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CLINICAL PRACTICE GUIDELINES: DEVELOPMENT AND DISSEMINATION - LESSONS FROM PRACTICE

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KEY QUESTIONS

- How did we know about them?
- Who developed them?
- Why were they needed?
- How were they implemented?
- How are they evaluated?
- What difference have they made?



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WHAT ARE GUIDELINES?

‘systematically developed statements to assist practitioner and consumer decision about appropriate health or disability care for specific circumstances, taking into account evidence for effectiveness and competing claims, and form a fundamental basis for planning’

www.nzgg.org



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THE AIM OF GUIDELINES

The aim of guidelines is to guide decision and criteria regarding diagnosis, management and treatment in specific areas of healthcare.



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HOW GUIDELINES DIFFER FROM OTHER DEFINITIONS

- **Policy:** in simplest term policy defines an outcome while procedure defines the means to the end.
- **Recommendation:** put forward with approval as being suitable for a purpose or role. advise as a course of action. make appealing or desirable:
eg. *the hospital had much to recommend it.*
- **Standards of Care:** Must stand the test of time and be embraced by multiple diverse groups interested in the care delivered to patients with chronic wounds.
 - Eg. Compression therapy



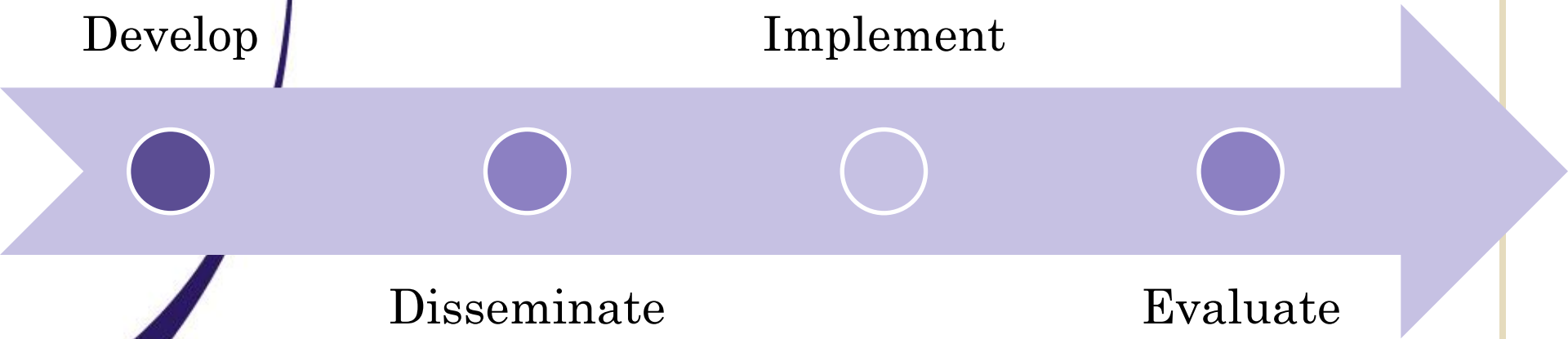
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Develop

Implement

Disseminate

Evaluate





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GUIDELINE DEVELOPMENT

- The more rigorous approach involves multidisciplinary teams representing various stakeholders and perspectives, who systematically locate and appraise research evidence, to produce explicit, evidence based guidelines.



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WHY DO WE NEED THEM?

