



Analysis of thermal micro-environment generated by the surgical team members in operating rooms with both laminar airflow and mixing ventilation

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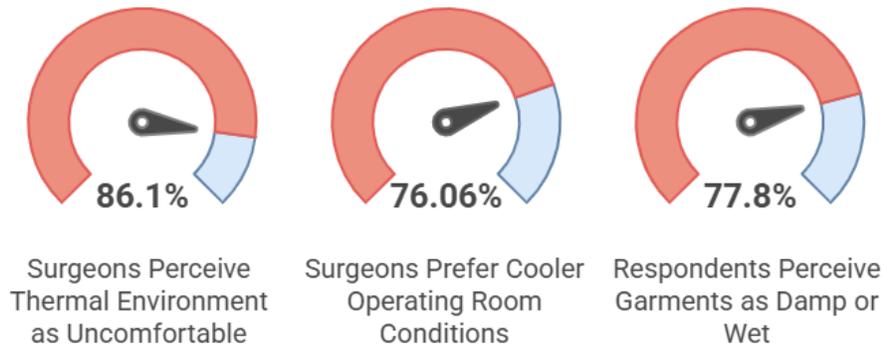
Warsaw University of Technology



Thermal comfort



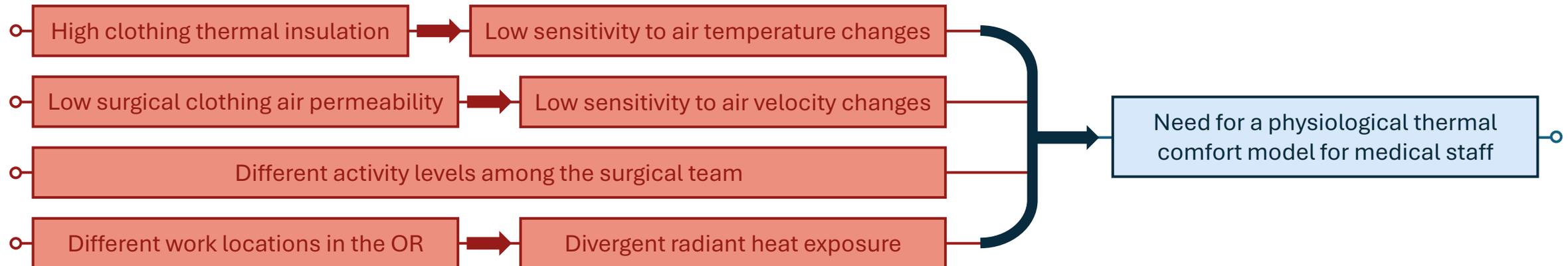
Confort assessment within the surgery team



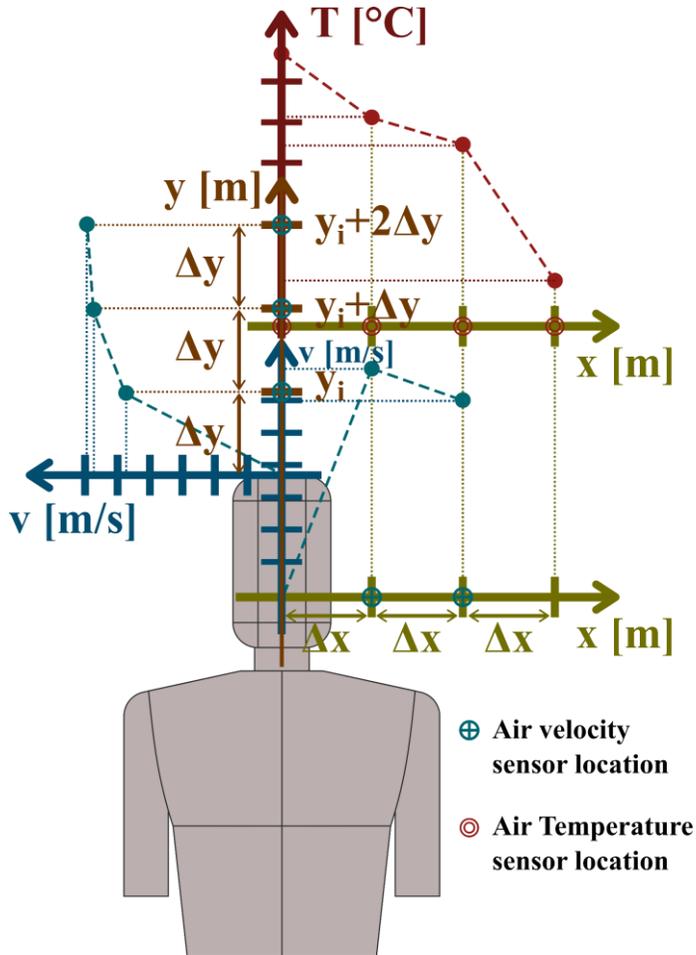
Survey conducted by:

