



## Guillain-Barré syndrome subtype diagnosis: A prospective multicentric European study

Submitted by Beatrice Guillaumat on Wed, 08/28/2019 - 10:51

Titre	Guillain-Barré syndrome subtype diagnosis: A prospective multicentric European study
Type de publication	Article de revue
Auteur	Van den Bergh, Peter YK [1], Piéret, Françoise [2], Woodard, John L [3], Attarian, Shahram [4], Grapperon, Aude-Marie [5], Nicolas, Guillaume [6], Brisset, Marion [7], Cassereau, Julien [8], Rajabally, Yusuf A [9], Van Parijs, Vinciane [10], Verougstraete, Donatienne [11], Jacquerye, Philippe [12], Raymackers, Jean-Marc [13], Redant, Céline [14], Michel, Claire [15], Delmont, Emilien [16]
Organisme	University of Louvain GBS Electrodiagnosis Study Group [17]
Editeur	Wiley
Type	Article scientifique dans une revue à comité de lecture
Année	2018
Langue	Anglais
Date	Juillet 2018
Numéro	1
Pagination	23-28
Volume	58
Titre de la revue	Muscle Nerve
ISSN	1097-4598
Mots-clés	anti-ganglioside antibodies [18], electrophysiological subtypes [19], Guillain-Barré syndrome [20], nerve conduction studies [21], nodopathy/paranodopathy [22], reversible conduction failure [23]
Résumé en anglais	<p><b>INTRODUCTION:</b> There is uncertainty as to whether the Guillain-Barré syndrome (GBS) subtypes, acute inflammatory demyelinating polyradiculoneuropathy (AIDP) and acute motor axonal neuropathy (AMAN), can be diagnosed electrophysiologically.</p> <p><b>METHODS:</b> We prospectively included 58 GBS patients. Electrodiagnostic testing (EDX) was performed at means of 5 and 33 days after disease onset. Two traditional and one recent criteria sets were used to classify studies as demyelinating or axonal. Results were correlated with anti-ganglioside antibodies and reversible conduction failure (RCF).</p> <p><b>RESULTS:</b> No classification shifts were observed, but more patients were classified as axonal with recent criteria. RCF and anti-ganglioside antibodies were present in both subtypes, more frequently in the axonal subtype.</p> <p><b>DISCUSSION:</b> Serial EDX has no effect on GBS subtype proportions. The absence of exclusive correlation with RCF and anti-ganglioside antibodies may challenge the concept of demyelinating and axonal GBS subtypes based upon electrophysiological criteria. Frequent RCF indicates that nodal/paranodal alterations may represent the main pathophysiology. Muscle Nerve, 2018.</p>

URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua20087">http://okina.univ-angers.fr/publications/ua20087</a> [24]
DOI	10.1002/mus.26056 [25]
Lien vers le document	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/mus.26056">https://onlinelibrary.wiley.com/doi/abs/10.1002/mus.26056</a> [26]
Autre titre	Muscle Nerve
Identifiant (ID) PubMed	29315669 [27]

---

## Liens

- [1] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38659>
- [2] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38660>
- [3] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38661>
- [4] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38662>
- [5] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38663>
- [6] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=653>
- [7] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38664>
- [8] <http://okina.univ-angers.fr/julien.cassereau/publications>
- [9] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38665>
- [10] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38666>
- [11] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38667>
- [12] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38668>
- [13] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38669>
- [14] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38670>
- [15] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38671>
- [16] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38672>
- [17] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=38673>
- [18] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29307>
- [19] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29308>
- [20] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29309>
- [21] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29310>
- [22] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29311>
- [23] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=29312>
- [24] <http://okina.univ-angers.fr/publications/ua20087>
- [25] <http://dx.doi.org/10.1002/mus.26056>
- [26] <https://onlinelibrary.wiley.com/doi/abs/10.1002/mus.26056>
- [27] <http://www.ncbi.nlm.nih.gov/pubmed/29315669?dopt=Abstract>

Publié sur *Okina* (<http://okina.univ-angers.fr>)