## **APPENDIX**



## Diagnostic Criteria for Hypermobile

Ehlers-Danlos Syndrome (hEDS)
This diagnostic checklist is for doctors across all disciplines to be able to diagnose EDS



| Patie  | nt name:  | _ DOB:   | DOV:                                     | Evaluator.   |   |
|--|---|--|--|--|---|
| The clinical diagnosis of hypermobile EDS needs the simultaneous presence of all criteria, 1 and 2 and 3.                  |   |  |  |  |   |
| CRITERION 1 – Generalized Joint Hypermobility  |   |  |  |  |   |
|  | of the following selected:<br>≥6 pre-pubertal children and adolescents<br>≥5 pubertal men and woman to age 50<br>≥4 men and women over the age of 50  | Beighton Score:  | /9                                       | 230  | FLE   |
|  | ighton Score is one point below age- and sex-s<br>Can you now (or could you ever) place your har<br>Can you now (or could you ever) bend your thu<br>As a child, did you amuse your friends by conto<br>As a child or teenager, did your shoulder or kno<br>Doyou consider yourself "double jointed"?   | nds flat on the floor with<br>imb to touch your foream<br>orting your body into str                  | out bendir<br>m?<br>ange shap            | ng your knees?<br>es or could you do the splits?   | meet ariterion:                               |
| CRITERION 2 – Two or more of the following features (A, B, or C) must be present   |   |  |  |  |   |
| 000 0000 00 000  | ure A (five must be present) Unusually soft or velvety skin Mild skin hyperextensibility Unexplained striae distensae or rubae at the b without a history of significant gain or loss of b Bilateral piezogenic papules of the heel Recurrent or multiple abdominal hernia(s) Atrophic scarring involving at least two sites an Pelvic floor, rectal, and/or uterine prolapse in operdisposing medical condition Dental crowding and high or narrow palate Arachnodactyly, as defined in one or more of t (i) positive wrist sign (Walker sign) on both side Arm span-to-height ratio >1.05 Mitral valve prolapse (MVP) mild or greater be Aortic root dilatation with Z-score >+2 Feature A total: /12 | d without the formation<br>hildren, men or nullipard<br>he following:<br>es, (ii) positive thumb sig | of truly pap<br>ous women<br>In (Steinbe | pyraceous and/or hemosideric scars<br>without a history of morbid obes<br>rg sign) on both sides | s as seen in classical EDS                    |
| Feature B  Positive family history; one or more first-degree relatives independently meeting the current criteria for hEDS |   |  |  |  |   |
| Eeat   | ure C (must have at least one) Musculoskeletal pain in two or more limbs, rec Chronic, widespread pain for ≥3 months Recurrent joint dislocations or frank joint insta  | urring daily for at least 3  | months                                   | The current criteria for nebs  |   |
| CRITERION 3 – All of the following prerequisites MUST be met   |   |  |  |  |   |
|  | Absence of unusual skin fragility, which should   |  |  |  |   |
|  | Exclusion of other heritable and acquired conn<br>acquired CTD (e.g. Lupus, Rheumatoid Arthriti:<br>Feature C of Criterion 2 (chronic pain and/or in:   | s, etc.), additional diagno  | osis of hED                              | S requires meeting both Features A   | A and B of Criterion 2.                       |
|  | Exclusion of alternative diagnoses that may als<br>Alternative diagnoses and diagnostic categoric<br>hereditary disorders of the connective tissue (e.g. osteogenesis imperfecta). Exclusion of the<br>genetic testing, as indicated.   | es include, but are not lir<br>e.g. other types of EDS, I  | nited to, no<br>Loeys-Diet               | euromuscular disorders (e.g. Bethle<br>z syndrome, Marfan syndrome), an                          | em myopathy), other<br>nd skeletal dysplasias |
| Diagnosis:   |   |  |  |  |   |