

Создание и развитие центров GRADE на национальном уровне: опыт Китая

Yaolong Chen
Lanzhou University
December 2025

Trusted evidence.
Informed decisions.
Better health.





Financial

- None

Intellectual

- Professor, Evidence-Based Medicine Center of Lanzhou University
- Co-director, WHO Collaborating Centre for Guideline Implementation and Knowledge Translation
- Director, Cochrane Affiliate, Lanzhou University
- Director, Lanzhou University GRADE (the Grading of Recommendations, Assessment, Development and Evaluations) Center
- Co-founder, RIGHT (Reporting Items for Practice Guidelines in healthcare) working group



JCE China series



GRADE centers

McMaster University GRADE Center, Canada
Lanzhou University GRADE Center, China
Barcelona GRADE Center, Spain
Freiburg GRADE Center, Germany
American University of Beirut GRADE Center, Lebanon
Lazio Region-ASL Rome GRADE Center, Italy
JBI Adelaide GRADE Centre, Australia
Melbourne GRADE Centre, Australia
Nottingham Ningbo GRADE Center, China
Masaryk University GRADE Centre, Czechia
Krakow University GRADE Center, Poland
Minds Tokyo GRADE Center, Japan
NECA GRADE Center, Korea

GRADE networks

U.S. GRADE Network
Dutch GRADE Network
UK GRADE Network
South African GRADE Network
Colombia GRADE Network
South Korea GRADE Network



Journal of Clinical Epidemiology 140 (2021) 172–177



ORIGINAL ARTICLE

Clinical Epidemiology in China series. Paper 2: Promoting GRADE at the national level: The experience from China

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The most important activities and events of GRADE in China

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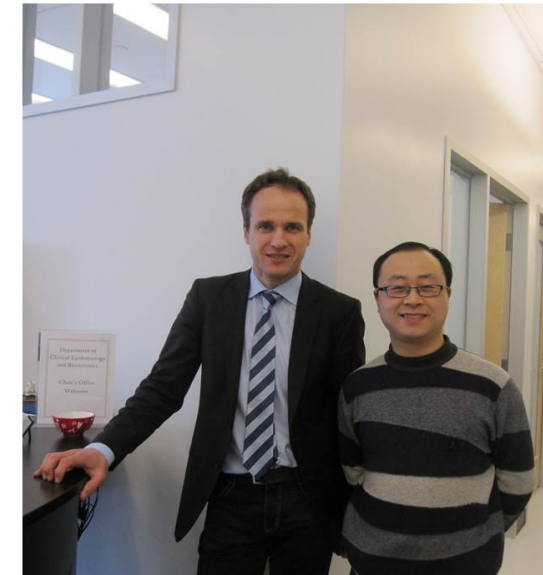
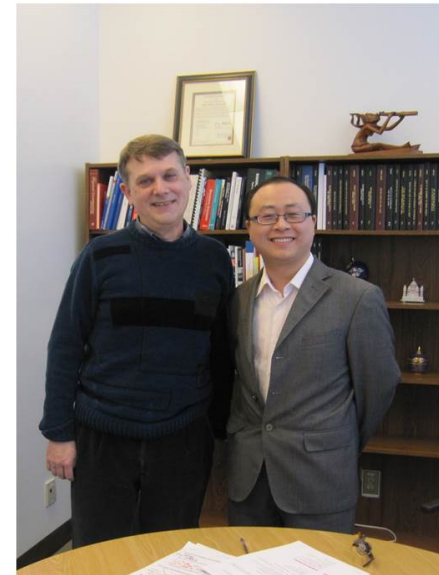
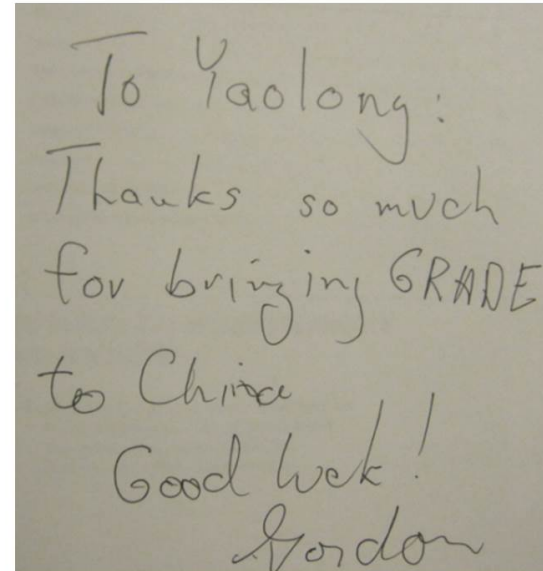
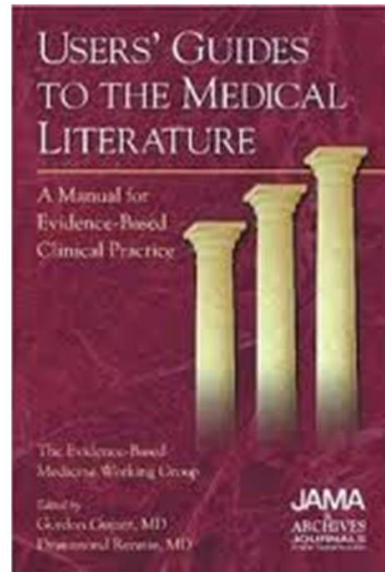
Y. Xun et al./Journal of Clinical Epidemiology 140 (2021) 172–177

