

Problems Facing Graduates And Students



2013/4/20

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PhD student of Medical Genetics

Problems facing graduates and students

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- Educational
- Job opportunity

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Medical/Clinical laboratory technical supervisor

Monopolization in the regulations?

Suspension of Doctorate in Clinical Laboratory
Science(DCLS)

USA standards of technical supervisor

Clinical Laboratory Improvement Amendments (CLIA)

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Laboratory*	Technical supervisor	Qualification
Anatomic and clinical laboratory	Pathologist	Certified in both anatomic and clinical pathology
Clinical laboratory	MD, PhD	1 year, training or experience (specialty) 6 months experience (subspecialty)
Clinical laboratory	MSc	2 year, training or experience (specialty) 6 months experience (subspecialty)
Clinical laboratory	BS	4 year, training or experience (specialty) 6 months experience (subspecialty)

*Except histocompatibility and clinical cytogenetics

USA standards of technical supervisor

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<http://wwwn.cdc.gov/clia/regs/toc.aspx>

Clinical laboratories establishing and administering regulation(Iran)

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فصل هفتم (مسئول فنی):

ماده ۲۱ - مسئول فنی باید دارای یکی از مدارک زیر باشد:

۱- دکترای تخصصی آسیب شناسی بالینی یا تشریحی(یا هر دو)

۲-دکترای تخصصی علوم آزمایشگاهی

۳-دکترای حرفه ای علوم آزمایشگاهی

۴-دکتری تخصصی تک رشته ای علوم آزمایشگاهی (در بخش مربوطه)

تبصره ۱- آزمایشگاه صرفا آزمایشاتی را می تواند انجام دهد که مسئول فنی مربوطه را داشته باشد .

تبصره ۲-متخصصین تک رشته ای تنها مسئولیت فنی آزمایشگاهی را می توانند بپذیرند که در همان رشته فعالیت می نمایند. در صورتیکه متخصصان تک رشته ای بخواهند مسئولیت فنی آزمایشگاه تشخیص پزشکی را بپذیرند لازم است چهار نفر از چهار رشته همزمان معرفی شوند.

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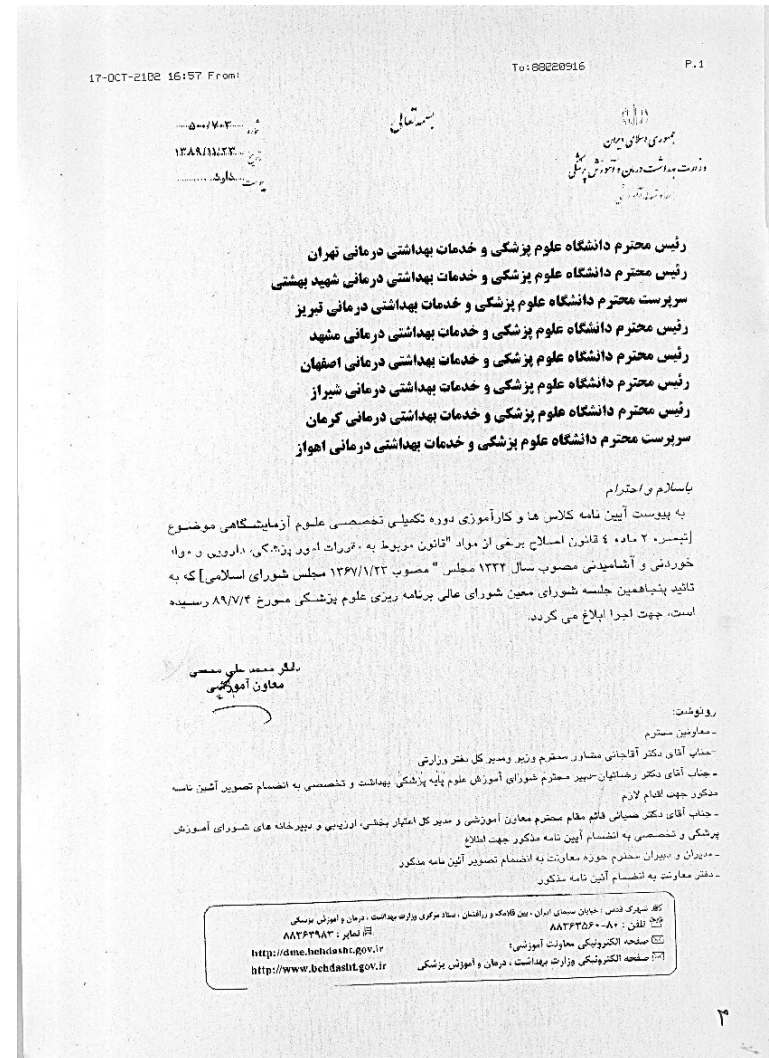
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Iranian Scientific Association of Clinical Laboratory(ISACL)

