Cancer Imaging

It is often impossible to visually distinguish the cancers from normal tissue. A handheld contact Raman Spectroscopy probe technique has been developed which allows local detection of cancer cells in the human brain. Recent report in Sci Transl Med, 11 February 2015 issue, show that this probe used intraoperatively is able to classify normal and cancer cells in human brain in real time with a sensitivity of 93% and a specificity of 91%.

References

Sci Transl Med 11 February 2015: Vol. 7, Issue 274, p. 274ra19 http://stm.sciencemag.org/content/7/274/274ra19