Table 1. The most important activities and events of GRADE in China.

| Year | Key events |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2007 | The first article introducing GRADE was published in China [6] |
| 2009 | A series of articles on GRADE in the BMJ were translated into Chinese and published [7-12] |
| 2010 | The first scholar from China visited McMaster University to specialize in the GRADE system [13] |
| 2011 | Chinese GRADE Centre, later renamed as Lanzhou University GRADE Centre, was established [14,15] |
| 2012 | The first academic conference on GRADE in China was held [16] |
| 2013 | The first project with GRADE system as the theme was funded by the National Natural Science Foundation of China [17] |
| 2016 | The first guideline that used GRADE system appropriately and correctly was developed in China and was subsequently included into the National Guideline Clearinghouse (NGC) [18] |
| 2017 | The first book on GRADE in Chinese was published [19] |
| 2018 | Nottingham Ningbo GRADE Centre was established [20] |
| 2020 | Beijing GRADE Centre was established [21] |



From McMaster to Lanzhou





The first GRADE Center in China



GRADE working group

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What's new?

GRADE workshops

Applying GRADE to Coverage Decisions Meeting

Sponsored by the Agency for Healthcare Research and Quality (AHRQ), the GRADE Working Group in conjunction with the University of Florida is hosting a workshop on applying the GRADE framework for moving from evidence to recommendations to moving from evidence to health policy decisions about coverage.

This meeting will bring together representatives of key stakeholder organizations from the United States as well as other countries with GRADE members to discuss a rational and transparent framework to make coverage decisions. This meeting is held at the Sheraton Sand Hotel in Clearwater, Florida and will take place on April 3 – 4, 2012.

Funding for this conference was made possible by grant number R13HS019894 from the Agency for Healthcare Research and Quality (AHRQ). The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

Chinese GRADE center has been set up in Lanzhou

GRADE working group established the Chinese GRADE center on September 24, 2011. Professor Holger Schünemann, co-Chair of GRADE working group and Professor Xiaodong, Vice president of Lanzhou University unveiled the plaque for Chinese GRADE center. Lanzhou University is one of the key universities under the Ministry of Education, China. As an international organization, the GRADE working group is being devoted to make the GRADE approach to be accepted and used as widely as possible. More than 60 institutions and organizations have endorsed or are using GRADE. In order to further promote the development and dissemination of GRADE system, the GRADE working group approved the establishment of GRADE centers at the 2010 GRADE Working Group meeting in Keystone, USA. The group approved the establishment of the Chinese GRADE center in 2011 GRADE Working Group meeting in Seoul, Korea, and Madrid, 2011. The Chinese GRADE center is the second GRADE center in the world, and the first GRADE center in Asia. The missions of Chinese GRADE center include 1) introduce and disseminate GRADE system in China; 2) hold GRADE workshops regularly, train Chinese guideline developers and systematic reviewers and 3) translate GRADE work and GRADE software into Chinese and promote the implementation of GRADE system.



