

PORTUGUESE AUTOIMMUNITY LABORATORY SURVEY

EASI Portugal – May, 8th, 2010

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7th INTERNATIONAL CONGRESS ON
AUTOIMMUNITY
LJUBLJANA, SLOVENIA
MAY 5 - 9, 2010

UP TO
24 HOURS OF
CME CREDITS

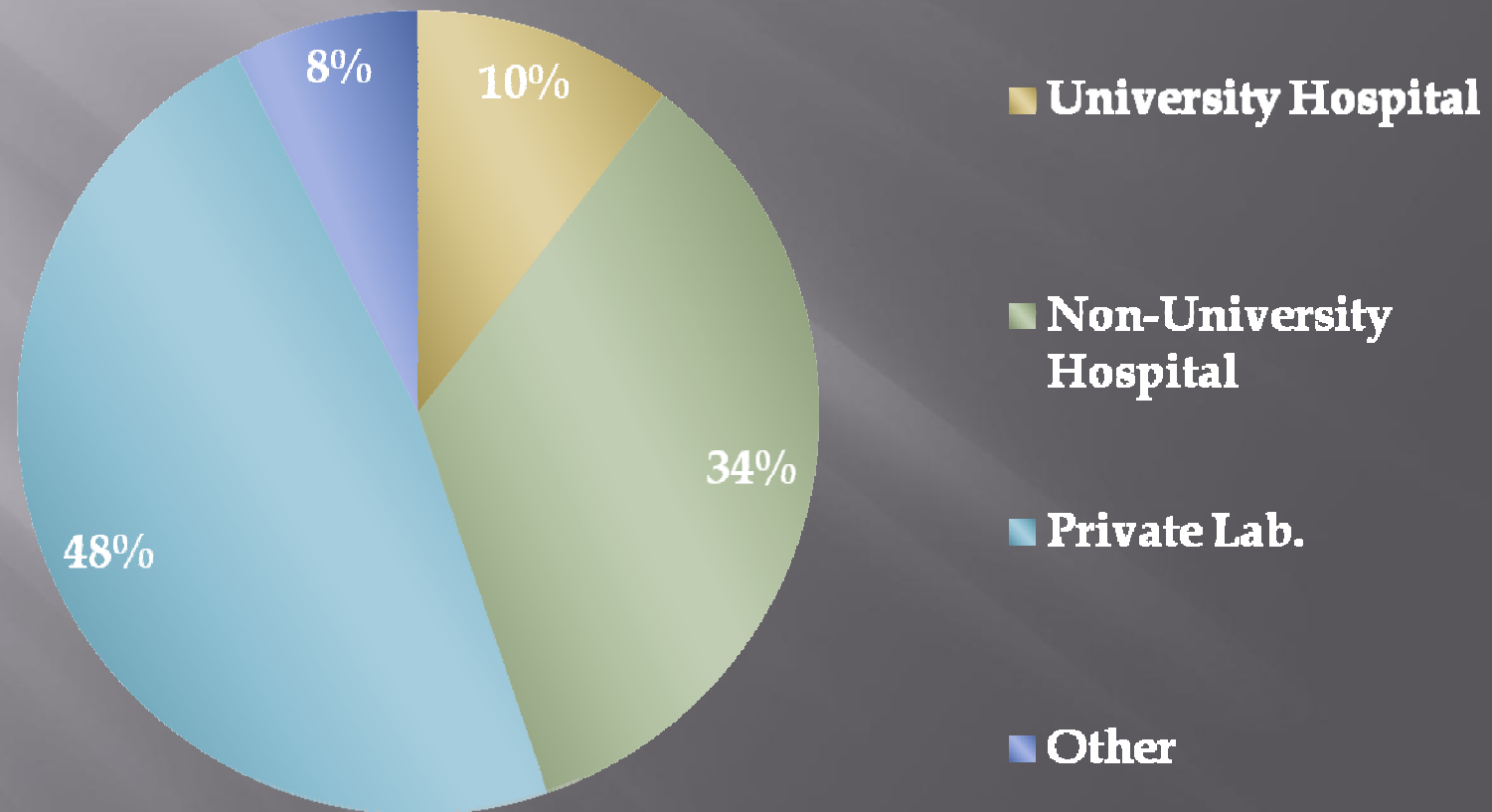
Objectives

- ▣ To map the country status on autoimmunity laboratory diagnostic techniques,
 - ▣ Antinuclear (ANA), anti-DNA and anti-ENA
 - ▣ Using a strict translation of the Dutch EASI survey