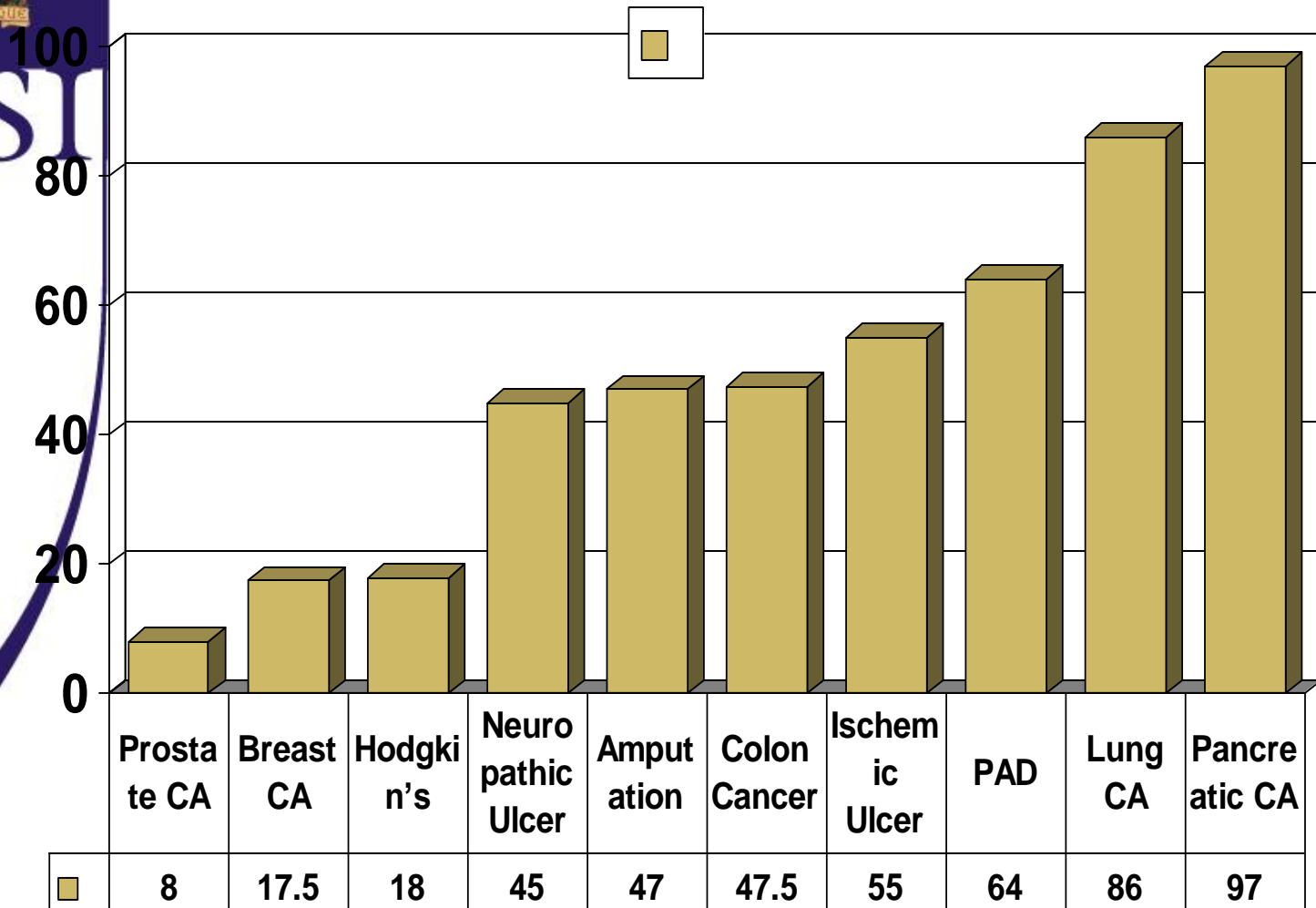
- Population in EU with DM 20.2 million
 - DFU Prevalence 5-7% 1.0 – 1.4m
 - Cost per episode €400,000-600,000
 - Annual Cost €4-6 billion

 - Adult Population in EU 414m
 - Pop > 65yrs 84 m
 - LU prev 0.12-0.32% 490,000-1.3m
 - Cost per episode €6,650
 - Annual Cost €6.5 billion (venous)
- How many are receiving appropriate care?***



