

DIO2 GENE TEST

Patient Name: **Sample Report**
Date of Birth: **1978/09/21**
Sample Number: **N/A**
Referring Practitioner: **Nordic Laboratories**
Date Reported: **2014/12/04**

WELCOME TO YOUR DIO2 GENE TEST REPORT

DIO2 codes for Type II iodothyronine deiodinase (D2) and forms part of a family of three iodothyronine deiodinase enzymes which are responsible for the activation and deactivation of thyroid hormones and for the conversion of thyroxin (T4) to the active or inactive form of triiodothyronine (T3). D2 is the only enzyme able to convert T4 to T3 in the brain and is likely to play a key role in determining the ability of the brain to respond to circulating T4 levels, thus a common variation in D2 activity may represent the best available marker of intracellular T3 levels in the brain.

YOUR RESULT

YOUR RESULT:

TC

Rs225014 T>C OR Thr92Ala

Research suggests that the C allele in the DIO2 gene may predict both poorer psychological well-being on T4 monotherapy and improved response to combination T4/T3 therapy in patients on thyroid hormone replacement therapy.

It has been shown that in the presence of the C allele TSH, FT4 and FT3 blood tests will appear normal despite ongoing symptoms



No Impact



Low/No Impact



Moderate Impact



High Impact

Head Office:

Nygade 6, 3.sal • 1164 Copenhagen K • Denmark
+45 33 75 10 00

South Africa Office:

North Block • Thrupps Centre • 204 Oxford Rd • Illovo 2196 • South Africa
+27 (0) 11 268 0268

UK Office:

11 Old Factory Buildings • Battenhurst Road • Stonegate • E. Sussex TN5 7DU • UK
+44 (0) 1580 201 687