Osteology Research Guidelines Book

1. General aspects of clinical research

1. Hierarchy of evidence - Ian Needleman
2. Regulatory and quality aspects in clinical research - Gudrun Denke
3. Ethical aspects in clinical research - Klaus Peter Rippe
4. Development of a research protocol - Mauricio Tonetti
5. Management of a clinical study - Jeanie Suvan
6. Publication of a clinical study (Consort Statement) - William Giannobile

2. Tools for preparation, conduction and analysis of a clinical study

7. Endpoints - Fabio Vignoletti / Mariano Sanz
8. Patient-centered outcomes - Colman McGrath
9. Standardization and calibration - Mary-Ann Cugini / Hatice Hasturk
10. Statistical analysis - Jürg Husler
11. Analytical methods
   a) Histology and Immunohistochemistry - Dieter Bosshard
   b) Molecular Biology - Alpdogan Kantarci
   c) Imaging - Erica Benveni
d) Non-invasive measures for osseointegration - Klaus Lang
e) Volumetric measurements for clinical research - Goran Benic
f) Colour and aesthetic measurements - David Schneider

3. Specific clinical research protocols for indications in dental regeneration

12.1 Periodontal regeneration - Sandro Cortellini
12.2 Ridge Preservation - Darnell Kaigler
12.3 Horizontal ridge augmentation - Nikos Donos / Nikos Mardas
12.4 Vertical ridge augmentation – Isabella Rocchietta / D. Nisand / Massimo Simion
12.5 Sinus augmentation – Gustavo Awilla
12.6 Osseointegration of implants – Giovanni Salvi
12.7 Treatment of peri-implantitis – Lisa Heitz-Mayfield
12.8 Regeneration of keratinized gingiva – Anton Sculean
12.9 Recession coverage – Michael McGuire
12.10 Soft tissue augmentation – Daniel Thoma