

Disclosures of interests

 Panelist in SymVein consensus document. (unrestricted research grant, Servier International)

Nos seules vérités, hommes, sont nos douleurs.

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Signs can be observed



Symptoms can only be told



Consequences of venous disorders:

- Signs, that can be observed by the physician (and the patient too):
 - ▶ Dilated veins, skin changes, edema, lipodermatosclerosis, ulcers ...
- Symptoms, which are solely felt and described by the patient, not the physician
 - aches and pains, throbbing, discomfort, heaviness, swelling, etc ...
- Aesthetic consequences, which can be observed by the physician and diversely considered/contemplated by the patient
- Disability
- Impairment of quality of life
- Complications
- Expenses
- Death

Why do we need to measure Venous symptoms?

- To evaluate the severity of the disease at all stages of its evolution
- ▶ To describe the effects of interventions : success or failure
- To validate the choice of interventions (including socio-economic value)
- Because the sole evaluation of signs is not sufficient
- Because symptoms are important to the patient!

Remember: whatever the reason, if the patient is not satisfied after the intervention(s) it is a failure.

Intervention can be any action undertaken (e.g. compression, sclero, drugs, surgery, rehab, etc...)

Why is it a difficult problem

- There is <u>no robust subrogate marker for venous disorders' severity</u> at grades CEAP 1-2-3 which are the most frequents (skin changes are better measured but only at CEAP 4-5-6 levels)
- So called venous symptoms may have another aetiology (spinal, muscular, metabolic, etc ...)
- Symptoms are the patient's own (not perceived by the physician), and can be the patient's main concern / or not
- Measuring symptoms is an empirical process using imperfect tools to appraise fuzzy feelings

Available approaches

- Reporting patient's complaints after interrogation/examination
 - Physician generated outcomes = the paternalistic old time approach, e.g.
 : typically the VCSS (Venous Clinical Severity Score)

- Measuring symptoms directly by means of VAS(Visual Analog Scales)
- Evaluating Quality of Life or any other item through self administered auto questionnaires (generic or specific)
 - Patient Reported Outcome Measures = PROMs

The patient is the final referee!

Is the CEAP classification of any help here?

- CEAP does not take into account symptoms much
- Only one descriptor in « C »: e.g.:
 - ► C1s, Ep, As, Pr for heavy legs with telangiectasias
 - C2346s, Es, Adp, Pro for a severe and painful post thrombotic ulcer
- But CEAP only classifies and does not measure

VCSS and physician assessed outcomes

- VCSS takes symptoms into account for a limited fraction of its total value:
 - Pain or other discomfort (ie, aching, heaviness, fatigue, soreness, burning)
 - From None = 0 to severe = 3
 - Out of 10 items = 3/30 points = 10% of the total
- VCSS value is evaluated and computed by the physician, it is under the influence of the Observer Expectancy Effect
- However, VCSS is somehow correlated to PROMs

VCSS 10 Items

Graded 0 to 3

Table 63.1 Venous Clinical Severity Score (from Rutherford et al.6)

Attribute	Absent = 0	Mild = 1	Moderate = 2	Severe = 3
Pain	None	Occasional, not restricting activity or requiring analgesics	Daily, moderate activity limitation, occasional analgesics	Daily, severely limits activities, regular use of analgesics
Varicose veins*	None	Few, scattered: branch varicose veins with. competent great saphenous/small saphenous	Multiple: single-segment great saphenous/small saphenous reflux	Extensive: multisegment great saphenous/small saphenous reflux
Venoust edema	None	Evening ankle edema only	Afternoon edema above ankle	Morning edema above ankle requiring activity change, elevation
Skin pigmentation	None or focal, low intensity (tan)	Diffuse, but limited in area and old (brown)	Diffuse over gaiter distribution (lower third) or recent pigmentation (purple)	Wider distribution (above lower third) and recent pigmentation
Inflammation	None	Mild cellulitis, limited or marginal area around ulcer	Moderate cellulitis, involves most of gaiter area	Severe cellulitis (lower third or above) or venous eczema
Induration	None	Focal, circummalleolar (< 5 cm)	Medial or lateral, less than lower third	Entire lower third or more
Total no. ulcers‡	0	1	2-4	> 4
Active ulceration, duration	None	< 3 months	> 3 months, < 1 year	Not healed > 1 year
Active ulcer, size	None	< 2 cm diameter	2-4 cm diameter	> 4 cm diameter
Compressive therapy¶	Not used or not compliant	Intermittent use of stockings	Wears elastic stockings most days	Full compliance stockings + elevation

