



Karlsson Bengt Gunnar

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Dr Karlsson Bengt Gunnar is a neurosurgeon with an M.D. from Karolinska Institute Medical School (1980) and a Ph.D. from the same institution (1996). He served as a Neurosurgery Consultant at Karolinska Hospital (1988). He was the Assistant Director and Director at the Karolinska Gamma Knife Center from 1991 to 2001. Dr Karlsson then headed the Gamma Knife Center at Goethe University Frankfurt (2001-2004) and was a Full Professor of Neurosurgery at West Virginia University (2004-2009). Since 2009, he has been the Director of the Singapore Gamma Knife Centre and a visiting consultant at National University Hospital (NUH). Dr Karlsson has also served as a visiting professor at institutions such as the Armed Forces Hospital Riyadh, University at Buffalo, and Cleveland Clinic in the USA.

Topic: Gamma Knife Neurosurgery for Multiple and / or Large Brain Metastases

Gamma Knife surgery (GKS) has been used to treat brain metastases (BM) since 1975, but it took until the early 90s before a general acceptance had developed for treating single BM with GKS. The time to acceptance from treating single BM to up to three or four BM was much faster, but a resistance treating more than four BM with GKS was compact for many years, in spite of the fact that a large study showing that the number of BM for patients with multiple BM has no predictive value for the survival time. The lecture will try to give the reasons for the acceptance of treating BM with GKS has been so slow, and also show that the arguments against treating multiple BM with GKS is of no or minor importance. The role of GKS for larger BM, and how to overcome the volume limitations, will also be discussed in the lecture.