Development and validation of a classification algorithm to diagnose and differentiate spontaneous episodic vertigo syndromes: results from the DizzyReg patient registry

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Supplementary material

Table 1: Summary description of variables used for training the classifiers for VM and MM, respectively.

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| Summary panel | Examples | Total number of variables per panel |
| Technical diagnostic variables | Results from audiometry | 6 |
| Sociodemographic variables | age, gender, education,  | 5 |
| Items from Dizziness Handicap Inventory  | “Because of your problem, are you afraid to leave your home without having someone accompany you?” | 2 |
| Patient history | Tinnitus, duration of vertigo attacks  | 39 |
| Variables from neurological examination | Presence of headache | 6 |
| Variables from orthoptic examination | Examination of nystagmus,  | 44 |
| Miscellaneous |  noise as trigger | 3 |
| Total  |  | 105 |



Figure 1: Description of the workflow for the repeated pre-training of Deep Neural Networks (DNN) to improve training accuracy