



Effects of Short-term Forced-Air Warming on Perioperative Hypothermia

Background Information for Applicants

We are seeking proposals from qualified clinical research investigators to conduct studies assessing the impact of short-term forced-air warming (e.g., ~10 minutes before induction of anesthesia) on the incidence rate of inadvertent perioperative hypothermia (IPH) due to general anesthesia.



The primary study objective should focus on the impact of short-term forced-air warming on IPH. Studies may compare short-term warming versus no pre-induction warming and/or compare short-term warming with longer warming times (e.g., 30-minute pre-induction warming). Intraoperative warming after induction of anesthesia should follow facility protocols and occur for all patients regardless of pre-induction warming.

Other objectives may include:

- the effect of short-term warming on the core-to-peripheral temperature ratio at induction & how this relates to the IPH rate
- patient and/or procedural factors that impact the effect of short-term warming on IPH (e.g., duration of interruption between warming and induction).

Surgery types that are of interest are those anticipated to last 60 minutes or longer (where the IPH rate may be higher) or surgeries using irrigation, especially non-warmed irrigation. Surgery types may include but are not limited to breast surgeries, orthopedic surgeries, urological surgeries, or gynecological surgeries.

Solventum will provide study products and any necessary training or technical support. Investigators are expected to outline any additional support or resources that may be required.

Eligibility considerations

Investigators must have experience in conducting clinical research related to patient warming.

Investigators must have access to a research infrastructure and support capabilities.

Submission Deadline

Proposals may be submitted for review by any of the following dates: March 31st, June 30th, September 30th, or December 31st. Proposals will be reviewed on a quarterly basis.

Contact Information

For any questions or further information, please contact us at:

3Misr@solventum.com

All concepts should be submitted in English through our [iEnvision](#) portal.

All concepts submitted to Solventum require the following information:

- Investigator CV and contact information
- Site Contact Information
- General information which includes:
 - Study title, product, type of support requested
- Study information which includes:
 - Study design, overview/hypothesis, background/rationale, endpoints, sample size with statistical rationale and estimated length of the study

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We look forward to receiving your proposals and working together to better understand the effects of short-term forced-air warming.