

## Developments in laser diagnostic medicine

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Significant developments have been made in laser diagnostic medicine since the early experiments with laser micro-emission spectroscopy. Now, the field of laser diagnostic spectroscopy has been expanded tremendously with new techniques, especially with infrared lasers. Lasers are important in immunology now and for the future, especially with nephelometry and cell sorter techniques. Investigations have been started also on cardiovascular dynamics with laser technology. Laser transillumination research continues for breast cancer diagnosis. Laser communications, information handling and transmission of x-ray pictures are additional applications for laser medicine. So now, laser diagnostic medicine can be combined with laser surgery for the good of man, now and for the future.

## 激光诊断医学的发展

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自从早期实验激光微发射光谱学以来,激光诊断医学有了很大的发展。当前,由于种种新技术的使用,尤其是红外激光器的使用,激光诊断光谱学领域有了很大的扩展。不论在目前与将来激光对免疫学都是重要的,特别是由于有了悬胶体光散射法与细胞筛选技术。激光技术在心血管动力学研究中也开始使用。诊断乳房癌的激光透照法正在研究。激光通讯信息处理, X 射线图象传递是激光医学的其他应用。因此激光诊断医学能与激光外科相结合,目前和将来都是有益于人类的。