|  |  |  |  |
| --- | --- | --- | --- |
| **Historical Features:** | **Yes** | **No** | **Unknown** |
| **FH** | Known hereditary connective tissue disorder\*Dx: | Site to enter data | Site to enter data | Site to enter data |
| Aneurysm Location: | Site to enter data | Site to enter data | Site to enter data |
| **Opth** | Myopia: Age at dx: Diopters: | Site to enter data | Site to enter data | Site to enter data |
| Ectopia lentis | Site to enter data | Site to enter data | Site to enter data |
| **Cran-Facial** | H/O cleft palate | Site to enter data | Site to enter data | Site to enter data |
| H/O Palatal expansion | Site to enter data | Site to enter data | Site to enter data |
| Dental extractions for crowding | Site to enter data | Site to enter data | Site to enter data |
| Extra/Missing teeth | Site to enter data | Site to enter data | Site to enter data |
| Unusual H/O dental caries | Site to enter data | Site to enter data | Site to enter data |
| Hearing loss | Site to enter data | Site to enter data | Site to enter data |
| TMJ disorder | Site to enter data | Site to enter data | Site to enter data |
| **Cardiac** | Echocardiogram Date: Location:  | Site to enter data | Site to enter data | Site to enter data |
| Mitral valve prolapsed\* | Site to enter data | Site to enter data | Site to enter data |
| Aortic root dilatation\* | Site to enter data | Site to enter data | Site to enter data |
| Postural orthostatic tachycardia syndrome (POTS) | Site to enter data | Site to enter data | Site to enter data |
| Neurally mediated hypotension (NMH) | Site to enter data | Site to enter data | Site to enter data |
| **Ortho** | DEXA Scan: Date: | Site to enter data | Site to enter data | Site to enter data |
| Osteopenia/Osteoporosis | Site to enter data | Site to enter data | Site to enter data |
| Congenital hip dislocationOther joint dislocation: List joints: | Site to enter data | Site to enter data | Site to enter data |
| Joint pain | Site to enter data | Site to enter data | Site to enter data |
| Joint trauma: Location: | Site to enter data | Site to enter data | Site to enter data |
| Osteoarthritis < 50 y/o | Site to enter data | Site to enter data | Site to enter data |
| **GI** | Gastroesophageal reflux (Loose GE sphincter) | Site to enter data | Site to enter data | Site to enter data |
| Irritable Bowel Syndrome (IBS) | Site to enter data | Site to enter data | Site to enter data |
| Celiac Disease | Site to enter data | Site to enter data | Site to enter data |
| **Integ** | Prolonged wound healing | Site to enter data | Site to enter data | Site to enter data |
| Wound dehiscence | Site to enter data | Site to enter data | Site to enter data |
| Easy bruising | Site to enter data | Site to enter data | Site to enter data |
| **Other** | Hernias: Location: | Site to enter data | Site to enter data | Site to enter data |
| Prolapse: [ ]  Uterine [ ]  Rectal [ ]  Intussusception | Site to enter data | Site to enter data | Site to enter data |
| Pneumo/Pneumohemothorax | Site to enter data | Site to enter data | Site to enter data |
| Dural Ectasia | Site to enter data | Site to enter data | Site to enter data |

## Physical Exam:

BP: ###/## HR: ## and regular

Ht: xx.x inches Arm Span: xx.x inches AS/Ht (Normal ≈1.0): xx.x inches

Lower Segment (Pubis to floor): xx.x inches Upper Segment (Ht - Lower Segment):xx.x inches

US/LS (Normal ≈ 1.0, Marfan’s < 0.8):

**Ocular:** [ ]  Normal [ ]  Blue/grey sclerae [ ]  Ptosis [ ]  Anti-mongoloid slant

**Hypertelorism:** **IC** (inner-canthal): x.x cm **OC** (outer-canthal): x.x cm **IP** (interpupillary): x.x cm

**Auricles (ear):** [ ]  Normal [ ]  Soft

Edge: [ ] Simple [ ]  Crumpled[ ]  Prominent [ ]  Cleft [ ]  Other:

**Hard Palate:** [ ]  Normal [ ]  High [ ]  Narrow [ ]  Torus

**Uvula:** [ ]  Normal [ ]  Bifid (Loeys-Dietz, Stickler)

**Dental:** [ ]  Normal [ ]  crowding [ ]  overbite [ ]  gingival recession

**Bruits:** Carotid –
Femoral –
Aortic (abdominal) –

**Skeletal:** [ ]  Pectus excavatum [ ]  Pectus carinatum [ ]  Pes Planus [ ]  Scoliosis
[ ]  Kyphosis [ ]  Straightened thoracic kyphosis
[ ]  Straightened thoraco-lumbar lordosis [ ]  Sacral dimple
[ ]  Other stigma:

