



UETMIS

*Unité d'évaluation des technologies
et des modes d'intervention en santé*

Structured HTA approach developed at the CHUQ for evidence-based decision making

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PLAN

- Objective
- Introduction
- HTA approach at the CHUQ
- Conclusions

OBJECTIVE

To present an approach to utilize systematic reviews in decision-making processes about the introduction of new (or existing) technology or clinical practice at the CHUQ

INTRODUCTION

- Health needs are increasing with demographic change
- Rapid growth of new medical technology
- Limited budget in health care system
- Balance between
 - ❖ Maximizing health services
 - ❖ Minimizing health risk
 - ❖ Containing cost in health services

INTRODUCTION (Cont'd)

- Need to support evidence-based decision making processes at the hospital level
- Health technology assessment (HTA) as a structural approach for multifaceted basis for decisions

INTRODUCTION (Cont'd)

CHUQ (Centre Hospitalier Universitaire de Québec)

- 3 health institutions
- 1074 beds and 32 000 inpatients/year
- 8600 staff (over 1000 physicians)
- Annual budget: over 600M\$

INTRODUCTION (Cont'd)

HTA Unit at CHUQ

- Established in 2005 to guide decision-making
 - ❖ Existing or new introduction of medical technology
 - ❖ Existing or new clinical practice

INTRODUCTION (Cont'd)

HTA Unit team

Medical coordinator (1)

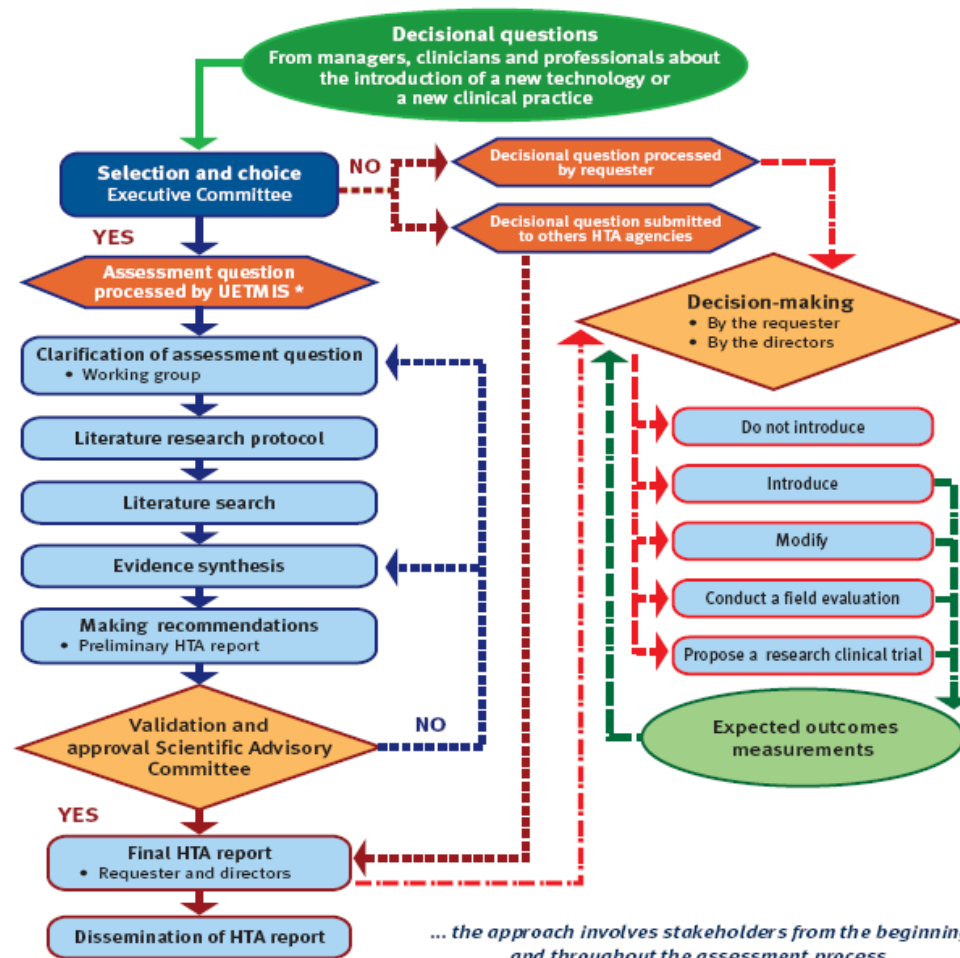
Clinical and administrative coordinator (1)

Research professional (2)

Executive secretary

HTA APPROACH AT THE CHUQ

HTA APPROACH AT THE CHUQ FOR EVIDENCE BASED DECISION-MAKING



DECISIONAL QUESTIONS

From managers, clinicians and professionals

- Assessment of needs regarding decision-making on medical technology and clinical practice
 - ❖ Controversial
 - ❖ Multifaceted question
 - ❖ Needs of neutral opinion
- Submit the question to HTA Unit on a standardized form

DECISIONAL QUESTIONS (Cont'd)

Standardized form is intended to capture information on:

- Brief description of technology or clinical practice
- Risks and benefits
- Difference with the existing technology or clinical practice
- Reasons to conduct an assessment
- Stage of technology development
- Anticipated additional costs or costs saving
- Time period to get the information

SELECTION AND CHOICE OF DECISIONAL QUESTIONS

Executive committee selects questions according criterias:

- Relevance
- Anticipated benefits
- Significant impact (e.g. ethical, financial, human resources)

SELECTION AND CHOICE OF DECISIONAL QUESTIONS (Cont'd)

At least, one question is selected in each group:

