

Modification of the Sniffin Kids Test for olfactory testing in a population of Polish children



Aim

- ➔ **Adapt the Sniffin Kids Test for Polish children**
- ➔ **Conduct validation and evaluation of the Sniffin Kids Poland Test**



Study participants

382
Children meeting inclusion criteria

343
Healthy group

39
Sick group

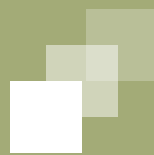
13
Anosmic children with Kallmann syndrome and olfactory bulb aplasia in MRI

Age groups (years)

4-7

8-10

11-14



Research stages

- 1 Smell testing:** Sniffin Kids Test, 6 odors test
 - ➔ **75.71%** results comparable between 6 odors test & Sniffin Kids Test
 - ➔ **80.68%** results comparable between 6 odors test & Sniffin Kids Poland Test

- 2 Creating the Sniffin Kids Poland Test**
 - ➔ Odor identification rate obtained for:

4-7 5 odors **8-10** 7 odors **11-14** 11 odors

- 3 Validation**

- ➔ Results compared with  & 
- ➔ High AUC, sensitivity, & specificity

- 4 Reliability assessment**

- ➔ High Cronbach alpha values
- ➔ High correlation between repetitions
- ➔ Results reproducible



➔ **The Sniffin Kids Poland Test is an effective, reproducible, and adaptable tool for olfactory assessment in Polish children aged 4-14 years**

