

With the same body pressure value, the influences on the skin differ with a posture or tools. The comparison method is shown.

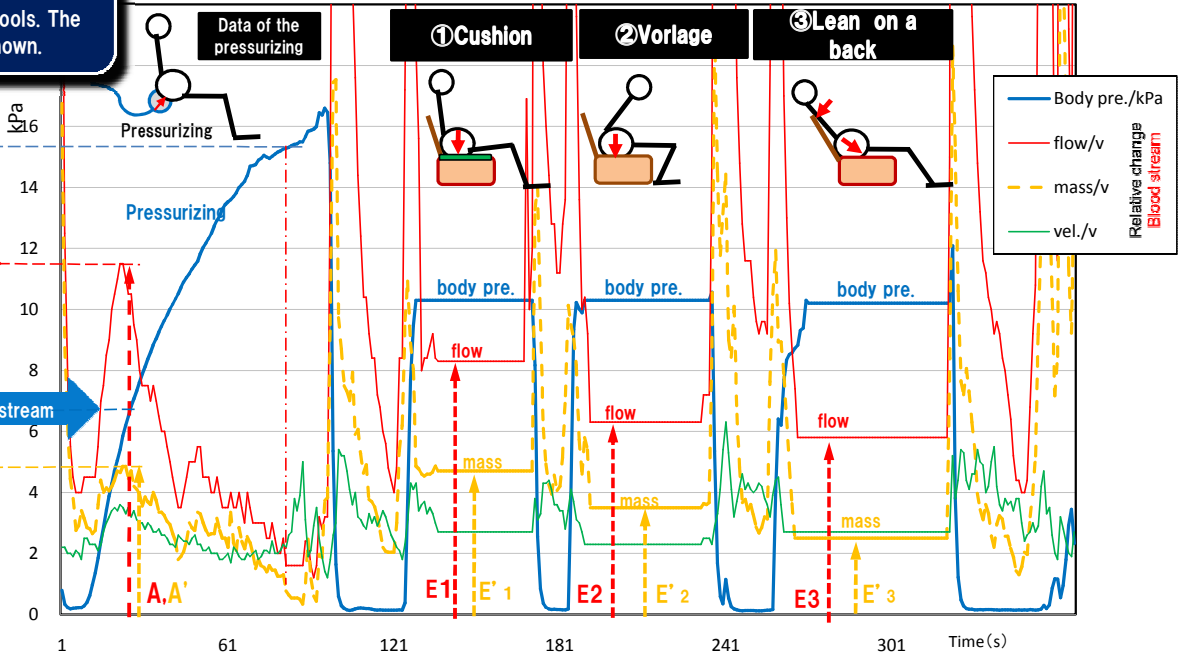
Compare the same body pressure value - - - The bloodstream change calculates after averaging it.

Pressure to which blood stream stops

Blood flow(Max)

Pressure to influence bloodstream

mass(Max)



mass or volume
[As evaluation example] 1, compare it in flow (mass×vel.=flow)

2, compare it in mass

Condition	Explanation of the posture	A: 11.5	E/A= %	A': 4.9	E'/A'= %
Pressurizing	pressurize skin perpendicularly (Till bloodstream stops)	A: 11.5	-	A': 4.9	-
①	Body pressure is the relaxation with the cushion	E1: 8.3	72 %	E'1: 4.7	96 %
②	Hard bearing surface, Low in vorlage	E2: 6.3	55 %	E'2: 3.5	71 %
③	Lean on a back. However, body pressure aslant!?	E3: 5.8	50 %	E'3: 2.5	51 %

Vel. is not included in evaluation. That is because it will react greatly if a blood vessel becomes narrow. Moreover, it is because vel. is a partial reaction. Therefore, it is because it is in inverse proportion to the influence on the skin.

As evaluation example

It is the influence of MASS that flow fell to 50%

As for MASS having fallen to 51%, influence of the shear stress is big

Average