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5-YEAR MORTALITY RATE





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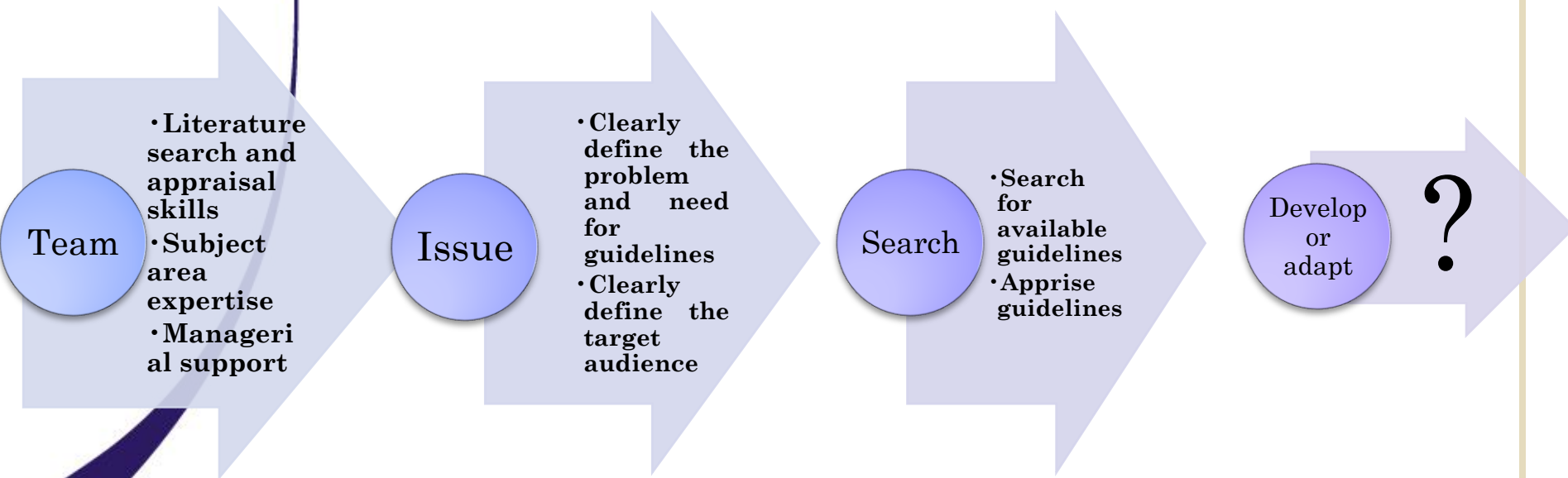
CURRENT WOUND CARE GUIDELINES AVAILABLE

- RCN
- NICE
- Guideline Clearing House
- HSE
- IWGDF
- EPUAP/NPUAP
- AWMA



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DEVELOPMENT PROCESS





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QUESTION FORMULATION

- What is the best practice for diagnosis and treatment of venous leg ulcers? www.nzgg.org
- Divide question using PECO or PICO(T).
- **P**atient: those with venous ulcers
- **E**xposure: which intervention, risk factor, disease or approach are we interested in
- **C**omparison: what is/are the main alternatives to compare with the exposure.
- **O**utcome: what is really important to the patient: healing, morbidity, mortality, work, health, cost.
- (**I**: Intervention).



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- Diagnosis question: what is best practice to diagnose venous ulcers
- Prognosis question: in patients with venous leg ulcers what are healing outcomes with/without intervention
- Therapy questions; what is best therapy? Should include compression, systemic, topical.



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AGREE – APPRAISAL OF GUIDELINES FOR RESEARCH AND EVALUATION

- www.agreecollaboration.org
- Developed in 2001. It assess both the quality of the reporting, and the quality of some aspects of recommendations. It provides an assessment of the likelihood that the guidelines will achieve their intended outcome.
- The assessment includes judgements about the methods used for developing the guidelines, the content of the final recommendations, and the factors linked to their uptake.
- Designed to assess new, existing or updates of existing guidelines



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- Consists of 23 key items organised in six domains.
 - Scope and purpose
 - Stakeholder involvement
 - Rigour of development
 - Clarity and presentation
 - Applicability
 - Editorial independence
- Each guideline should be assessed by at least two appraisers and preferably four.



