

ORAL PRESENTATION

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# HIFU immunotherapy: lessons from animal to clinical studies

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## Background/introduction

The ideal cancer therapy not only induces the death of all localized tumor cells, but also activates a systemic antitumor immunity. High intensity focused ultrasound (HIFU) has the potential to be such a treatment, as it can non-invasively ablate a targeted tumor below the skin surface, and may subsequently augment host antitumor immunity.

## Methods

This talk is to introduce increasing animal and clinical evidences linking antitumor immune response to HIFU ablation, review the potential mechanisms, and discuss challenges and opportunities involved in HIFU-enhanced host antitumor immunity.

## Results and conclusions

It is concluded that HIFU immunotherapy may play an important role in preventing local recurrence and metastasis of cancer after HIFU treatment.

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