

活体器官移植学


Living Donor Organ Transplantation

主 编 Rainer W.G. Gruessner

Enrico Benedetti

主 译 李 波

副主译 卢一平 魏永刚

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中文版序

由于人体器官移植需求的增加和供器官的严重不足,活体器官移植在全球日益广泛开展。国内活体器官移植虽然起步晚于国外,但近年发展迅速,尤其是活体肾移植和肝移植开展较多,国内一些中心,其活体肾移植数量已远超过尸体肾移植。活体器官移植相对尸体器官移植,具有更多的技术及非技术的特殊性和复杂性。国外的一些先进器官移植中心,完成了数量众多的多种活体器官移植病例,积累了许多先进经验,值得我们学习和借鉴。

《活体器官移植学》(“Living Donor Organ Transplantation”)是一本权威性学术专著,由美国 Rainer W. G. Gruessner 教授主编,并组织了国际上从事活体器官移植的多国知名专家教授联合撰写。该书展示了活体器官移植的全方位知识,并分别具体论述了多种活体器官移植。内容全面深入,兼顾临床和基础研究、实用技术及相关研究进展。目前国内还缺乏这类全面论述活体器官移植的专著。相信这本专著不仅对我们已开展的活体肝、肾移植有帮助,更是对国内还基本没有开展的活体胰腺移植和活体小肠移植等提供重要帮助与参考。

这本专著的主译者,李波教授是四川大学华西医院肝脏移植中心负责人之一,具有多年、大量从事活体及尸体肝移植临床工作及研究工作经验。华西医院也是中国内地活体肝脏移植开创单位之一,并完成了数量众多的活体肝移植病例。本书翻译者都是活跃在相关临床与研究工作的第一线专家和研究者。在李波教授的精心组织下,在全体翻译者的共同努力下,高质量地完成了此书的翻译,在此对他们的辛勤劳动表示感谢和敬意。希望并相信这本书会对国内从事器官移植的临床医师及相关研究人员的专业工作带来有价值的参考和帮助。

祝愿我国活体器官移植健康发展,创造辉煌!

严律南

2012年8月于成都

中文版前言

器官移植经过漫长艰辛的发展,在 20 世纪成为了最伟大的医学成就。器官移植现已被公认为治疗多种终末期器官衰竭的最为有效地手段。但是,随着移植需求的增加,供器官的短缺已成为世界性难题。

为解决供器官的匮乏,活体器官移植诞生,并逐渐发展、成熟,由最初的活体肾移植,随后发展到活体肝移植、活体胰腺移植、活体小肠移植,现在多种活体器官移植已在世界范围内广泛开展。活体器官移植不仅缓解了供器官严重不足的困难,而且让许多亟待移植的危重患者及时得到供器官,接受移植,获得救治。相比尸体器官移植而言,活体器官移植因涉及不同的社会伦理学问题、健康供体的风险及处理、更为复杂的外科技术等,具有其较大的特殊性,移植医师也面临更大的挑战。

由于我国的实际情况,尸体供器官获取更是越来越困难。近 10 余年国内活体肝脏及肾脏移植得到迅速发展。随着国内活体器官移植的更为广泛开展,学习和借鉴国外先进经验十分必要,为此我们向国内介绍并翻译这本“Liver Donor Organ Transplantation”(《活体器官移植学》)专著。该书主译者所在的四川大学华西医院肝脏移植中心,虽然率先在中国内地开展了成人间的活体右半肝移植,并已完成各类活体肝移植近 300 例,积累了一定的工作经验,但感到还有许多不足,尚需不断学习,不断改进。翻译此书也是一个颇感收获的学习和长进的过程。

这一部由美国亚利桑那大学 Rainer W. G. Gruessner 教授主编的“Liver Donor Organ Transplantation”(《活体器官移植学》)专著,邀请了全美国,以及英国、德国、比利时、荷兰、加拿大、瑞典、中国香港、日本、韩国等十几个国家和地区从事活体器官移植临床及研究的顶级专家参与完成全书编写。此书对活体器官移植涉及内容做了较为全面的论述,特别是重点介绍了活体肾脏、肝脏、胰腺及小肠移植供、受体围手术期综合处理和手术技术以及组织管理等。同时还介绍了活体器官移植的概况及未来发展。我们在翻译这本书时考虑到我国的实际情况并征求相关意见,最终将本已翻译完成的书中涉及活体器官捐献的文化差异、经济补偿以及活体器官移植的伦理及法律等相关章节做了删除。