Hosting and facilitating GRADE conferences and workshops

In the past 14 years, more than 50 GRADE workshops and meetings have been held by GRADE centres in China, covering two-thirds of all provinces and autonomous regions of China. Since 2015, a GRADE workshop is routinely attached to the Chinese Medical Doctor Association Annual Conference on Evidence-based Medicine. Over 5,000 clinicians have participated in methodological training courses on GRADE and guideline development organized by the GRADE centres in China between 2011 and 2020.





Hosting and facilitating GRADE conferences and workshops



aihara.la.coccan.jp/?tag=chinese-grade

内科医のエビデンスに基づく医療情報 **GRADE** [HOME](#)

GRADE Working Groupメンバーの一人として、システマティックレビューや診療ガイドラインのためのGRADEシステムに関する情報を提供しています
EBMの基本は、EBMに関する国際的な教科書であるJAMA Users' Guides to the Medical Literature (2e)の翻訳本である「医学文献ユーザーズガイドに基づく診療のマニュアル第2版」を、そして、GRADEシステムに関しては、国内唯一の教科書である「診療ガイドラインのためのGRADEシステム」を参照ください。

Posts Tagged: 'Chinese GRADE'

Chinese GRADE center

2011年11月15日 Posted by aihara

アジアでは最初のGRADEセンターとなる、**Chinese GRADE center**が2011年9月に、Lanzhouに設立されました。

韓国ソウル、マドリッドにおけるGRADE working group会議で承認されたもので、GRADEのwebサイトでは、GRADEに関する中国語翻訳版がFAQを含めて公開されています。

- Chinese GRADE center has been set up in Lanzhou

以下は、GRADEのHpから：

The Chinese GRADE center is the second GRADE center in the world, and the first GRADE center in Asia. The missions of Chinese GRADE center include 1) introduce and disseminate GRADE system in China; 2) hold GRADE workshops regularly, train Chinese guideline developers and systematic reviewers and 3) translate GRADE work and GRADE software into Chinese and promote the implementation of GRADE system.

JAMA
医学文献
ユーザーズガイド
出版・最新書籍情報
JAMA 正誤表ダウンロード

**診療ガイドライン
のための
GRADEシステム**
出版・最新書籍情報
GRADE 正誤表ダウンロード

GRADE システム
<http://www.grade-jpn.com>
GRADE: Grading of Recommendations
Assessment, Development and Evaluation
GRADE システムの解説サイト

Online 2x2 解析



Hosting and facilitating GRADE conferences and workshops



← NECA GRADE Center
104 帖子

National
Evidence-based Healthcare
Collaborating
Agency



NECA GRADE Center
@NecaGrade

GRADE Center in South Korea, Seoul
National Evidence-based Healthcare Collaborating Agency



