To my wife Christine for her unending love, support and encouragement throughout the writing of this book.
Soo-Young Oh

Autologous Bone Plugs Fusion

Treatment for Lumbar Instability

• 3E Criteria
• Technical Operative Notes
• The Functioning of the Oh’s Screw

107 figures, 4 tables, 2009
Contents

VI  Preface
1  Introduction
2  The 3E Triad Complies with the Swiss Health Authorities Quality Standards
12  Steps Towards Recognition
16  Anatomical Aspects of Lumbar Fusion
22  Clinical Consideration of Instability
35  Indication for Fusion Operation
37  Contraindication for Operation
40  History of Oh’s Temporary Marking Screw Development
48  Aspects of Autologous Bone Plugs
54  Operative Technical Procedure
69  Routine Postoperative Checks (Plug and Screw)
71  Unexpected Effects
75  Discussion
77  History of Transplantation Surgery
79  Presentations and Publications
86  Individual Remarks
94  Conclusion
95  Acknowledgements
97  Selected Reading
98  Subject Index
An autologous transplantation fusion method with living tissue bone plugs has been performed optimally with no side reactions.

Minimally invasive operative procedures were performed for the treatment of lumbar column instability using substitution with original materials from the individual patient, as opposed to methods involving fixtures using materials formed from foreign substances.

Concerns of the triad ‘E’ criteria – economy, efficiency and expediency – are considered. Interdisciplinary collaboration provides great advantages for the patients and health care worldwide.

For patients who have allergic reactions to foreign substances, it is an ideal treatment as only autologous material is used.

The unilateral oblique posterior intervertebral body fusion (UOPIF) method, a technical fusion procedure, was developed by the author over the space of more than 15 years. In the meantime, this method, ‘Oh’s method’, is being advised by insurance companies and particularly by actively lobbying patient members acknowledged by the Swiss Health Ministry and the insurance companies (health care must cover the costs).

The united ossified plug is a living, small and effective element which maintains its properties within the body indefinitely.