

The value of recent advances using the CO₂ laser in neurosurgery

Peter Wolf Ascher

After three and a half years of clinical experience in more than 350 neurosurgical operations we believe that the role of laser has become more and more important, particularly in all neurosurgical border areas of operability.

Even today it seems to be irreplaceable in special cases. Furthermore we found with increasing experience not only new indications of using, but also new advantages of this innovation.

It should be strongly emphasized that this new method will require a rethinking and that the surgeon, who will benefit most from it has to undergo special training. As far as we can see from our own experience, we think that at least two or three years are necessary to master the new technique with all its finesses.

Last but not least we have to point out that the laser should not be a replacement for successful traditional surgery. It is in our opinion an additional technique with new areas of application.

在神经外科中应用 CO₂ 激光器的最新进展价值

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经过三年半时间对350多例神经外科手术的临床经验,我们相信激光在神经外科,特别是在能施行手术的所有神经外科边缘区中的作用愈来愈重要。

即使今天,在特殊病例中,它似乎也是无法用其他方法替代的。随着经验的增加,我们发现这项革新的新的应用,而且有新的优越性。

应该特别强调的是,这个新方法需要重新予以考虑,对从中受益最多的外科医生必须进行特殊训练。

就我们自己的经验来看,我们认为掌握这一新技术及其所有的巧妙之处至少必须两、三年时间。

我们必须指出的最后但不是最不重要的一个问题是,激光不应代替成功的传统外科疗法。在我们看来,它是具有新的应用范围的另一项技术。