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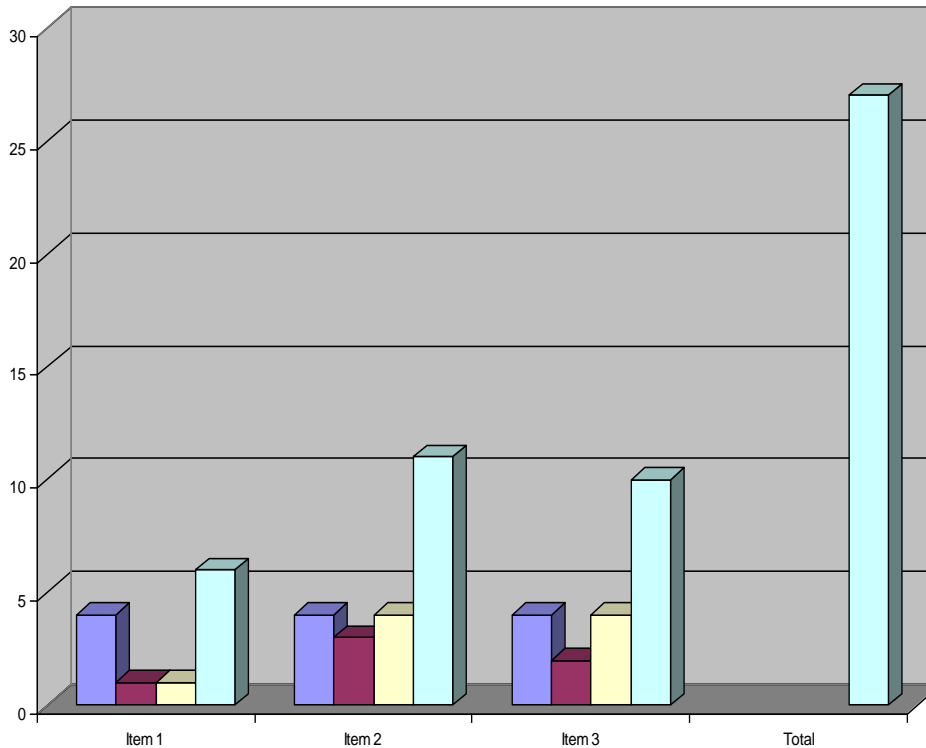
- Each item rated on a 4-point scale. The scale measures the extent to which a criterion has been fulfilled.
- Comment section
- Overall assessment



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SCOPE AND PURPOSE (RCN)

Highest possible score 36. Total score 27:- 75%



Comment:
Overall
objective(s)
were not clearly
stated.

