

Summary of previous models**2014 model (3):**

Logistic regression equation: $-2.9888276 - 0.025271306 * \text{AGESURGERY} + 0.39411295 * \text{PARITY} + 0.94942361 * \text{BMI} + 0.4605713 * (\text{LEAK} = \text{"Positive"}) - 1.8324541 * (\text{Continence procedure performed} = \text{"Yes"}) + 0.37542553 * (\text{Leaking associated with a feeling of urgency} = \text{"Yes"}) + 0.56222837 * (\text{DIABETES} = \text{"Yes"})$

2019 model (5):

The formula for risk: $\text{Risk} = 1/[1 + \exp(\text{score})]$.

Score reference model: $-4.44 + [0.57 \times (\text{age} < 55 \text{ years} + \text{Ba} < -1 + \text{vaginal parity} < 4 + 3 \times \text{subjective UI} + 2 \times \text{MUS})]$.

Score extended model: $-4.74 + [0.57 \times (\text{age} < 55 \text{ years} + \text{Ba} < -1 + \text{vaginal parity} < 4 + 3 \times \text{subjective UI} + 2 \times \text{MUS} + \text{stress test})]$.

2022 model (7):

Logistic regression equation of the model with the stress test: $3.64 + 1.00 \times \text{age} (\geq 55 \text{ years}) + 0.56 \times \text{diabetes mellitus} + 1.07 \times \text{subjective urinary incontinence} - 3.04 \times \text{concomitant midurethral sling} + 0.77 \times \text{Sacrocolpopexy} + 0.73 \times \text{positive prolapse reduction stress test}$.

Logistic regression equation of the model without the stress test: $3.42 + 1.01 \times \text{age} (\geq 55 \text{ years}) + 0.59 \times \text{diabetes mellitus} + 0.97 \times \text{subjective urinary incontinence} - 2.44 \times \text{concomitant midurethral sling} + 0.68 \times \text{sacrocolpopexy}$.