

RAR-related orphan receptor C

RAR-related orphan receptor gamma (ROR γ) is a protein that in humans is encoded by the RORC (RAR-related orphan receptor C) gene.

24 patients bearing large Somatotroph adenomas.

Clinical data and **somatostatin receptor ligands** (SRLs). SRLs response both before and after surgical debulking were collected and 21 **molecular biomarkers** of SRLs response were studied in tumor samples by **gene expression**.

From the 21 molecular markers studied, only two of them predicted enhanced SRLs response after surgery. Tumors with improved response to SRLs after surgical debulking showed lower levels of **Ki-67** (MKI67, FC=0.17, and p=0.008) and higher levels of **RAR-related orphan receptor C** (RORC) (FC=3.1 and p<0.001). When a cut-off of no detectable expression was used for Ki-67, the model provided a sensitivity of 100% and a specificity of 52.6% with an area under the curve of 65.8%. Using a cut-off of 2 units of relative expression of RORC, the prediction model showed 100% of sensitivity and specificity.

High levels of **RAR-related orphan receptor C** (RORC) and low levels of **Ki-67** identify improved SRLs response after surgical **debulking** in large **somatotroph adenomas**. To determine their expression would facilitate medical treatment decision making after surgery ¹⁾.

¹⁾

Gil J, Marqués-Pamies M, Jordà M, Fajardo-Montañana C, García-Martínez A, Sampedro M, Serra G, Salinas I, Blanco A, Valassi E, Sesmilo G, Carrato C, Cámara R, Lamas C, Casano-Sancho P, Alvarez CV, Bernabéu I, Webb SM, Picó A, Marazuela M, Puig-Domingo M; REMAH investigators. Molecular determinants of enhanced response to somatostatin receptor ligands after debulking in large GH producing adenomas. Clin Endocrinol (Oxf). 2020 Sep 26. doi: 10.1111/cen.14339. Epub ahead of print. PMID: 32978826.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=rar-related_orphan_receptor_c

Last update: **2024/06/07 02:49**

