

**CIQ CEQ  
pour ROTEM / TEG**

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Congrès GEHT Grenoble  
7-9 octobre 2015

# **Questionnaire GEHT sur TEG / ROTEM GEHT Lille 2013**

- **13 réponses**
- **Appareils: 17 ROTEM  
7 TEG**
- **Questions diverses**
  - **Localisation de l'appareil, réalisation des tests**
  - **Champs d'exploration, arbres décisionnels**
  - **Nombre de tests, financement**
  - **CQ, habilitation du personnel**
  - **Maintenance**

# Questionnaire GEHT sur TEG / ROTEM GEHT Lille 2013

- **CQ interne: oui**

= fréquence des contrôles: 1 fois par semaine (6),  
tous les 15 jours (4), recos de la firme (2)

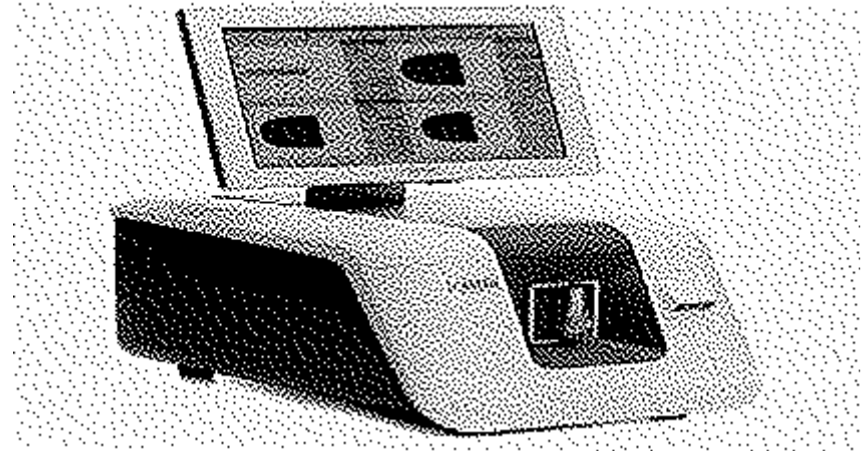
= dans les services cliniques, réalisation des CQ  
par laboratoire (4), service clinique (6)

service CQ POCT (1)

- **CQ externe: non**

# Mise en place CIQ / CEQ

- Démarche d'accréditation (biologie délocalisée)
- Acte RIHN E148 (acte innovant hors nomenclature): dossier d'évaluation de la technologie
- Commercialisation  
ROTEM sigma (TEM®)  
= automate TEG
- Mise en place d'une étude multicentrique IMOTEC



# CQ interne

## - Fréquence des contrôles:

toutes les semaines (TEM®), tous les 15 jours ?  
en alternance contrôle N / contrôle P ?

## - Paramètres à explorer: voie intrinsèque, extrinsèque, neutralisation héparine

ROTEM 4 voies: 2x2 ?

## - CIQ externalisés

- . même lot pour tous (date d'expiration relativement longue pour contrôles ROTEM)
- . qui centralise ?

# CQ externe

**Pas de CQ externe disponible en France**

**Contact pris avec Mr Piboubès (TEM®)**

**. UK NEQAS**

[www.ukneqasbc.org](http://www.ukneqasbc.org)

**. D INSTAND eV**

[www.instand-ev.de](http://www.instand-ev.de)

# CQ externe

- NEQAS

- 3 contrôles par an

- TEG / ROTEM

- Pour ROTEM, Intem/Extem et Intem/Heptem

- Tarif : 142 £ = 200 € (+ transport DHL)

- N = 31 (principalement UK)

