

Increasing Clinical Effectiveness (ICE)

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Content



- **Introduction (5 min)**
- The Increasing Clinical Effectiveness (ICE) Award (10 min)
- Discussion on how IFCC can promote the ICE Award (5 min)
- A possible IFCC initiative on clinical effectiveness (5 min)
- Discussion on possible IFCC initiative (15 min)

Introduction -1



- Laboratory medicine specialists and their partners in the diagnostics industry have been successful in enabling high quality, low cost diagnostics.
- Whilst this achievement is commendable and generally good for patients there is a downside. Unthinking clinicians can use a ‘scattergun’ approach to investigation, which can result in:
 - A high percentage of unnecessary tests (over-diagnosis)
 - Perception that the laboratory is a ‘factory’ not a clinical specialty
 - Rising costs for the clinical laboratory
 - Challenges in introducing new, specialist, ‘high cost’ investigations

Introduction -2



- Today laboratory medicine specialists recognise the need for a more discriminatory and evidence-based approach:
 - Workload management (laboratory utilisation in some countries)
 - Education of clinicians on appropriate use of the laboratory
 - Initiatives to demonstrate the clinical effectiveness of appropriate laboratory investigations
- IFCC has committed to two clinical effectiveness projects:
 - Partners in the ICE Award
 - An IFCC-led initiative on a standard approach to demonstrating clinical effectiveness

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The ICE Award



An initiative of the Clinical Laboratory Management Association (CLMA) in collaboration with a number of partners – one of which is IFCC

ICE
INCREASING CLINICAL EFFECTIVENESS
Shifting Our Focus Beyond the Laboratory

CLMA*

ASCLS

THE DARK REPORT

IFCC
International Federation
of Clinical Chemistry
and Laboratory Medicine

The Joint Commission
Accreditation
Laboratory

OrchardSoftware
Harvest the Power

THE SOCIETY OF AMERICAN FEDERAL
MEDICAL LABORATORY SCIENTISTS
1971



- ICE has been launched to encourage laboratory medicine specialists to collaborate with clinical colleagues to demonstrate that optimal use of the laboratory can have a measurable positive impact on patient outcomes.
- ICE is open to any laboratory medicine specialist. He/she is invited to submit an abstract that describes testing-related interventions and the quantifiable positive impact for patients that they produced.



- Abstracts should be a maximum of 750 words and comprise:
 - Statement of problem and background (goal, context, rationale)
 - Intervention/study plan/measures (intervention choice, study design, measure appropriateness)
 - Data analysis and results (actual data, quality assessment of data, data Interpretation, limitations, findings)
 - Discussion and lessons learned (conclusions, generalizability, implications for others)
- Information and advice available from www.clma.org/ICE



- Abstracts are scored according to a published scoresheet by independent experts
- All abstracts that meet minimum requirements are invited to display posters at a relevant scientific congress
- The winning abstract(s) are presented as oral communications at a relevant scientific congress. Speaker benefits are provided.



- ICE Award 2015/16 – closing date 11 December 2015
 - 23 abstracts from 8 countries
 - US 9; UK 5; Italy 2; Turkey 2; Ethiopia 2; Canada 1; India 1; Uganda 1
 - Assessed by 8 experts
 - 13 met minimum requirements
 - 3 winners identified



- ICE Award Winners 2015/16
 - “High sensitivity cardiac troponin I enables early, safe discharge of patients”. Royal Wolverhampton NHS Trust, UK (Clare Ford)
 - “Improving stat ‘Protime’ turnaround to improve emergency department patient throughput”. Kaiser Permanente South Sacramento Medical Center, US (Susan Traub)
 - “Gene Expert MTB/RIF assay for the diagnosis for smear negative pulmonary tuberculosis”. Jimma University, Jimma, Ethiopia (Mulualem Tadesse)
- Presentations will be made at CLMA ‘Knowledge Lab 2016’
 - March 20 -23 in Orlando, Florida



- ICE Award 2016/17
 - Abstract submission will open June 2016
 - Abstract submission will close mid-November 2016
 - Winners will be announced in January 2017
- Presentations of two winners will be made at EuroMedLab Athens 2017 as part of an IFCC symposium on 'Increasing Clinical Effectiveness'
- NOW is a good time to be promoting the Award

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How can IFCC promote the ICE Award?



- Article on 2015/16 Award in IFCC e-News - April
- Announcement of abstract submission opening date:
 - IFCC News – June
 - Letter to IFCC National representatives – June
- Other suggestions – discuss!

