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Combined with those methods, the hyperthermic session increases cancer cell sensitivity to the effects of the combined treatment,^{14,15} thus increasing survivability and improving the prognosis. MNP can be potentially used to create a combined diagnosis and treatment method, based on acoustic detection and focused hyperthermic treatment. Magneto-opto-acoustic imaging, both in tissue like phantoms²² and in vivo in breast imaging,²³ was presented. However, the nanoparticles were not localized but only imaged. They were also not used for thermal treatment.