目前国内关于活体器官移植的中文专著,主要有四川大学华西医院严律南教授主编的《活体肝移植》(2007 年,人民卫生出版社出版)及香港大学范尚达教授主编的《活体肝脏移植》(2008 年,大公报出版有限公司),解放军 309 医院石炳毅教授主编的《现代活体肾移植》(2008 年,人民卫生出版社)等,尚无活体胰腺及小肠移植的专著。该书是一部全面论述活体器官移植的专著。内容广泛、深入、新颖。既涉及临床实用技术,又有最新研究进展。希望并相信本书会对国内从事活体器官移植的临床医师及相关研究人员的工作带来有价值的参考和帮助。

此书内容涉及广泛,参与翻译人员较多,涉及多个专业,认识难能一致。主译者个人水平也有限,所以术中不足和错误在所难免,敬请谅解,并恳望批评指正。

致谢:感谢这本书的所有英文原著作者。感谢这本书所有的翻译者。感谢安斯泰来制药(中国)有限公司在本书翻译过程中予以的无私帮助。

李波

2012 年 8 月于成都

原著前言

传统医学概念中,医师仅为病患施行手术,而健康志愿者为挽救他人生命将自己置于手术风险之下的行为,赋予了活体器官移植特殊的含义。由于供/受者都接受手术,活体器官移植的潜在风险增加了一倍。有关活体器官移植的伦理、法律、医学、社会学以及心理学准则将随着活体移植的开展不断发展完善。本书中的观点仅代表目前我们对活体实体器官移植的认识。

目前距 Murray 1954 年在波士顿成功施行的首例同卵双生子之间的活体肾移植已过去了半个多世纪。自那时起,活体肾移植相对于尸体肾移植的优势即已被广泛认同。因此,在 2002 年,美国的活体肾移植数量首次超过了尸体肾移植。大量文献业已证实相对于尸体肾移植,活体肾移植的优势不仅体现在受者和移植物存活率,也体现在术后免疫、感染并发症以及免疫抑制剂用量上。

20 世纪 90 年代出现的活体肝移植大大降低了终末期肝病患者等待供肝期间的死亡率。而活体胰腺和小肠移植,虽然仍处于起步阶段,但数量也有了显著的增加。

本书是明尼苏达大学和伊利诺伊大学两个移植中心的合作成果。我们两个中心都已开展了所有腹部器官的活体移植项目,其中之一还进行了活体胰岛和活体肺移植的尝试。自 2002 年起,两个中心每隔两年组织一次国际性的腹部器官活体移植会议。已经举行的 3 次会议邀请到了来自亚洲,欧洲,北美的各领域权威参加。2004 年及 2006 年会议的重要进展均已发表于本领域的重要期刊与大家分享。因此,我们两个中心决定编写此书对这一领域的进展进行一系统总结。

编者有幸邀请到了本领域的权威专家进行本书编写,手术部分的编者多是该领域的先驱。我们要感谢 Murray 分享其早期经验。感谢前器官共享网络(UNOS)主席 Francis Delmonico 在 2004 年和 2005 年组织的阿姆斯特丹以及温哥华会议,两个会议分别对活体肾供者与活体肝、胰腺、小肠、肺供者的相关问题进行了深入探讨。

我们要将本书献给所有的活体供者,感谢他们的远见,他们的勇气,以及他们对移植医师的信任。我们还要铭记那些虽然我们倾尽全力,却没能挽救的供者,他们用生命为英雄两个字做出了注脚。我们要时刻意识到每一例供者的死亡都会给爱他们的人和医疗团队带来巨大悲痛。

本书各章节涵盖了活体器官移植的方方面面。从供者咨询到经济学分析,从手术步骤到结局分析,从历史回顾到未来展望都有涉及。我们对手术以及医学的相关问题尤其进行了详细讨论。无论是本领域的专家还是初学者都能找到他们感兴趣的内容。

本书针对的主要读者为移植外科医师和内科医师,也包括肾脏病学、肝脏病学、胃肠病学、内分泌学、病理学、免疫学领域的研究者。也可作为移植进修医师、住院医师、医学生、护理人员、移植协调员的参考书。

Rainer W. G. Gruessner
Enrico Benedetti

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