CLINICAL EVALUATION FORM "FSHD with no D4Z4 contraction"					
- Last Name (initial) First Name (initial) - Birth date (month/year):/ Gender: F [- Primary residence:	Date of consult://				
Name of the physician specialized in neuromuscular disorders recruiting the patient: Center:	Office stamps of physician (including name)				
A. CIRCUMSTANCES AND To be complete	ELEMENTS C				
3. First symptom <u>according to patient</u> Asymptomatic patient	☐ Facial involver				
	Distal lower lin				
4. Family history: affected family members (several answers possible) □ None □ Mother □ Father □ Brothers □ Sisters □ Others: → GENEALOGICAL TREE: ○ = healthy woman; □ = healthy man; ● = affected woman; ■ = affected man □ a. Laboratory: □ Paris □ Marseille □ Other: □ Other: □ C. 4q35/ D4Z4: number of repeats: □ or ECORI					
	d. Mut	ment length: kb (from 10 to 38) ation in SMCHD1 gene: Yes No			
e. Methylation percentage: "Fsel % methylation"	%	Not done			
B. DIAGNOSIS COMPLEMENT Το Data unchan	be completed at				
 Other genetic tests: check the genetic tests that hav possible): 	e been perform	ned on your patient (several choices are			
2. □ Calpain-3 → Ro □ Dysferlin → Ro □ VCP → Ro □ FHL1 → Ro □ Others → Specify: → Ro → Ro → Ro	sults: negatives	ve			

3.	Other blood tests: check blood tests that have been performed on your patient (several choices are possible):
4.	\square CPT-II in leukocytes \rightarrow Results: \bigcirc negative \bigcirc pending \bigcirc not done
	\square Dried blood spot GAA testing (<i>Pompe disease</i>) \rightarrow <u>Results:</u> \bigcirc negative \bigcirc pending \bigcirc not done
	\square GAA in lymphocytes (<i>Pompe disease</i>) \rightarrow Results: \bigcirc negative \bigcirc pending \bigcirc not done
	Lowest CPK values: Year: x normal value
5.	EMG \square not done \square done \rightarrow Result: \square Normal \square Myogenic \square Neurogenic
Э.	
6.	Muscle biopsy: ☐ not done ☐ done ☐ done ☐ Date of the muscle biopsy: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
	Result: \square Normal (go to question #b) \underline{or} \square Abnormal, specify:
	a. Histology / Histochemistry: if the biopsy is abnormal, specify (several choices are possible):
	- Dystrophy → ☐ no ☐ yes
	- Necrosis → ☐ no ☐ yes
	- Inflammation \rightarrow \square no \square yes
	- Selective fiber atrophy — no
	- Fiber-type grouping → ☐ no ☐ yes
	- Vacuoles — no
	- Inclusions \rightarrow \square no \square yes
	- Ragged red fibers or COX-neg. fibers → □ no □ yes, specify number: = Others → Specify: =
5.	b. Immunohistochemistry: check the immunohistochemical analyzes done on the muscle biopsy (several choices are possible): DYS 1,2,3
	C. FOLLOW-UP DATA To be completed at inclusion AND follow-up
	☐ Data unchanged since last form
1.	Current civil status
	\square Single \square Separated \square Domestic partnership \square Civil union (PACS) \square Married \square Divorced \square Widowed
2.	Employment status
	☐ Employed ☐ Unemployed ☐ Retired ☐ Never employed ☐ Termination of employment, <i>check if due to FSHD</i> :☐
	□ Pupil / Student → Education level:
	→ Education environment:
3.	Biometric data 4. Handedness:
	Height cm / Weight kg