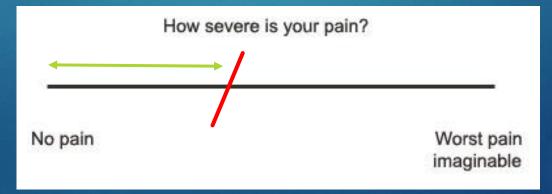
^{*}To assure differentiation between C1 and C2, "varicose" veins must be > 4 mm diameter to qualify for C2. Occasional or mild edema and focal pigmentation over varicose veins does not qualify for C3 or C4.

[†]Presumes venous origin by characteristics, e.g., brawny (not pitting or spongy) edema, with significant effect of standing/limb elevation and/or other clinical evidence of venous etiology, i.e., varicose veins, history of deep vein thrombosis. Edema must be a regular finding, e.g., daily occurrence. †Total number equals active *and* healed.

[¶]Sliding scale to adjust for background differences in use of compressive therapy.

Direct measurement of symptoms

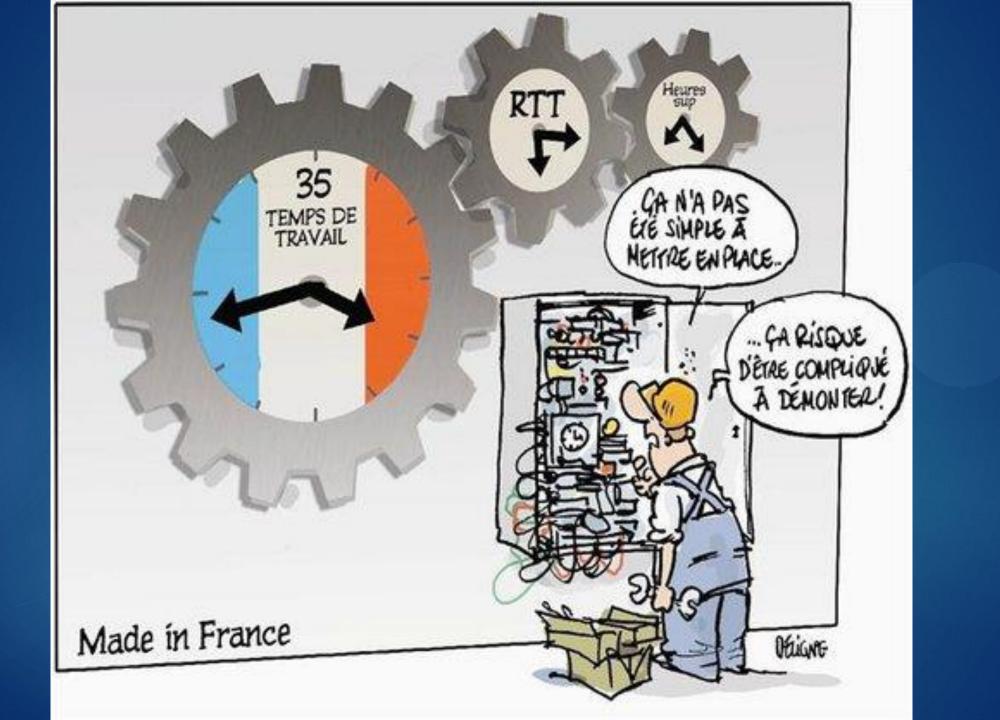
- By the physician: it underestimates actual pain (Tait, Chibnal. 1997)
- By means of painkiller intake count: it does not prove satisfactory (Moquet, ANAES 1999)
- Is usually done by the patient himself with Visual Analog Scale. Although 15% of patients are unable to use them (Jensen 1996)
- A VAS is constituted of a 100 mm line with one extremity indicating NO PAIN, the othe WORST IMAGINABLE PAIN, the patient draws a mark on the line, the value is measured in mm from No pain



When to measure

In similar conditions of time, temperature, occupation





Relevance

- Necessary to the construction of a protocol
- Not too many in the same RCT
- But VAS can be used for very specific items such as procedural pain, post-op pain, etc ...

