|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 dislocation  Other 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

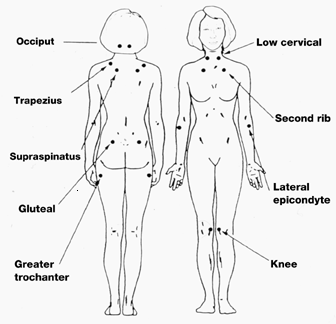
**Scars:**  Keloid  Cigarette paper: Location   
 Other:

|  |  |
| --- | --- |
| **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** | | | |
| **Axial Spinal** | 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 |
| **Large Joints** | 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 |
| **Small Joints** | 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.