	D. MUSCU	LAR AND	FUNCTION	IAL EVAL	UATIONS	To be completed at inc	lusion <u>AND</u> follow-up
			Ш	Data unch	anged since	e last form	
1.	Facial involvement	Un- affected	Affected	Un- certain	2. т	ongue atrophy/weal	kness: No Yes
	Wrinkle forehead				3. v	Veakness of the scap	ula fixator muscles:
	Close eyes				4	oular winging:	□ No □ Yes
	Smile				1		
	Pucker lips				4. A	xial involvement:	∐ No ☐ Yes
	(mimic a kiss)				5. A	hilitu ta walk	□ No □ Yes
	Show teeth (platysma)) 5. A	bility to walk:	□ NO □ Yes
6	Functional autor	omv.			J		
7.	- Getting out of be - Getting up from Manual muscle t	ed: \square a chair: \square	without usi without usi	_	_	_	the help of someone the help of someone
	FACIAL INVOLV	EMENT				R	L
	Orbicularis oculi						
	Orbicularis oris						
	AXIAL INVOLVEN	ΛΕΝΤ					
	Neck flexor musc	cles					I
	Neck extensor m	uscles					
	Trunk flexor mus	cles					
	Trunk extensor n	nuscles					
	UPPER LIMBS					R	L
	Shoulder antepu	slion					
	Right scapular re	tropulsion (1	fixator)				
	Shoulder Abduct	ion: overall					
	Shoulder abducti	ion: deltoid :	muscle (the so	ranula is held	manually)		
	Forearm flexion (Trascic (the sc	ирин 13 пена	manaunyy		
	Forearm extension						
	Wrist flexion						
	Fingers flexion						
	Fingers extension	า					
	LOWER LIMBS					R	L
	Hip flexion (ilio-p	osoas)					
	Leg extension (qu	-					
	Leg flexion (hams						
	Foot dorsiflexion		erior)				
	Plantar flexion (t		•				
	Comments:	<u> </u>				Asymmetry:	□ No □ Yes

D. MUSCULAR AND FUNCTIONAL EVALUATIONS (continued) **8. Beevor's sign:** Movement of the navel towards the neck on flexing the neck (weakness of the lower abdominal muscles) Untested Absent Present: direction / direction / _____ cm / direction 9. Functional tests A. UPPER LIMBS Active elevation of arms (degrees) ° □ Not done **Brooke scale** ☐ Not done ___ / 6 (see appendix #1) **B. LOWER LIMBS** Timed 10-With assistance → Specify: _____ □ NA* ☐ Not done sec. meter walk test No assistance Four square With assistance → Specify: _____ sec. \square NA* ☐ Not done step test ■ No assistance Vignos scale ☐ Not done / 10 (see appendix #1) **C. CLINICAL SEVERITY SCORE** ☐ Not done / 10 (see appendix #2) **10. Reduced joint flexibility:** \square No \square Yes \rightarrow Specify: \square Shoulders \square Elbows \square Wrists \square Fingers \square Hips \square Knees \square Ankles \square Other, specify: **11.** Joint or muscle pain: No Yes If yes, specify: a. Date of onset (month / year): ____/___ b. Visual Analog Scale (VAS) on the day of consult: place a thin line perpendicular to the VAS line (done by the patient) No pain Extremely painful c. Pain management: ☐ None ☐ Stretching ☐ Massage \square Drugs \rightarrow specify: ____ \square Others \rightarrow specify: ____ E. THERAPEUTIC CARE ☐ Data unchanged since last form 1. Non-drug treatment: \square None \square Physical therapy → number of sessions /week: ____ \square Orthophony \rightarrow number of sessions / week: \square Scapular fixation surgery \rightarrow \bigcirc Right \bigcirc Left 2. Assistive device \square Cane $\rightarrow \square$ simple crutch □None ☐ tripod □Walker \square Manual wheelchair \rightarrow frequency of use: \square occasionally \square regularly \square exclusively ☐ Electric wheelchair → frequency of use: ☐ occasionally ☐ regularly ☐ exclusively Other, specify: ______