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Notification of regulation to Universities 1389/11/23

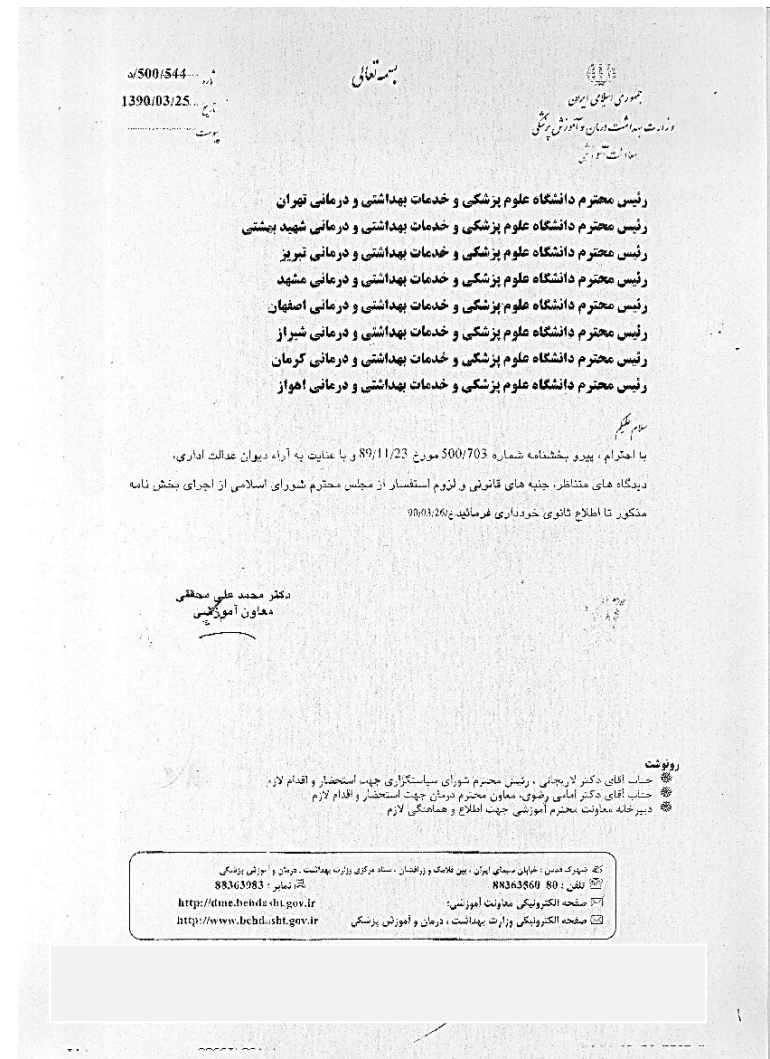


Iranian Scientific Association of Clinical Laboratory(ISACL)

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Suspension of regulation
1390/3/25

Why?



Australia standards of technical supervisor

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➤ General laboratory

is under the direction, control and full-time supervision of a supervising pathologist or senior scientist

❑ Pathologist

❑ **Senior scientist:** a scientist with less than 10 years full-time relevant laboratory experience and be

- ❑ A Doctorate of Philosophy in a subject relevant to the field of pathology
- ❑ a Fellowship of the Australasian Association of Clinical Biochemists
- ❑ a Fellowship of the Australian Institute of Medical Scientists
- ❑ a Fellowship of the Australian Society for Microbiology (medical/clinical microbiology)
- ❑ a Fellowship of the Human Genetics Society of Australasia

Australia

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- The National Pathology Accreditation Advisory Council (NPAAC) is responsible for the development and maintenance of standards and guidelines
- National Association of Testing Authorities, Australia (NATA) provides assessment, accreditation and training services to laboratories and technical facilities

Requirements for the supervision of pathology laboratories	2007 Edition	In act
Draft of Requirements for the supervision of medical pathology laboratories	2010	
Draft of Requirements for the supervision of medical pathology laboratories	2012	

Is this logical?!

