

FIRST VAMA DBS Symposium, 26th September 2020, Vama, Bulgaria  
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ABSTRACT

**The basic stereotactic technique and modern imaging strategies**

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Stereotactic surgery has evolved in the aftermath of the psychosurgery era. Already in the first description of the application of the stereotactic technique in the human by Spiegel and Wycis (1947), its use for psychiatric surgery is described. Over the years, indications have evolved and today we use the technology to treat far advanced diseases like movement disorders and begin to see the merit of Deep Brain Stimulation also for other diseases. In order to allow such an evolution, imaging technologies had to be refined. This lecture gives some insight into the basic stereotactic technique and also into the use of modern imaging technologies to plan, perform and understand modern stereotactic approaches.