Ćwiklińska, D., Bogdan, A. and Szyłak-Szydłowski, M., 2022. Survey on factors influencing surgeons' sensation in Polish operating theatres. Building and Environment, 214, p.108929.

Made with Napkin

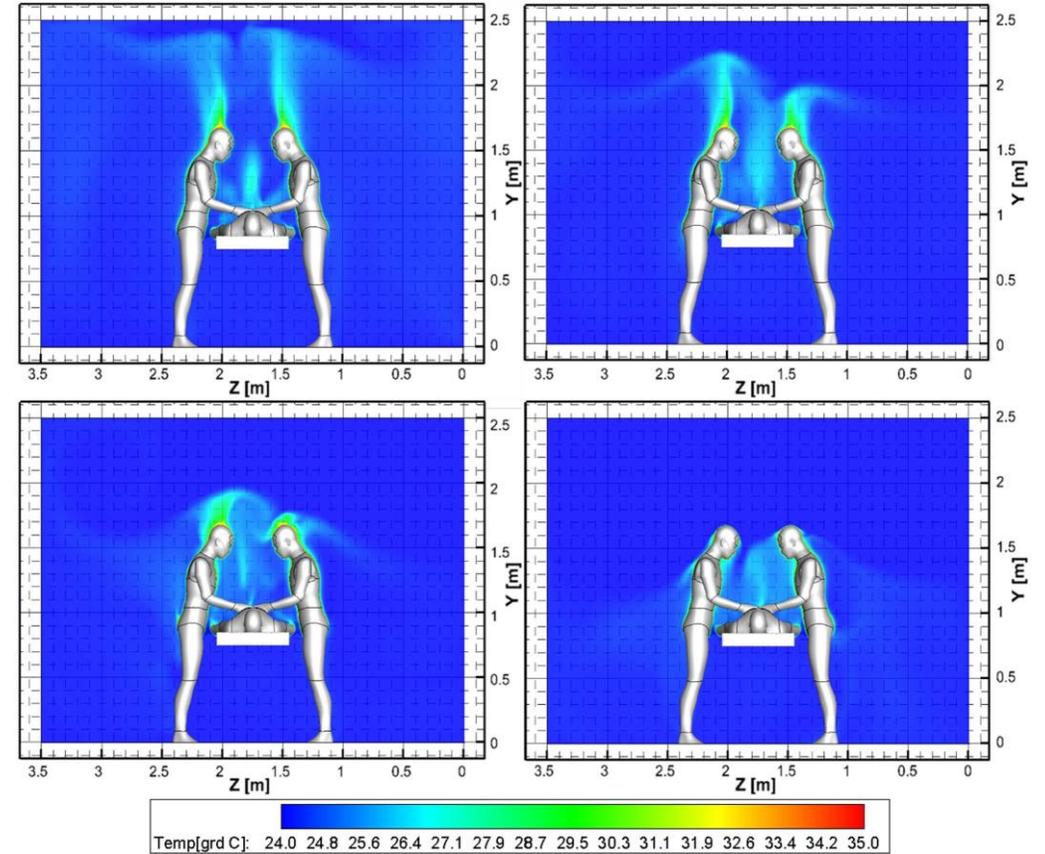


Human convective flow



Original image inspired by the results of:

Dong, Z., Zhou, B., Li, F., Wang, Y., Lin, X. and Wu, X., 2017. Investigation of thermal plume around a simulated standing operator in an operating room. *Procedia Engineering*, 205, pp.1940-1945.



Tacutu, L., Bode, F., Năstase, I., Croitoru, C. and Dogeanu, A., 2022. Experimental and numerical study on the thermal plumes of a standing and lying human in an operating room. *Science and Technology for the Built Environment*, 28(1), pp.2-20.