- ❖ managers
- ❖ clinicians
- ❖ professionals

ASSESSMENT QUESTIONS

- Processed by the HTA Unit team
- Set up of multidisciplinary working group
 - ❖ Clarification of the assessment questions
 - ❖ Identification of relevant literature and issues to assess
 - ❖ Participation in discussion regarding synthesis of studies

LITERATURE SEARCH PROTOCOL

- Methodological guide based on Cochrane methods groups of systematic reviews

http://www.chuq.gc.ca/NR/rdonlyres/C375B102-CD51-4D11-B4B8-54D18DA1FE2E/0/document_methodologie_recherche_documentaire_rapport_eva.pdf

- Inclusion and exclusion criterias for the research
- Formulation of search strategy

LITERATURE SEARCH PROTOCOL (Cont'd)

- Literature collected from a diversity of information sources
 - ❖ Systematic reviews
 - ❖ HTA reports
 - ❖ Original studies (RCTs, prospective)
 - ❖ Clinical guidelines
 - ❖ Expert opinion

LITERATURE SEARCH

- Two independent reviewers perform
 - ❖ Selection of studies
 - ❖ Quality assessment of studies
 - ❖ Data extraction
- Disagreement process

EVIDENCE SYNTHESIS

- Evidence synthesis and critical analysis of relevant information
 - ❖ Effectiveness
 - ❖ Safety
 - ❖ Costs
 - ❖ Impacts for the patient and the organization

MAKING RECOMMENDATIONS

- Recommendations

- ❖ Specifically applicable to the CHUQ context
- ❖ To support decision-making process

- Preliminary HTA report

APPROVAL OF THE HTA REPORT

Scientific advisory committee

■ Internal and external representatives

- ❖ Managers
- ❖ Clinicians
- ❖ Professionals
- ❖ Patients
- ❖ Scientists
- ❖ Provincial HTA Agency

APPROVAL OF THE HTA REPORT (Cont'd)

Scientific advisory committee

- Assessment process to evaluate:
 - ❖ Methodological rigor
 - ❖ Quality of the HTA report
- Approval of final HTA report

DECISION-MAKING


- Final HTA report submitted to the requester and CHUQ management committee
 - ❖ Introduce or not
 - ❖ Modify the practice
 - ❖ Conduct a field evaluation
 - ❖ Propose a clinical trial

DISSEMINATION OF HTA REPORT

- Web site
- Mailing list
- Community of practice in HTA
- Scientific meetings and conferences

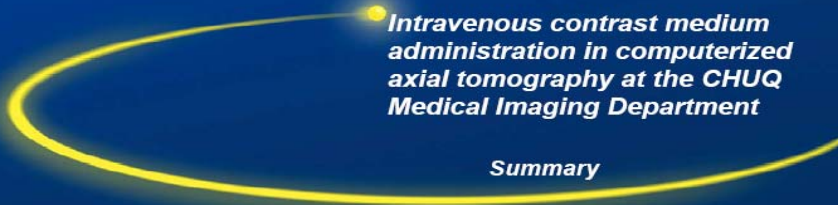
HTA REPORT: AN EXAMPLE


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**Intravenous contrast medium
administration in computerized
axial tomography at the CHUQ
Medical Imaging Department**

Summary




CENTRE HOSPITALIER
UNIVERSITAIRE DE QUÉBEC

ACTIVITIES SUMMARY

CHUQ - Évaluation_UETMIS_Réalisées_En cours - Microsoft Internet Explorer fourni par le C.H.U.Q.

Fichier Edition Affichage Favoris Outils ?

Précédente Recherche Favoris

Adresse <http://www.chuq.qc.ca/fr/evaluation/uetmis/evaluations> OK Liens

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Les services

Accueil > L'évaluation > L'Unité d'évaluation (UETMIS) > Évaluations réalisées et en cours

Évaluations réalisées et en cours

- Évaluations réalisées
 - [2008](#)
 - [2007](#)
 - [2006](#)
 - [Liste complète](#)
- Évaluations en cours
 - [Rapport annuel des activités](#)

Évaluations réalisées

2008
[L'utilisation des applicateurs gynécologiques « faits maison » en radio-oncologie au CHUQ](#), Note informative 03-08, Chantale Simard, UETMIS-CHUQ, 28 octobre 2008, 4 pages.

[L'homologation des marqueurs prostatiques de type grains d'or](#), Note informative 02-08, Chantale Simard, UETMIS-CHUQ, 15 octobre 2008, 4 pages.

[La cryothérapie à l'argon pour le soulagement des douleurs lombaires chroniques d'origine facettaire](#), Rapport d'évaluation 02-08, Marc Rhainds et Chantale Simard, UETMIS-CHUQ, 9 juin 2008, xvii-61 p.
[Sommaire](#) - [Résumé en français](#)

2007
[L'utilisation de l'accélérateur linéaire avec imagerie embarquée Cone-beam en radio-oncologie au CHUQ](#), Avis préliminaire 01-07, Viviane Cantin, Rita Labadie, Marc Rhainds, Chantale Simard, UETMIS-CHUQ, 27 novembre 2007, xv-93 p.

Mission
Partenaires
Gouvernance
Produits
Démarche d'évaluation
Outils
Évaluations réalisées et en cours
Sites à consulter
Pour joindre l'équipe

Internet

<http://www.chuq.qc.ca/fr/evaluation/uetmis/evaluations>

CONCLUSIONS

- Approach that involves stakeholders from the beginning and throughout the assessment process
- Contributes to promote the role of systematic reviews in informing decision-making processes
- Insures the scientific rigor in the selection and analysis of relevant information

CONCLUSIONS

- Provides credible, unbiased advice based on the best knowledge available to support managers, clinicians and professionals in healthcare decision-making
- Positive impact on quality of health service
- Contributes to the development of evidence-based good clinical practices

QUESTIONS ?