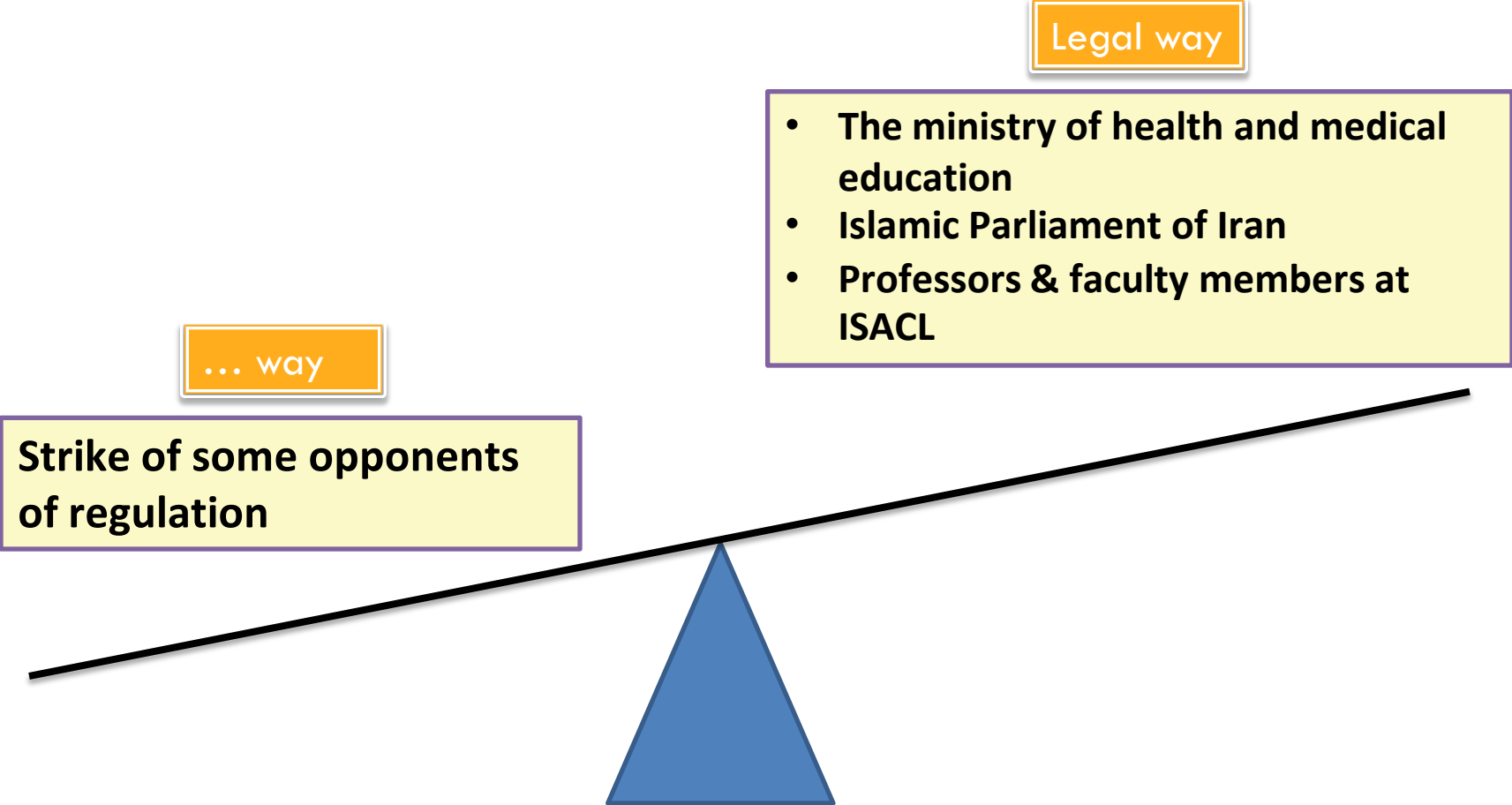
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Legal way

- The ministry of health and medical education
- Islamic Parliament of Iran
- Professors & faculty members at ISACL

... way

Strike of some opponents
of regulation



- Whether a specialist of one field, have competence or have enough time to handle, all different sectors of clinical laboratory?

Definitely: NO

- At 2011, Doctorate in Clinical Laboratory Science (DCLS), the first advanced practice doctorate in CLS offered in the USA

Summary

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□ **Every field has own world,**

let us not limit each others world

This is the key of success.