Application of the GRADE system

European Journal of Pediatrics
<https://doi.org/10.1007/s00431-022-04615-4>

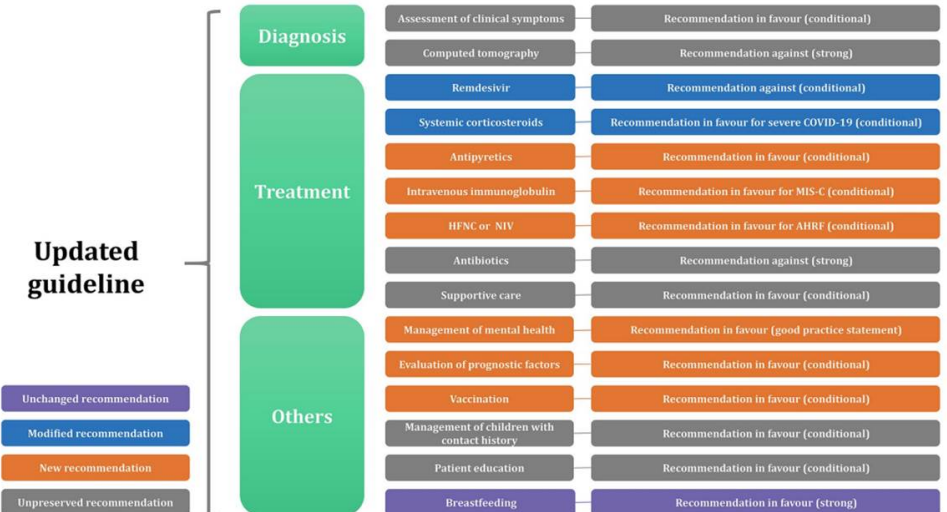
ORIGINAL ARTICLE



Guidelines for the prevention and management of children and adolescents with COVID-19

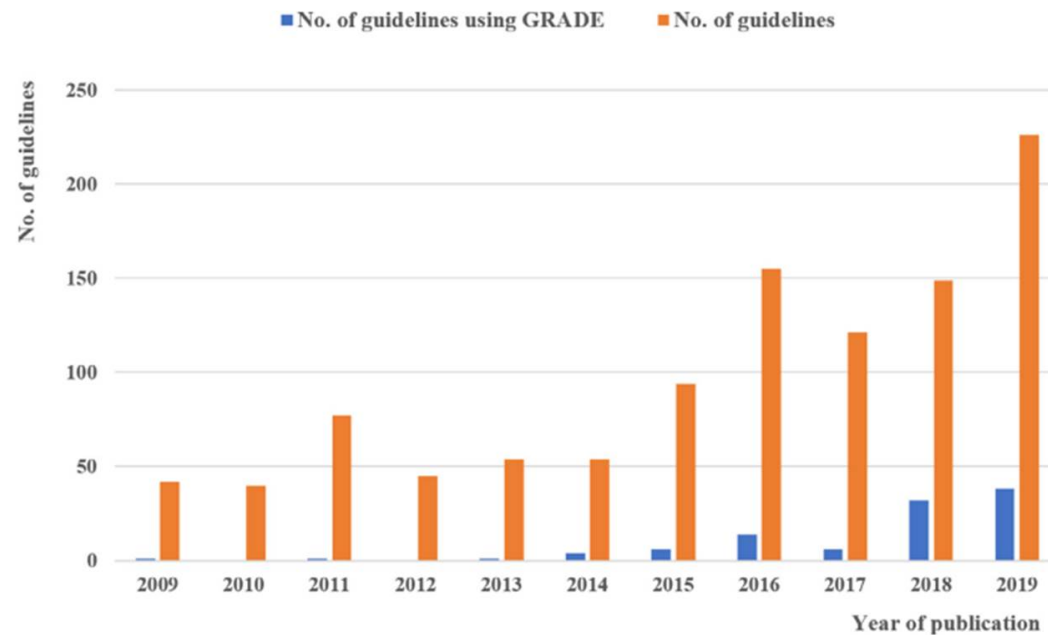
Enmei Liu¹ · Rosalind Louise Smyth^{2,3} · Qinyuan Li¹ · Amir Qaseem⁴ · Ivan D. Florez^{5,6,7} · Joseph L. Mathew⁸ · Yasser Sami Amer^{9,10,11,12} · Janne Estill¹³ · Quan Lu¹⁴ · Zhou Fu¹ · Xiaoxia Lu¹⁵ · Edwin Shih-Yen Chan^{16,17} · Jürgen Schwarze¹⁸ · Gary Wing-Kin Wong¹⁹ · Toshio Fukuoka^{20,21} · Hyeong Sik Ahn^{22,23,24,25} · Myeong Soo Lee^{26,27,28,29} · Detty Nurdianti³⁰ · Bin Cao^{31,60,61} · Wenwei Tu³² · Yuan Qian³³ · Shunying Zhao³⁴ · Xiaoyan Dong¹⁴ · Xiaoping Luo³⁵ · Zhimin Chen³⁶ · Guobao Li^{37,38} · Xiaobo Zhang³⁹ · Xiaodong Zhao^{40,41} · Hongmei Xu⁴² · Feng Xu⁴³ · Yuan Shi⁴⁴ · Ruiqiu Zhao⁴² · Yao Zhao⁴⁵ · Junqiang Lei⁴⁶ · Xianlan Zheng⁴⁷ · Mengshu Wang⁴⁶ · Shu Yang⁴⁸ · Xixi Feng⁴⁹ · Liqun Wu⁵⁰ · Zhihui He⁵¹ · Shihui Liu⁵² · Qi Wang^{53,54} · Yang Song⁵⁵ · Zhengxiu Luo¹ · Qi Zhou²⁹ · Gordon Guyatt⁵³ · Yaolong Chen^{29,56,57,58} · Qiu Li⁵⁹

