinger.....	243
Lingual arch according to Mershon.....	244
Herbst bite jumping hinge.....	245
Herbst appliance with soldered bands.....	246
Removable Herbst appliance.....	249
Functional Mandibular Advancer (FMA) according to Kinzinger.....	250
Tongue guard for mesial movement of molars in the mandible according to Reck.....	252
Appliances with spikes.....	254
Rapid maxillary expansion appliance (RME appliance) with hyrax®/palex® screw.....	255
Rapid maxillary expansion appliance (RME) according to McNamara.....	256
Rapid maxillary expansion appliance (RME) with interchangeable hyrax®/palex® screw.....	257
Rapid maxillary expansion appliance (RME) with Nardella screw.....	259
Rapid maxillary expansion appliance (RME) with hooks for the Delaire face mask.....	260
Rapid maxillary expansion appliance (RME) according to Haas.....	261
Modified rapid maxillary expansion appliance (RME) with fan-type expansion screw.....	262
Further modified rapid maxillary expansion appliances (RME).....	264
Hilgers Palatal Expander (HPE).....	269
Modified HPE appliance.....	270
Quad-Helix appliance.....	271
Modified Quad-Helix with prosthetic restoration.....	272
Modifications of the Quad-Helix or Bi-Helix appliances.....	273

chapter 7 | Nance and pendulum appliances, space maintainers, cleft and stimulation plates.

Soldered Nance appliance	276
Modified Nance appliances	277
Removable modified Nance appliance	278
Manufacture of the pendulum spring	279
Standard pendulum appliance with horizontal U-loops according to Hilgers	282
Pendex/Pend-X: The pendulum appliance with transverse screw according to Hilgers	283
RME-pendulum appliance according to Snodgrass	284
M-pendulum according to Scuzzo	285
Pendulum appliance according to Byloff	286
F-pendulum according to Favero	287
Penguin pendulum according to Mayes	288
K pendulum type DS (Distal Screw) according to Kinzinger	289
K pendulum type TDS (transverse distal screw) according to Kinzinger	290
Bi-pendulum according to Kinzinger	291
Quad pendulum according to Kinzinger	292
Aachener Implant Pendulum (AIP) according to Kinzinger	293
Skeletal K pendulum according to Ludwig/Kinzinger	295
Further modifications of the pendulum	298
Frog appliance according to Walde	300
Frog II appliance	302
Distal jet according to Carano and Testa	305
Skeletonized distal jet appliance with supporting mini-screw anchorage according to Kinzinger	307
BENEslider according to Wilmes	311
Space maintainer with teeth	313
Gap or space maintainer	315
Cleft plate	316
Stimulation plate according to Castillo Morales	318
NAM plate (nasalveolar molding)	319

chapter 8 | Retention appliances, splints, snoring appliance.

Retention plate	326
Splint-type retainer	327
Essix retainer	328
OSAMU-Retainer®	329
Van der Linden retainer	330
Begg retainer	331
Hawley retainer	332
Retention plate with engaged labial bow	333
Retention plate with inter-dental spurs	334
Spring retainer	335
Retention splint according to Damon	337
Positioner	338
Sports mouthguard	341
Sports mouthguard in connection with a multi-band appliance	344
Bonded retainer according to Wiechmann	349
Occlusal splint	352
Gelb splint	353
Reduced splint	354
Distraction splint	355
CA® Clear Aligner splint with VECTOR® screw	356
Vacuum-formed splint for correction of misalignments	359
Cemented bite ramps	363
Fixed bite ramps	364
IST appliance according to Hinz	365
Functional Mandibular Advancer (FMA) as anti-snoring appliance according to Kinzinger	366
Surgical splint	368

Annex | QR code overview, alphabetical index, bibliography, imprint.

QR code overview	374
Alphabetical index	378
Bibliography	392
Imprint	397