

Manuscript: Economic burden and health-related quality of life in patients with Neurofibromatosis (NF) in Greece

SUPPLEMENTARY MATERIAL

Supplementary Table 1 Treatment cost inputs

Treatment	Unit per vial / tab	Vials / tablets per pack	Cost per pack	Cost per vial / tab	Units (vials/tabs) per year	Annual cost
Selumetinib	10mg	60	€4,766.8*	€79.5	1,460	€115,991.9
Selumetinib	25mg	60	€11,918.1*	€198.6	730	€145,003.9
Levetiracetam	500mg	30	€7.0	€0.2	730	€172.5
Acetylsalicylic acid	2.5mg	28	€7.1	€0.3	365	€92.8
Brivaracetam	75mg	56	€66.3	€1.2	730	€864.3
Cabozantinib	60mg	30	€4,123.0	€137.4	365	€50,163.1
Carboplatin	150mg	1	€12.6	€12.6	32**	€401.6
Vincristine	2mg	1	€4.9	€4.9	16**	€78.4

Abbreviations: mg, milligram

*In absence of a published local price, unit cost was based on NICE HST guidance's published price.

**Administered only for one year

Supplementary Table 2 Unit costs of HCRU

Resource	Unit cost	Source
Medical visit	€ 10	EOPYY reimbursed price based on physicians reimbursed fee

Complete blood count	€ 2	EOPYY reimbursed price of complete blood count based on Greek list of laboratory and imaging tests' prices (Greek reference: 157/18,157/24 - Γενική εξέταση αίματος- αιμοσφαιρίνη-αριθμός ερυθρών αιμοσφαιρίων, αριθμός λευκών και τύπος αυτών, μετά προσδιορισμού αιματοκρίτου HT)
CT scan	€ 45	EOPYY reimbursed price of CT scan based on Greek list of laboratory and imaging tests' prices (Greek reference: 81/23, 49976/05-12-2012 Αξονική Τομογραφία (4-8 τομές)
X-ray	€ 4	EOPYY reimbursed price of spirometry based on Greek list of laboratory and imaging tests' prices (Greek reference 157/39: Ακτινογραφία λεκάνης και κατ' ισχίον αρθρώσεων)
MRI scan	€ 131	EOPYY reimbursed price based on average of 3 MRI types
Hospitalization	€80	One-day clinic
Otorhinolaryngologist	€10	EOPYY reimbursed price based on physicians reimbursed fee
Eye test	€10	EOPYY reimbursed price based on physicians reimbursed fee
Dermatologist	€10	EOPYY reimbursed price based on physicians reimbursed fee
Physiotherapy	€15	EOPYY reimbursed price based on physicians reimbursed fee
Speech and language therapist	€15	EOPYY reimbursed price of speech and language therapy based on Greek list of laboratory and imaging tests' prices (Greek reference: 138/43, 127/1, ΦΕΚ 2011 - 2456/14, ΣΧΔ69/26-3- 2014 - Αγωγή λόγου-λογοθεραπεία)
Occupational therapy	€15	EOPYY reimbursed price of occupational therapy based on Greek list of laboratory and imaging tests' prices (Greek reference: ΦΕΚ 1233/11-04-2012, ΣΧΔ69/26-3-2014, ΦΕΚ 38-28-03-2017 - Εργοθεραπεία ενηλίκων)
Psychotherapy	€15	EOPYY reimbursed price of psychotherapy based on Greek list of laboratory and imaging tests' prices (Greek reference: 138/43, 127/1 - Ατομική Ψυχοθεραπεία ενηλίκων από ψυχίατρο)
One-off costs		

Tumor resection surgery	€2,984	Government Gazette 946/2012 - DRGs List - 1/3/2012 (Average of Greek DRGs-KEN Σ02Μα, Σ02Μβ, Σ02Χ)
Stereotactic Radiosurgery	€5,750	EOPPY reimbursed price for Stereotactic Radiosurgery 19703/23-04-2012 Στερεοτακτική ακτινοχειρουργική ακτινοθεραπεία
Auditory brainstem implants and cochlear implants	€24,000	Government Gazette 946/2012 - DRGs List - 1/3/2012 (Greek DRG-KEN Ω01Α)
Radiotherapy	€557	Government Gazette 946/2012 - DRGs List - 1/3/2012 (Average of all radiotherapy DRGs)

Abbreviations: CT, computed tomography; MRI, magnetic resonance imaging

Supplementary Table 3 Yearly out of pocket costs

Resource	Cost per visit*
Physiotherapy	€31
Speech and language therapist	€34
Occupational therapy	€34
Psychotherapy	€51
Non reimbursed medications	€861
Transportation	€326
Genetic tests	€288
One-off costs	
Adjustments in the home	€941

*Cost per visit was calculated combining the resource use as derived from questionnaires' feedback with respective unit costs sourced from local official sources.