

Transplantation in Reconstructive Surgery.

Comment.

The work presented is an edited monograph: "Transplantation in reconstructive surgery" (*Grada Publishing, a.s., 2017, ISBN 978-80-247-5546-5*) which describes in detail the problems and solutions to the currently evolving field of reconstructive transplantations. The monograph was written by a wide collective of authors, among them are world-recognized specialists such as Bohdan Pomahač, Marco Lanzetta, Pierre Delaere, Stefano Lucchina, Jiří Froněk, Martin Oliverius and others. A total of 25 authors from 7 countries collaborated in this work.

The editing author MUDr. Martin Molitor, Ph.D. initiated the project and was the sole author of 14 chapters:

1. Terminology and Classification of Transplantations in Reconstructive Surgery
2. Classification and Specificity of Rejection of Vascularised Composite Allotransplants
3. Psychological and Social Aspects of Reconstructive Transplantations
4. Vascularized Composite Allotransplants – Future Direction
5. Tongue Transplantation
6. Laryngeal Transplantation
7. Transplantation in the Scalp Region
8. Neck Transplantation
9. Bone and Joint Transplantation
10. Lower Limb Transplantation
11. Penis Transplantation
12. Tendons Transplantation
13. Anorectal Transplantation
14. Complex Rare Vascularized Composite Transplantation

As a co-author he wrote a further 7 chapters, the extent of author collaboration is stated as a percentage:

1. The Forensic Aspects of Vascularized Composite Allografts and Registers – 20%

2. Transplantation in children – 20%
3. Experimental Vascularized Composite Allotransplantation – 20%
4. Tracheal Transplantation – 60%
5. Abdominal Wall Transplantation – 50%
6. Uterus Transplantation – 50%
7. Nerve Transplantation – 80%

The book is the first complex monograph written about the topic in Eastern Europe and its comprehensiveness also makes it unique in the world. As far as we are aware, there are only 3 other monographs of reconstructive transplantation ever published in the world, ours being the most current.

Dr. Molitor has been an active researcher and still cooperates with other researchers in the field of vascularised composite allotransplants. His experimental work focused on the techniques and protocols of hind limb transplantation in rats, immunosuppressive regimes in hand transplantation and the role of a sentinel skin flap or graft as an early visual marker for composite tissue transplant rejection. He has published 15 papers as the principal or co-author to date in these topics including a chapter in the first monograph about Composite Tissue Transplantation published in 2007 namely, “The Hand Transplantation”, edited by Prof. Lanzetta (Italy) and Prof. Dubernard (France).

Dr. Molitor was also one of the leaders of the team planning the first hand transplantation in Czech Republic in Brno in 2004-2005, but it was subsequently not performed.

Prague, 31st January 2019



MUDr. Martin Molitor, Ph.D.