		F. CARI	DIAC INVOLVEMENT To be completed at inclusion AND follow-up		
	Data unchang	ed since last form	Not assessed ABSENCE PRESENCE * *please complete below		
1.	Age at onse	t: → □	Patient interview data or Follow-up data		
2.	2. Symptoms: □ Palpitations □ Syncopes, fainting □ Vertigo, dizziness □ Retrosternal pain □ No symptom but but abnormal exam □ Other, specify				
3.	Cardiac exa	ms (if done, specify for eac	th exam the month and the year):		
E	:CG	Done/	□ No anomaly □ Conduction block □ Arrhythmia □ Others, <i>specify</i> :		
ŀ	lolter test	□ Done / □ Not done	□ No anomaly □ Conduction block □ Arrhythmia □ Others, <i>specify</i> :		
			- <u>Left Ventricular Ejection Fraction</u> : %		
	cho- ardiography	□ Done / □ Not done	- <u>Cardiomyopathy</u> : □ No □ Yes → □ Dilated □ Hypertrophic □ Other: - <u>Other,</u> specify:		
4.	Diagnosis reta	ined:			
		G. RESPIRA	ATORY INVOLVEMENT To be completed at inclusion AND follow-up		
	Data unchang	ed since last form	Not assessed ABSENCE PRESENCE * *please complete below		
1.	Age at onse	t >	☐ Patient interview data or ☐ Follow-up data		
2.	Symptoms:	☐ Dyspnea on exertion	☐ Dyspnea at rest ☐ Orthopnea		
	☐ Daytime sleepiness ☐ Morning headaches ☐ Others, specify:				
3.	Concomitar	nt skeletal anomalies:			
	☐ Spine	e deformation	excavatum Other, specify: None		
4.	Exams (if do	ne, specify for each exam t	he month and the year):		
	PFT	□ Done / □ Not done	FVC sitting% FVC supine%		
	Blood gases at rest	Done/ Not Done	PO ₂ mmHg PCO ₂ mmHg Sat %		
	Polysomno graphy	□ Done / □ Not Done	Type of apnea: ☐ Obstructive ☐ Central ☐ Mixed Apnea index: per hour		
5.	Assisted ve	ntilation: ☐ No ☐ \	Yes → ☐ Invasive (tracheostomy) ☐ Non-invasive, nasal mask ☐ Intermittent, as required ☐ Intermittent, nocturnal		

French National Registry on FSHD H. OCULAR INVOLVEMENT To be completed at inclusion AND follow-up ☐ PRESENCE * ☐ Not assessed ☐ ABSENCE ☐ Data unchanged since last form *please complete below → □ Patient interview data ☐ Follow-up data or 1. Age at onset: **2. Diagnosis:** \square Vascular retinopathy \square Retinal Detachment \square Coats' disease ☐ Corneal ulcer Others, specify: **3.** Surgery: \square No \square Yes \rightarrow if yes, reason of surgery: $____$ I. AUDITORY INVOLVEMENT To be completed at inclusion AND follow-up ☐ PRESENCE* ☐ Data unchanged since last form ☐ Not assessed ☐ ABSENCE * please complete below ☐ Not done Year of last audiogram: → □ Patient interview data ☐ Follow-up data 1. Age at onset: ____ or □ No □ Yes 2. Hearing aid: J. GASTRO-INTESTINAL INVOLVEMENT To be completed at inclusion AND follow-up ☐ Data unchanged since last form ☐ Not assessed ☐ ABSENCE ☐ PRESENCE * *please complete below → Patient interview data ☐ Follow-up data 1. Age at onset: or ☐ Pulmonary aspiration → specify number of pulmonary aspirations: ______ / week 2. Symptoms: ☐ Dysphagia Other, specify: **3.** Endoscopic evaluation of swallowing: □ Not done □ done: Dysphagia detected ?: □ No □ Yes K. METABOLIC INVOLVEMENT To be completed at inclusion AND follow-up