- INSTAND

- 4 contrôles par an

- TEG / ROTEM

- Tarif: 180 €

# U.K. National External Quality Assessment Scheme for Blood Coagulation

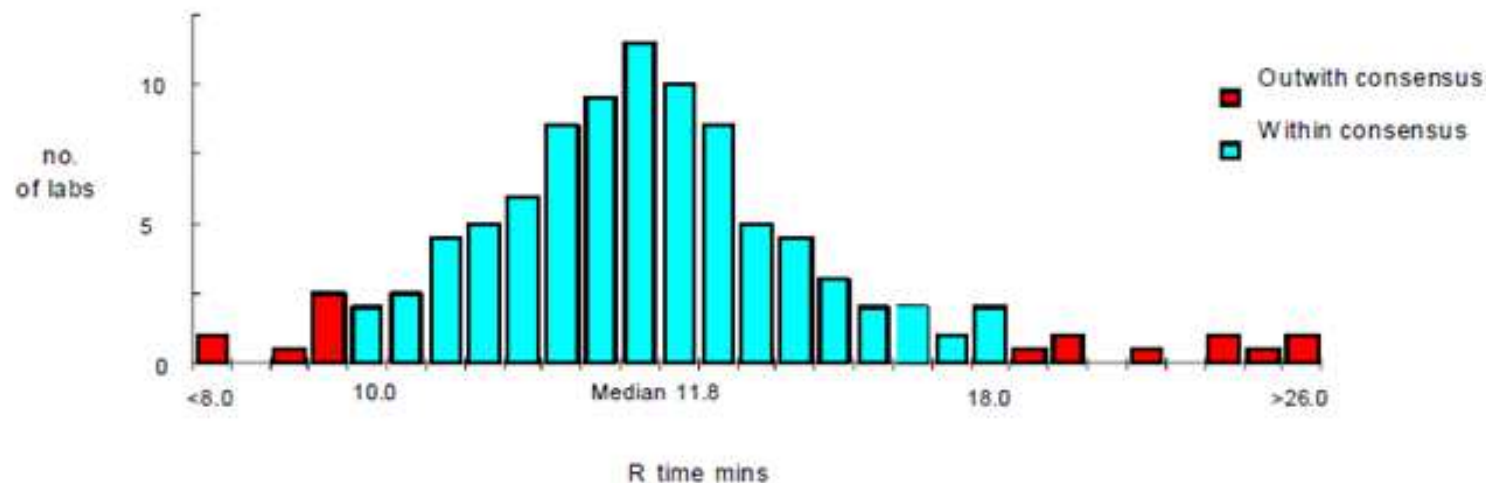
## Performance Analysis of ROTEM/TEG Testing

For the ROTEM, participants are asked to return results for the following:  
CT; Angle; CFT; A10; A20; and MCF at 30 minutes

For the TEG, participants are asked to return results for the following:  
R; Angle; K; MA at 30 minutes

Reports will show median results and ranges of reported results for each of these parameters. However, performance analysis will only be carried out on CT or R values respectively, as described below.

Survey results are analysed and a median (target) value determined. The results are arranged in order and a target range is calculated whereby the 20% of centres that are farthest away from the median (10% above and the 10% below) are considered to be outwith consensus. The centres within the target range are within consensus.







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*EQA for Thromboelastometry  
For Users of ROTEM Devices*  
**October 2014**

Dear Colleague

The attached report includes the results which your centre returned and a table showing **Median** values and their **percentage Coefficient of Variation (CV)**, together with the **range** of results returned. **Median** values are used in NEQAS surveys in preference to mean values because with mean values any outlying results can change the mean considerably.

The **Percentage CV** values indicate how precise the test is. The lower the CV, the more precise the test. The **Range** of results shows the spread of results returned by all participating centres.

As this is now a formal programme we have introduced performance analysis for the CT

One lyophilised samples was sent for testing. Samples were to be reconstituted in the diluent provided and then tested with INTEM and EXTEM reagents. Participants were asked to test for at least 30 minutes and record CT, CFT, Angle, A10, A15 and A30. Participants were also asked to provide interpretations of these results for the CT. Sample 1 was from a normal donor

In total 22 centres returned results. 1 centre had problems with the INTEM test and one centre could not return for the INTEM as they do not perform this in routine practice.

Results are shown in table 1

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**Sample TR14:01**

Table 1.	INTEM n=20				EXTEM n=22			
	Your results	Median	% CV	range	Your results	Median	% CV	range
CT secs	170	169	15.6	135-253	59	60.5	27.6	46-134
Performance for CT	Within consensus	-	-	-	Within consensus	-	-	-
CFT secs	35	26.5	22.6	22-50	30	25.5	39.7	18-56
Angle degrees	83	84.5	1.5	80-85	84	85	1.8	79-87
A10 mm	35	39	7.8	35-45	35	38	6.3	35-44
A15 mm	36	40	7.1	36-46	36	40	6.2	36-45
A30 mm	38	42	7.4	38-49	39	42	5.8	38-47

**Comments and Interpretations**

Samples were sent to 22 centres and all returned results although not all reported interpretation or results for all tests.

**Sample 1 INTEM CT** Your centre interpretation was **Normal**  
15/ 16reported normal results; 1/16 reported abnormal results  
4 centres did not state an interpretation

**EXTEM CT** Your centre interpretation was **Normal**  
14/17 reported normal results; 3/17 reported abnormal results  
6 centres did not state an interpretation