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### Acute Psychosis in the Setting of Severe Hypothyroidism

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#### introduction:

the relationship between hypothyroidism and mood disorder especially depressive disorder is well described. However, there are few studies reporting psychotic symptoms (such as delusions, auditory or/and visual hallucination) in the setting of thyroid hormone deficiency.

#### objectives:

this study highlights psychosis as a possible presenting symptom in hypothyroidism.

#### methods

case report and review

#### results:

we report the case of a female patient aged 36 years old with no family or personal psychiatric history, who presented with delusion, depressive disorder and auditory hallucination. The CT scan was without abnormality. The thyroid screening finds a severe hypothyroidism after 3 months of radiotherapy with Iodine-131 [FT4 = 2.49 pmol/l, TSH 135.28 µU/ml]

#### conclusion:

psychotic symptoms are an uncommon presentation of hypothyroidism and treatment choices are controversial.