**Thumb (grasp) sign:**

**R:** [ ] Neg. [ ]  Equiv. [ ]  Full phalanx **L:** [ ] Neg. [ ]  Equiv. [ ]  Full phalanx

**Wrist (encircle) sign:**

**R:** [ ] Neg. [ ]  Equiv. [ ]  Full phalanx **L:** [ ] Neg. [ ]  Equiv. [ ]  Full phalanx

**Skin:** [ ]  Soft [ ]  Hyperextensible [ ]  **Striae:** Location
Subcut. [ ] Spherules [ ]  Molluscoid pseudotumors [ ]  Piezogenic papules (heel) [ ] Lipomas [ ]  Bruising [ ]  Translucency
**Cyanosis:** [ ]  Feet [ ]  Hands

[ ]  Varicose veins [ ]  Chronic stasis [ ]  Edema

**Scars:** [ ]  Keloid [ ]  Cigarette paper: Location
[ ]  Other:

|  |
| --- |
| **Beighton Score** |
| Thumb to forearm  | [ ]  Right [ ]  Left |
| Bending little fingers back to 90° or more  | [ ]  Right [ ]  Left |
| Elbows hyperextend to 10° or more(i.e. bend backwards 10° or more in the wrong direction)  | [ ]  Right [ ]  Left |
| Knees hyperextend to 10° or more(i.e. bend backwards 10° or more in the wrong direction) | [ ]  Right [ ]  Left |
| Palms flat to floor with legs straight  | [ ]  Able [ ]  By history |
| TOTAL SCORE\* | Site to enter data |

For a total of 9 points, a score of 4 or more is indicative of hypermobility.

|  |
| --- |
| **HDCT Score** |
| **AxialSpinal** | TMJ dislocation/dysfunction | [ ]  Right [ ]  Left | /10 |
| Neck Rotation ≥90° | [ ]  Right [ ]  Left |
| Neck Extension ≥60° | [ ]  Able |
| Axial Loading (Pain) | [ ]  Positive |
| Cervical extraction (Relief) | [ ]  Positive |
| Torso Twist | [ ]  Right [ ]  Left |
| Palms flat to floor with legs straight | [ ]  Able [ ]  By history |
| **LargeJoints** | Backward handshake | [ ]  Right [ ]  Left | /10 |
| Elbow Hyperextension 10° or more | [ ]  Right [ ]  Left |
| Foot to ear | [ ]  Right [ ]  Left |
| Knee Hyperextension 10° or more | [ ]  Right [ ]  Left |
| Patellar shift (past midline) | [ ]  Right [ ]  Left |
| **SmallJoints** | Bending finger back (5th finger (MCP) ≥90° | [ ]  Right [ ]  Left | /10 |
| Finger twists | [ ]  Right [ ]  Left |
| Thumb to forearm | [ ]  Right [ ]  Left |
| Ankle extension to toe touch | [ ]  Right [ ]  Left |
| Pes planus | [ ]  Right [ ]  Left |
| **Total** | **/30** |

Tender Points (indicate those present): /18



**Comments:**

**Assessment:**

[ ]  **Hereditary Disorders of Connective Tissue Diagnoses\*:**

[ ]  Hypermobile EDS (type III – absence of skin features) “Benign joint hypermobility”

[ ]  Classical EDS (type I & II – skin features)

[ ]  EDS – mild classical vs. hypermobile (borderline skin findings)

[ ]  Marfan (AS/Ht > 1.05, pectus ab, aortic dil., dural ectasia, ectopia lentis)

[ ]  MASS phenotype (myopia, mitral valve prolapse, aortic dil., skin & skeletal features)

[ ]  Stickler Syndrome (collagen type 2 or 11, myopia, hearing loss, osteoarthritis, cleft palate)

[ ]  Loeys-Dietz Syndrome (hypertelorism, bifid uvula, aneurysms)

[ ]  Evidence of possible HDCT (Unknown/Unspecified)

[ ]  Associated conditions

[ ]  **Osteoarthritis/Degenerative Joint Disease\***

[ ]  **Acquired/Autoimmune Connective Tissue Disorders**

Including SLE, Rheumatoid arthritis, Sjogren’s Disease, Scleroderma, and Psoriatic arthritis

[ ]  **Fibromyalgia Syndrome**

**Comment:**

Examiner Signature

## Instructions

*Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module.*

Important note: None of the data elements included on this CRF are considered Core (i.e., strongly recommended for all studies to collect). These data elements are supplemental and supplemental – highly recommended (\*) and should be collected on clinical trials and only if the research team considers them appropriate for their study.