

# Challenges of health care in treatment and preparation for preemptive kidney transplantation in people with special needs

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## Introduction

Psychomotor retardation is a limitation of intellectual ability and reduced capacity in daily functioning. Causes are unclear in 30-50% of cases.

Most common known causes are genetic abnormalities and disorders in pregnancy (TORCH infections, abuse of alcohol or narcotics, malnutrition, hypothyroidism).

Psychomotor retardation is a relative contraindication for kidney transplantation.

Reasons: reduced life expectancy (linked to genetic disorders), lack of cognitive ability (inability to understand the transplantation procedure itself), fear of not taking therapy on a regular basis, belief that this modality of treatment does not lead to improvement in the quality of life, the false belief that it is without these the difficulty of denying the donor's "pool"

## Case report

In the fourth month of pregnancy mother had infection – Rubella which resulted in patient's psychomotor retardation.

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|-----------|--|
| NAME      | I.Z.   |
| AGE       | 41   |
| GENDER    | Female   |
| DIAGNOSIS | Oligophrenia<br>Retardation psychomotorica<br>Gastritis chronica<br>Hypertensio arterialis<br>MPGN typ II<br>Microphthalmia<br>Amaurosis in tot.<br>Dyslipidemia<br>Hyperuricaemia<br>St post achillotenoplasticum<br>Insufficiencio renalis chronica terminalis |

## Methods

Methods used in transplantation was the same as in patients with normal health conditions. The only difference was in rehabilitation phase, where our patient was taking immunosuppressive therapy with favourite food.



Kidney transplantation

## Results

Several months after the transplantation, our laboratory results are within normal limits, the function of the transplanted kidney is functional and well rehabilitated

## Conclusion

Until recently, it was wrongly believed that people with mental disabilities were absolutely contraindicated for kidney transplantation. Clinical trials and the case from our department show that graft survival and life expectancy in patients with psychomotor retardation are similar to those in the control group.