European Journal of Pediatrics





Application of the GRADE system





GRADE-related studies and publications



Journal of Clinical Epidemiology 74 (2016) 73–79

Journal of
Clinical
Epidemiology

The quality of evidence in Chinese meta-analyses needs to be improved
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Abstract

Objectives: We conducted a systematic review using GRADE (Grading of Recommendations Assessment, Development and Evaluation) system to assess the quality of evidence of Chinese meta-analyses (MAs).

Design/Setting: A systematic review of MAs listed in Chinese Biomedicine Literature Database from January 2010 to December 2012.

Methods: Mesh term “meta-analysis” was used to search the Chinese Biomedicine Literature Database from January 2010 to December 2012. Characteristics and main outcomes of each included MA were extracted, and the GRADE system was used to assess the quality of evidence for each outcome. A 10% random sample of Cochrane MAs between 2010 and 2012 was also assessed as control group.

Results: A total of 564 Chinese MAs (including 1,237 main outcomes) and 95 Cochrane MAs (including 251 main outcomes) were identified. Almost half (600, 48.5%) of the outcomes in Chinese MAs were rated as low, and the proportion of outcomes with high or moderate quality of evidence was lower in Chinese MAs than Cochrane MAs (Chinese, 406 [32.8%] vs. Cochrane MAs, 155 [61.8%], $P < 0.001$). Of the outcomes in Chinese MAs, 1,012 (81.8%) were downgraded for risk of bias. Other common factors for downgrading were imprecision (448, 36.2%), publication bias (418, 33.8%), inconsistency (351, 28.4%), and indirectness (1, 0.1%).

Conclusions: Chinese MAs were of low quality of evidence. Risk of bias, inconsistency, and publication bias were the three most common downgrade factors in Chinese MAs. Efforts must be made to improve quality of evidence of Chinese MAs, and a call for more rigorous training of investigators in China is warranted. © 2016 Elsevier Inc. All rights reserved.

Keywords: GRADE; Meta-analysis (MA); Quality of evidence; Traditional Chinese medicine (TCM); Systematic review; TCM review; Cochrane review

International Orthopaedics (SICOT)
DOI 10.1007/s00264-012-1766-4

LETTER TO THE EDITOR

GRADE outcomes or studies: how to use the GRADE approach correctly?

Zhi Mao • Lihai Zhang • Yaolong Chen • Peifu Tang

Received: 8 November 2012 / Accepted: 20 December 2012
© Springer-Verlag Berlin Heidelberg 2013

Dear Editor,

We read with deep interest the article by Houwert et al. [1]. We appreciate the work of the authors on the systematic review related to the two major therapeutic choices for displaced mid-shaft clavicle fractures. However, we have some comments about the using of GRADE approach.

First, the GRADE approach defines the quality of a body of evidence for outcomes reported in systematic reviews [2, 3].