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Possible IFCC Clinical Effectiveness Project

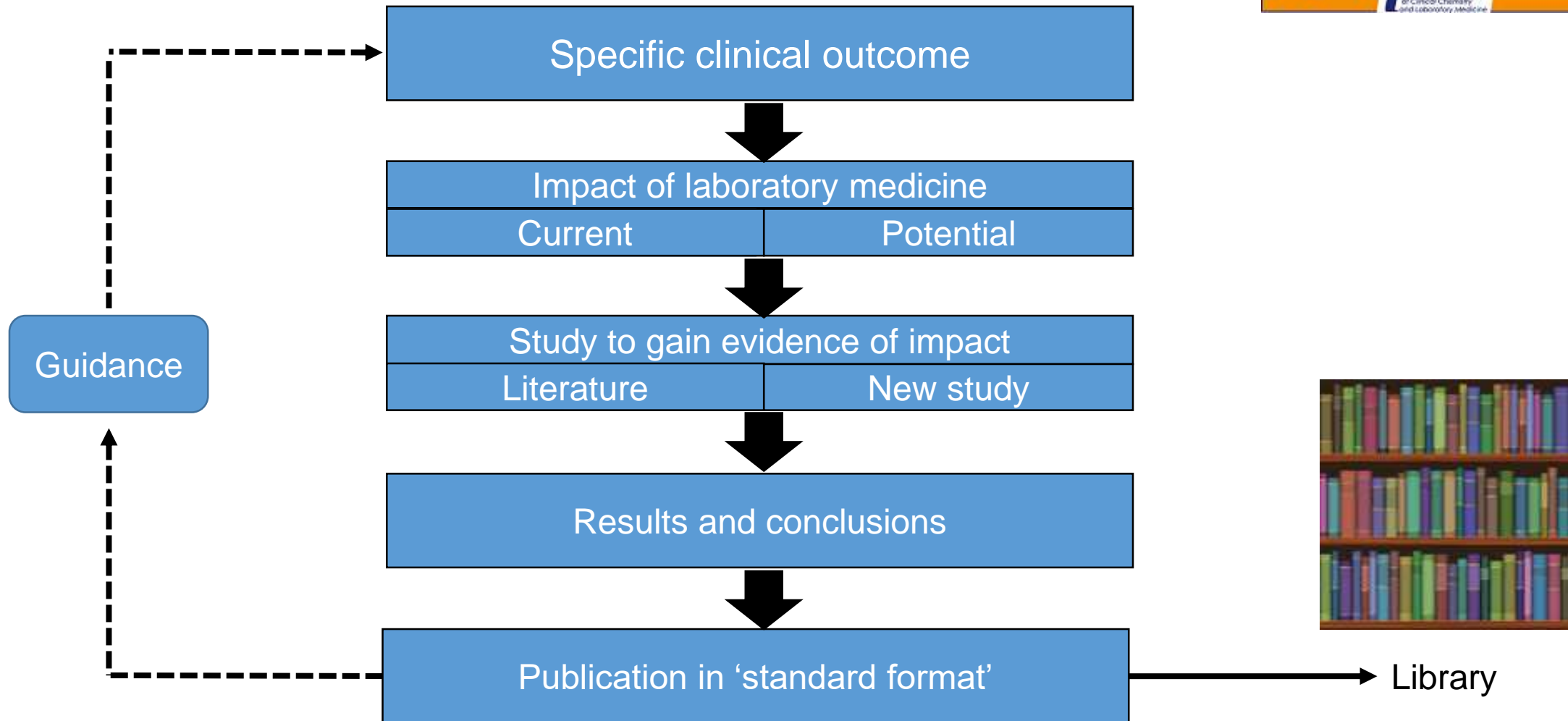


- Concept: 'A growing clinical effectiveness library'

Clinical effectiveness
of laboratory medicine



Clinical effectiveness library: Concept



Steps to a clinical effectiveness library

- Recruit volunteers interested in project
 - Identify a project lead
 - Identify facilitators and authors
- Prepare a 'how to' guide
 - Standard format for performing and reporting studies
 - Starting point is a single, measurable, clinical outcome
 - End point is an article (? & webinar) in standard format
- Decide where library should be based
- Obtain resources for short- and long-term needs



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Clinical effectiveness library: Discussion



- What do you think of the concept?
 - How would you improve it?
- How do we identify interested people?
- What are the key components of the 'how to' guide?
- Where should we publish?
- What resources are needed:
 - Short term?
 - Long term ?
- Other comments?