Symptons scoring in QoL

- Both generic and specific QoL self administerd questionnaires take symptoms into account.
- ▶ Generic QoL still in use is Euroqol EQ 5D-5L, since it allows direct computation of QALYS for socio economic purposes.
- Frequently used Specific QoL questionnaires are:
 - CIVIQ, AVVQ, VEINES-QOL, SQOR-V

Your own health state today

By placing a tick in one box in each group below, please indicate which statement best describes your own health state today.

Do not tick more than one box in each group.

Mobility

I have no problems in walking about
I have some problems in walking about
I am confined to bed

Self-care

I have no problems with self-care
I have some problems washing and dressing myself
I am unable to wash and dress myself

Usual activities (eg. work, study, housework, family or leisure activities)

I have no problems with performing my usual activities
I have some problems with performing my usual activities

I am unable to perform my usual activities

Pain/discomfort

I have no pain or discomfort
I have moderate pain or discomfort
I have extreme pain or discomfort

Anxiety/depression

I am not anxious or depressed
I am moderately anxious or depressed
I am extremely anxious or depressed

Your own health state today

To help people say how good or bad a health state is, we have drawn a scale (rather like a thermometer) on which the best state you can imagine is marked 100 and the worst state you can imagine is marked 0.

We would like you to indicate on this scale how good or bad your own health is today, in your opinion. Please do this by drawing a line from the box below to whichever point on the scale indicates how good or bad your health state is.

Your own health state today

Best imaginable health state

100 Worst

Worst imaginable health state

Madame, Monsieur,

Nous cherchons à mieux connaître les conséquences de vos problèmes de jambes sur votre vie familiale ou professionnelle.

Vous trouverez ci-après un certain nombre de situations, de symptômes, de sensations ou de gênes que vous pouvez ou non éprouver, et qui peuvent rendre votre vie quotidienne plus ou moins difficile. Pour chaque situation, symptôme, sensation ou gêne énoncée, nous vous demandons de répondre à la question posée. Pour chaque question posée, 5 possibilités de réponses vous sont proposées. Nous vous remercions de répondre le plus spontanément possible.

Sexe : □ masculin □féminin Activité professionnelle □ □ qui □ non	Année de naissance :	⊒ ⊒ □ □ J oui ⊒ non
ACTIVITÉ PLOTESSIONNEILE - LA GALLA HON	si uni sianon decodi	a odi a non
Concernant vos problèmes de jambes,	pouvez-vous classer du plus préoccupant	t (1) au moins
préoccupant (5) les 5 items suivants :	Inconfort/gêne/ douleurs	
	Apparence / Aspect esthétique	
	Risque/menace pour votre santé	
	Restriction des mouvements / des activité	5
	Problèmes émotionnels	

Pour chacune de vos jambes et pour chaque symptôme, veuillez évaluer l'intensité ressentie :

 Φ si le symptôme n'est aucunement ressenti Φ si le symptôme est fortement ressenti Φ si le symptôme n'est que faiblement ressenti Φ si le symptôme est ressenti de façon extrême

() si le symptôme est moyennement ressenti

	jam	be g	auch	e	symptôme à évaluer	jambe droite				
1	(2)	(3)	4	(3)	Gêne globale	(1)	2	(3)	4	(3)
(1)	2	(3)	4	(3)	Douleur	1	2	(3)	4	(5)
(1)	2	(3)	4	(3)	Pesanteur ou lourdeur	1	(2)	(3)	4	(3)
(1)	2	(3)	((3)	Démangeaisons	(1)	2	(3)	(1)	(3)
(1)	2	(3)	(4)	(3)	Crampes nocturnes	1	2	(3)	4	(3)
(1)	(2)	(3)	((3)	Gonflement	(1)	(2)	(3)	(1)	(3)
(1)	2	(3)	4	(3)	Sensation de chaleur ou de brûlure	1	2	(3)	4	(3)
(1)	2	(3)	4	(3)	Picatements	1	(2)	(3)	4	(3)
1	2	(3)	4	(5)	Elancements ou sensation de lancements	1	2	(3)	4	(3)
(1)	2	(3)	4	(3)	Jambes sans repos au impatiences	(1)	(2)	(3)	4	(3)
(1)	(2)	(3)	(1)	(3)	Aggravation avec la chaleur (Amélioration avec le froid)	(1)	(2)	(3)	(1)	(5)

Pour chacune de vos jambes, leur apparence globale est elle affectée par vos problèmes veineux ?