To summarise, the GRADE approach should be used for grading the quality of evidence for outcomes, but not included studies based on a systematic review. Nonetheless, the above points cannot lessen the overall value of this work and we thoroughly enjoyed reading the article with that in mind.



GRADE-related studies and publications



- Home
- Key dates
- Registration Information
- Scientific Programme
- Full schedule and sign-up
- Pre-Colloquium Workshops
- Stipends
- Prizes and Awards
- Posters
- Colloquium Venue
- Accommodation
- Social Events
- Auckland & more
- Contact

The Establishment Chinese GRADE center

Abstract text

Background:
The Grading of Recommendations Assessment, Development and Evaluation (short GRADE) Working Group began in the year 2000 as an informal collaboration of people with an interest in addressing the shortcomings of present grading systems in health care. The working group has developed a common, sensible and transparent approach to grading quality of evidence and strength of recommendations. Many international organizations have provided input into the development of the approach and have started using it.

Objectives:
To promote the dissemination, development and implementation of GRADE system in China.

Methods:
To set up center, provide training courses, give lectures and develop guidelines

Results:
GRADE working group established the Chinese GRADE center on September 24, 2011. Professor Holger Schünemann, co-Chair of GRADE working group unveiled the plaque for Chinese GRADE center, and gave two lectures The Development Of Evidence Based Medicine and How To Develop Evidence Based Guidelines. Chinese GRADE center also involved in the development of Evidence-Based Guideline for Hypoxic-Ischemic Encephalopathy in Term Infants (2011).

Conclusions:
The Chinese GRADE center is the second GRADE center in the world, and the first GRADE center in Asia. The missions of Chinese GRADE center include 1) introduce and disseminate GRADE system in China; 2) hold GRADE workshops regularly, train Chinese guideline developers and systematic reviewers and 3) translate GRADE work and GRADE software into Chinese and promote the implementation of GRADE system.

Authors

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Presenting author and contact person

| Presenting author: | | |
|--------------------------------------|------------------------------------------------------|---------|
| Yalong Chen | | |
| Contact person | Affiliation | Country |
| Yalong Chen (Contact this person) | Evidence-Based Medicine Center of Lanzhou University | China |

Date and Location

Session: Oral session C1703

Date:

Wednesday 3 October 2012 - 11:40 - 12:00

Location:

Regatta B and C

Poster presentations

P17 | The emergence and development of GRADE centers/networks around the world

Yalong CHEN¹, Yngve FALCK-YTTER², Craig WHITTINGTON³, Joerg MEERPOHL⁴, Pablo ALONSO⁵, Holger SCHÜNEMANN⁶

¹ Evidence Based Medicine Center of Lanzhou University, China

² Case Western University, USA

³ National Collaborating Centre for Mental Health, University College London, UK

⁴ Medical Center, University of Freiburg, Germany

⁵ Biomedical Research Institute, IIB-Sant Pau, Spain

⁶ McMaster University, Canada

Background: Over the last decade, there has been growing interest in the Grading of Recommendations Assessment, Development and Evaluation (short GRADE) approach. Many guideline developers and systematic reviewers increasingly demand training and guidance.

Objectives: To provide guidance and training in GRADE globally.

Methods: Through a process of feed-back and brainstorming the GRADE working group decided to set up GRADE methods centers to provide training and feed-back to guideline developers and users. A set of criteria was developed for organizations to become a GRADE center.

