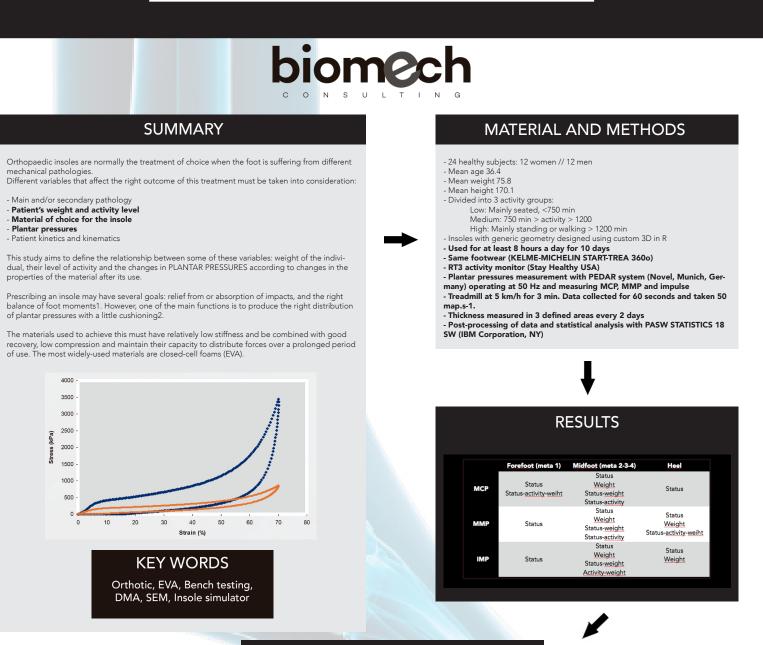
CHANGES IN THE SURFACES AND PROPERTIES OF INSOLES AND PLANTAR PRESSURES

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CONCLUSIONS

In a short-term real use scenario (10 days), the cumulative load using the thickness of 4mm showed significant changes in the PLANTAR PRESSURE parameter, in particular in the forefoot (first metatarsal), due to the patient's weight and activity level (status) in line with the results from the tests for this material (dual density EVA, 50-30)

Consequently, weight, force and activity duration are variables that must be taken into consideration when deciding which materials to choose when designing insoles.

Further research is necessary to be able to predict the mean useful life of insoles according to the patient's weight and level of activity, and to determine the ideal materials depending on the mechanical function required by patients

The changes observed over this short time period suggest that we must be careful when interpreting the effectiveness of insoles. The choice of material should be assessed in more depth

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