

PD Dr. Rüdiger Wessalowski

Associate Professor
Clinic for Pediatric Oncology, -Hematology and Clinical Immunology
Medical Faculty
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Germany

Date of Birth: September 21, 1959

Dr. Wessalowski was born and raised in the Lower Rhine region of Germany, where he received his education. After he graduated his license to practice medicine in 1987, he obtained his MD degree from Heinrich-Heine-University Düsseldorf in 1993 and specialized in pediatric oncology and hematology. From 1991-2017 Dr. Wessalowski is a Scientist within the Hyperthermia Study Group at Heinrich-Heine-University Düsseldorf, and since 2000 an Associate Professor in the Clinic for Pediatric Oncology, Hematology and Clinical Immunology in the Medical Faculty Duesseldorf, Germany, where he leads a clinical research program for regional deep hyperthermia for children, adolescents and adults.

Dr. Wessalowski has devoted his research career to the development of hyperthermia strategies for children and translation of the hyperthermia technology to clinical practice in childhood cancer. His efforts led to the world's first prospective human trial of regional deep hyperthermia in infants and small children with refractory and/or recurrent cancer (Hyper-PEI protocol).

The hyperthermia strategy in childhood cancer according to the Hyper-PEI protocol - registered at the German Cancer Society (number 50-2732) - now has investigational approval in Germany, and is being evaluated clinically by the German Society of Pediatric Oncology and Hematology (GPOH) since 2004. In addition to the development of clinical hyperthermia therapy strategies in children, adolescents and adults, Dr. Wessalowski has explored the potential for non-invasive temperature measurement in the body of children and adults using BSD 2000-3D-Hydrid System. His interests include also the preclinical and clinical analysis of heat shock proteins as immune modulators, preclinical and clinical drug testing for thermosensitisation, and translation of experimental hyperthermia treatment strategies into clinical evaluation.

Additional Functions

Society Memberships

ESHO European Society for Thermal Medicine
STM Society for Thermal Medicine
GPOH German Society for Pediatric Oncology and Hematology

Member of Editorial Boards and Reviewer

- International Journal of Hyperthermia
- Lancet
- Lancet Oncology
- Radiation Oncology
- Pediatric Blood and Cancer

Honors

- 2013 ESHO Award (European Society for Thermal Medicine)
- 2016 Counciler for Clinical/Medicine Sciences of the Society for Thermal Medicine