☐ Not assessed

→ □ Patient interview data

3. Lipid-lowering treatment: \square No \square Yes \rightarrow specify name(s) and length of treatment(s):

☐ ABSENCE

or

Hypercholesterolemia Hypertriglyceridemia Other, *specify:*

Follow-up data

☐ PRESENCE *

*please complete below

☐ Data unchanged since last form

1. Age at onset:

2. Diagnosis:

L. ENDOCRINE INVOLVEMENT To be completed at inclusion <u>AND</u> follow-up						
☐ Data unchanged since last form ☐ Not assessed ☐ ABSENCE ☐ PRESENCE *						
*please complete below						
1. Age at onset: → □ Patient interview data or □ Follow-up data						
2. Type of disease:						
3. Hormone therapy: \square No \square Yes \rightarrow specify name(s) and length of treatment(s):						
4. Sexual hormone therapy: \square No \square Yes \rightarrow specify name(s) and length of treatment(s):						
FOR ALL FEMALE SUBJECTS						
\square Pre-puberty \square Puberty \square Pre-menopause \square Menopause $ o$ Age at menopause:						
- Contraceptive treatment: None Oral contraceptive Other, specify:						
- Pregnancy: Number of pregnancies (gestity): Number of children:						
M. TYPICAL AND ATYPICAL CHARACTERISTICS OF FSHD To be completed at inclusion AND follow-						
TYPICAL: at least 2 criteria in favor of a FSHD1 diagnosis AND 0 atypia criterion						
☐ WITH ATYPIA: at least 1 atypia criterion						
Check matching criteria						
CRITERIA IN FAVOR OF FSHD1						
□ Asymetry						
Facial involvement (orbicularis oculi or orbicularis oris)						
☐ Involvement of scapular fixator or tibialis anterior						
ATYPIA CRITERIA						
Ptosis, ophthalmoplegia or diplopia						
Cardiological or respiratory involvement in the foreground OR SNC involvement						
Predominant involvement at the proximal lower limb or distal upper limb level						
+						
EMG suggesting a neurogenic motor neuron disease or myotonia						
Muscle biopsy atypical or suggesting a muscle disorder						
Genetic diagnosis of another neuromuscular disorder confirmed						
Others:						

APPENDIX 1

BROOKE AND VIGNOS SCALES

UPPER LIMBS (Arms and shoulders)

- 1 Starting with arms at the sides, the patient can abduct the arms (kept extended) in a full circle until they touch above the head.
- **2** Can raise arms above head only with elbows flexed or by using accessory muscles.
- **3** Can raise hands to the mouth but cannot raise an 8-oz glass of water to the mouth (using both hands if necessary).
- **4** Can raise hands to the mouth but cannot raise an 8-oz glass of water to the mouth.
- **5** Cannot raise hands to the mouth but can use hands to hold a pen or pick up pennies from the table.
- **6** Cannot raise hands to the mouth and has no useful function of hands.

LOWER LIMBS

- 1 Walks and climbs stairs without assistance.
- 2 Walks and climbs stair with the aid of the railing.
- **3** Walks and climbs stairs slowly with the aid of the railing (over 12 seconds to climb four stairs).
- **4** Walks unassisted and rises from a chair but cannot climb stairs.
- **5** Walks unassisted but cannot rise from a chair or climb stairs.
- **6** Walks only with assistance or walks independently with long leg braces.
- **7**—Walks with long leg braces but requires assistance for balance.
- **8** Stands with long leg braces but unable to walk even with assistance
- 9 Wheelchair-bound.
- 10 Bedridden.

APPENDIX 2

CLINICAL SEVERITY SCORE

- **0** = No sign of muscle weakness.
- 1 = Facial weakness only.
- 2 = Mild scapular involvement without limitation of arm abduction; no awareness of disease symptoms is possible.
- **3** = Moderate involvement of scapular and arm muscles or both (arm abduction >60° and strength ≥3 in arm muscles); no involvement of pelvic and leg muscles.
- **4** = Severe scapular involvement (arm abduction <60° on at least one side); strength <3 in at least one muscular district of the arms; no involvement of pelvic and leg muscles.
- **5** = Tibioperoneal weakness; no weakness of pelvic and proximal leg muscles.
- **6** = Mild weakness of pelvic and proximal leg muscles or both (strength ≥4 in all these muscles); able to stand up from a chair without support.
- 7 = Moderate weakness of pelvic and proximal leg muscles or both (strength ≥3 in all these muscles); able to stand up from a chair with monolateral support.
- **8** = Severe weakness of pelvic and proximal leg muscles or both (strength <3 in at least one of these muscles); able to stand up from a chair with double support; unable to climb stairs; able to walk unaided.
- **9** = Unable to stand up from a chair; walking limited to several steps with support; may use wheelchair for most activities.
- 10 = Wheelchair-bound.