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The Söring CPC 3000 cold plasma system has been used for the following indications in neurosurgery since 2003:

1. Coagulation of superficial tumour remains of intracranial meningeoma – tumour onset point
2. Coagulation of resection pockets of intracranial, in particular primary tumours, i.e. for coagulating resection pockets of glioblastoma and astrocytoma.  
This applies to all locations, i.e. cerebrum/cerebral hemisphere as well as in the posterior cranial fossa and the brain stem.
3. In the spinal area: for haemostasis of epidural veins, bone – cancellous bone - and in particular capsules

Key indications for cold plasma application: on one hand, the desire to coagulate without direct tissue contact - only possible with the cold plasma coagulator – while at the same time reducing the immersion depth as far as possible, which is not possible with a laser, on the other hand, a widespread sloughing of tumour resection pockets.

Our application of the cold plasma system between 2003 and 2006 did not reveal any issues with regard to technology and pertaining accessories, in particular handpieces and probes, neither did we experience any complications caused by application of the CPC unit such as secondary haemorrhages or neurological deficits due to cerebral damage.