Jo	ambe gauche	Jambe droite
(1	non	non ①
(2	oui un peu	oui un peu ②
(3	oui moyennement	oui moyennement ③
4	oui beaucoup	oui beaucoup ④
(5	oui extrêmement	oui extrêmement ⑤
	s problèmes veineux conditionnent-ils le choix de vos vêtemer) jamais ② rarement ③ souvent ④ habituellement ⑤ toujo	
	s problèmes veineux conditionnent-ils le choix de vos activité:) jamais ② rarement ③ souvent ④ habituellement ⑤ toujo	
	ns quelle mesure vos problèmes veineux ont-ils une influence : une des activités ne vous concerne pas, il vous suffit de cocher la case	

	Ne me concerne pas	Aucune influence	Faiblement	Moyennement ou modérément	Beaucoup ou fortement	Extrêmement
Restriction globale		1	2	3	4	(5)
au travail ou activité professionnelle		(1)	2	3	4	(5)
à la maison		1	2	3	4	(5)
sportives ou activités de loisirs		1	2	3	4)	(5)
station debout prolongée		①	2	3	4	(5)
position assise prolongée		(1)	2	3	4	(5)
lors de la marche		1	2	3	4	(3)
utilisation des escaliers		(1)	2	3	4	(5)
au cours du sommeil		①	2	3	4	(5)
activités sociales		1	2	3	4	(5)
relations intimes ou sexuelles		(1)	2	3	4)	(5)

A quel moment vos problèmes de jambes sont-ils les plus gênants, les plus pénibles ?

	Non	Oui un peu	Oui moyennement	Oui beaucoup	Oui extrêmement
Jour et nuit	1	2	3	4	(3)
Matin	1	2	3	4	3
Milieu de journée	(1)	2	3	4)	(5)
Soir	1	2	3	4	(5)
Au coucher	1	2	3	4	(5)

Jambe gauche Jambe droite (1) aggravation importante aggravation importante 2 aggravation modérée aggravation modérée ② 3 ni aggravation ni amélioration ni aggravation ni amélioration 3 amélioration modérée amélioration modérée 4 (5) amélioration importante amélioration importante (5) Evaluez les conséquences émotionnelles liées à votre problème veineux : Oui Oui Oui beaucoup extrêmement un peu movennement Conséquences émotionnelles globales 1 2 4 (3) (3) "A cause de mon problème veineux, je suis à cran" 2 (3) 4 (5) "A cause de mon problème veineux , je suis irritable" (3) 4 (5) "A cause de mon problème veineux j'ai l'impression 2 (3) (3) (4) d'être un fardeau pour les autres" De façon globale, vos problèmes veineux vous inquiètent-ils? ② oui un peu ③ oui moyennement ④ oui beaucoup ⑤ oui extrêmement La possible aggravation de votre maladie veineuse vous inquiète-t-elle ? ② oui un peu ③ oui moyennement ④ oui beaucoup ⑤ oui extrêmement La possible complication de votre maladie veineuse vous inquiète-t-elle ? 2 oui un peu 3 oui moyennement 4 oui beaucoup 5 oui extrêmement Le fait qu'un de vos proche souffre de maladie veineuse vous inquiète-t-il ? ② oui un peu ③ oui moyennement ④ oui beaucoup ⑤ oui extrêmement

Pour chacune de vos jambes, vos problèmes ont-ils évolué depuis l'année dernière ?



Conclusion

- Measuring symptoms is mandatory when evaluation of CVD is needed
- ▶ It must be done by patients themselves: PROMs
- PROMs are the ultimate outcome for health care interventions (Revicki 2007)

Whether we like it or not, the reign of the almighty doctor is over, patients decide if they are happy with the outcome or not.