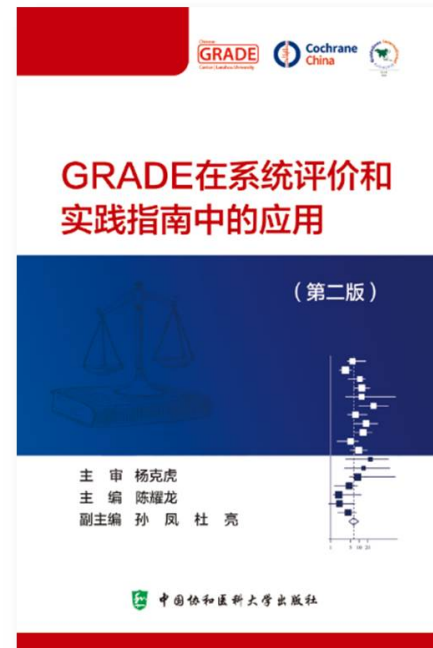
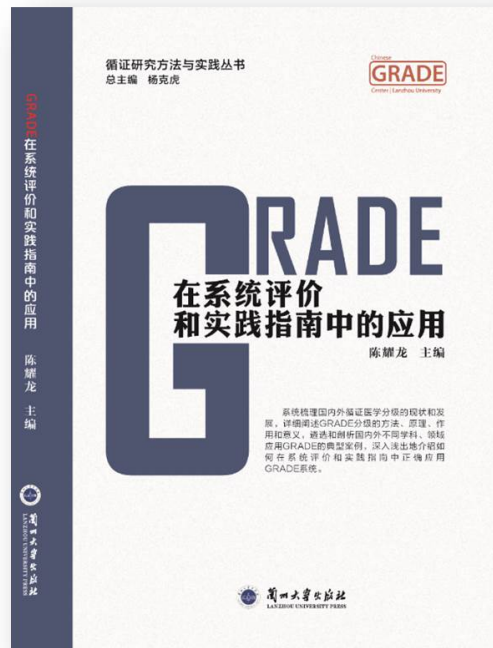
Results: Six GRADE centers/networks have been set up as of February 2014. The Canadian GRADE Center (McMaster University) in 2010; the Chinese GRADE Center (Lanzhou University) in 2011; the Spanish GRADE Center (Biomedical Research Institute, IIB-Sant Pau) in 2012; the German GRADE Center (University Medical Center Freiburg) and the UK GRADE Center (the National Collaborating Centre for Mental Health) in 2013; and in 2014 the United States GRADE Network (Case Western University).

Discussion: Based on the vision and mission of the GRADE working group, the entities developed the following short-term goals: 1. Web-based communication strategy, forums and symposiums of GRADE centers/networks 2. Collaboration within GRADE centers/networks and with other stakeholders to raise awareness 3. Training the trainers capacity building 4. Harmonizing training methods and workshop materials 5. Accelerating the translation and dissemination of the GRADE approach 6. Promoting the implementation of the GRADE approach.

Implications for guideline developers/users: Guideline developers and other users now have improved support from GRADE centers/networks at regional and national level.



GRADE-related studies and publications





Key Takeaways

- Visiting Scholars & Students
- Translation & Publications
- Workshops & Conferences
- Research & Practice




From Input to Output

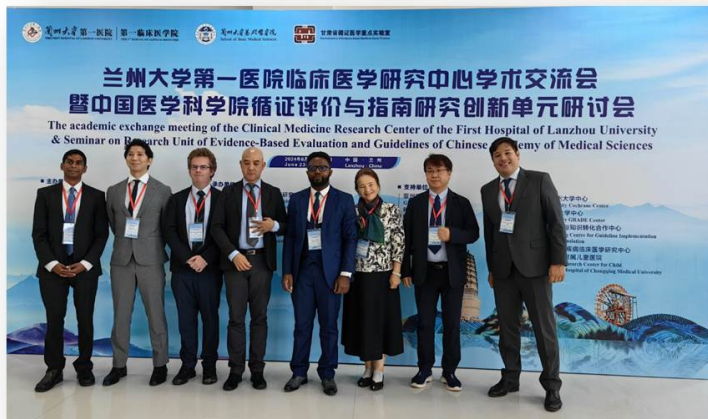


COMMENTARY **OPEN ACCESS**

Strengthening the Clinical Practice Guideline Ecosystem

Nan Yang¹ | Dong Roman Xu^{2,3,4} | Janne Estill^{1,5} | Yaolong Chen^{6,7} 







兰州大学
LANZHOU UNIVERSITY

GENE (Guideline Ecosystem Network)

**Better Evidence
Better Guidelines
Better Health**

Thank You