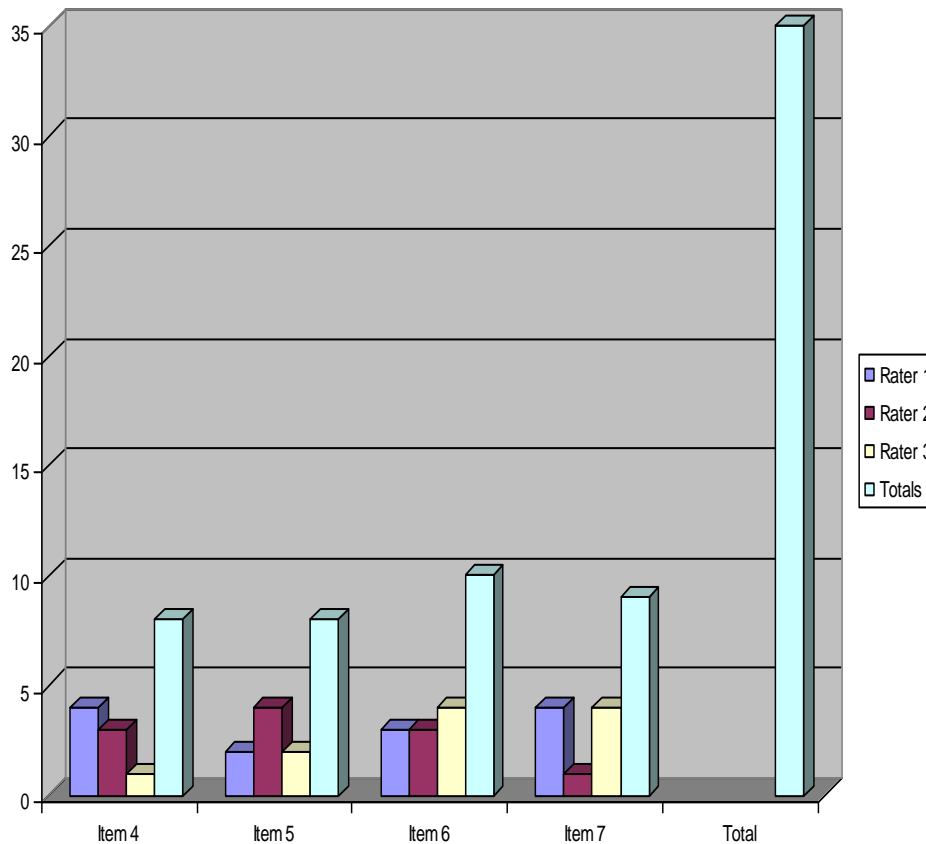


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STAKEHOLDER INVOLVEMENT (RCN)

HIGHEST POSSIBLE SCORE 48. TOTAL SCORE 35 : 72%

Score assigned



Comment:

Target group not clear. Seems to have been developed for nurses but alludes to involvement of multi-disciplinary team. No patient involvement.



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COMPARISON OF SCORES FOR THREE GUIDELINES

	RCN	Robson	WOCN
Scope and purpose	75%	83%	50%
Stakeholder involvement	72%	31%	43%
Rigour of development	87%	82%	35%
Clarity of Presentation	71%	56%	47%
Applicability	47%	42%	25%
Editorial independence	37%	63%	62%



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DISSEMINATION PLAN

- Who are the target group?
 - *Who will actually implement?*
- What communication networks are currently in place?
- How will you tell people?
- What formats will you have guidelines available in?
- What supports will be available?
- Are there key people / local champions?



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BARRIERS TO EFFECTIVE DISSEMINATION

- Knowledge
 - Of the topic
 - Of the guidelines
- Attitudes
 - Change
 - Development group
 - Validity of guidelines
- Behaviour
 - Will they require a change



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WHAT EFFECTS IMPLEMENTATION?

- Guideline Related
 - Quality of Guideline
 - Adoptability of the Guideline
 - Development Team
 - Knowledge of Target Group
- Dissemination strategy
- Knowledge of barriers
- Implementation strategy
- Organisational related
- Legislative related



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KEY QUESTIONS

- Who is the target audience?
- Who are the local champions?
- Are benefits clearly identified?
- Are there incentives available?



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EFFECTIVE **DISSEMINATION** STRATEGIES

- Consistently effective
 - Education outreach visits
 - Reminders
 - Interactive education meetings
 - Multi-faceted interventions
- Variable effectiveness
 - Audit and feedback
 - Local opinion leaders
 - Local consensus process
 - Patient-mediated interventions
- Little or no effect
 - Educational materials
 - Didactic education meetings



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FRAMEWORK FOR IMPLEMENTING GUIDELINES –GROL, 1992

Where/Level	Aim	Who?	How?
Central/National	Creating favourable conditions Infrastructure		
Local	Methods and Programmes Education Local arrangement		
Practice	Quality Improvement		
Individual	Education		



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GUIDELINES IN LEG ULCER MANAGEMENT

- RCN. www.rcn.org
 - Aimed specifically at nurses. Provides comprehensive, systematically reviewed statements of best practice in management of venous leg ulcers.
- US National Venous ulcer guidelines. Available at www.wocn.org
- SIGN guidelines. www.sign.ac.uk
- US, Wound Repair and Regeneration, 2008, 16, 147-150



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National best practice and evidence based guidelines for wound management



2009

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www.hse.ie/publications



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USEFUL RESOURCES

- www.nice.org.uk
- www.ncnm.ie
 - [Guidance on the Adaptation of Clinical Practice Guidelines: Getting Evidence into Practice](#)
- www.nzgg.org
- www.iwgdf.org
- www.wmaoi.ie
- <http://www.guideline.gov/>
 - Guideline Clearing House



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