Technical data

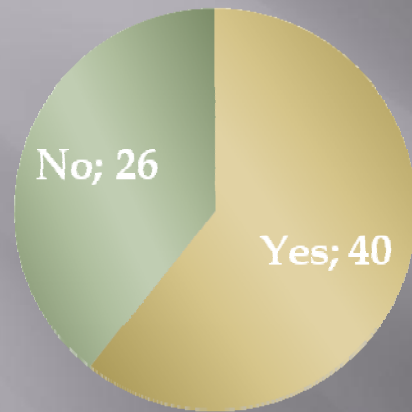
- ▣ This survey includes a total of 57 multiple-choice questions, that range from lab classification, ANA, anti-DNA, anti-ENA testing, to diagnostic algorithms and other clinical issues.
- ▣ A total of 160 mailings were posted in October, with a deadline on the 31st of December 2009.
- ▣ A total of 67 responses were received

Lab classification

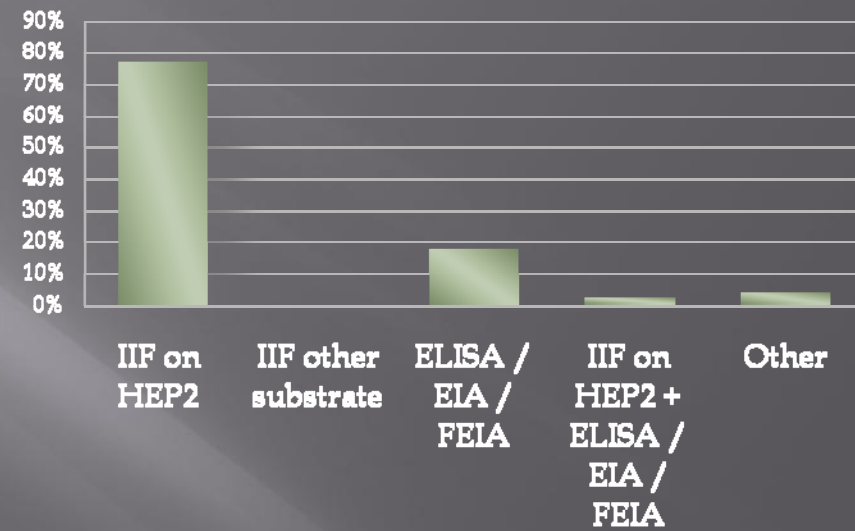


ANA

IIF ???

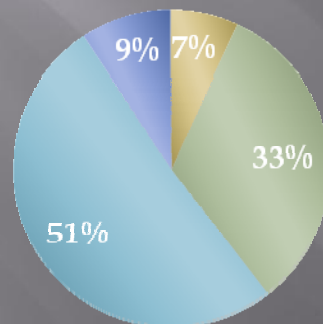


ANA assay



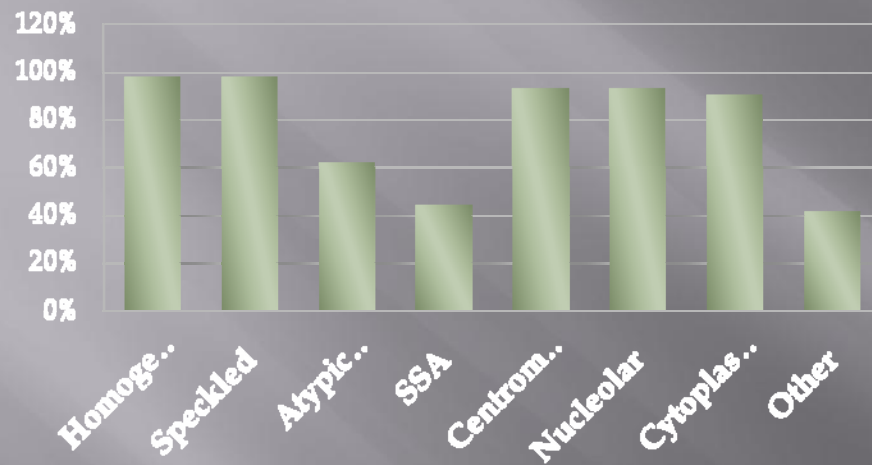
Screening titer

■ 1/40 ■ 1/80 ■ 1/160 ■ Other

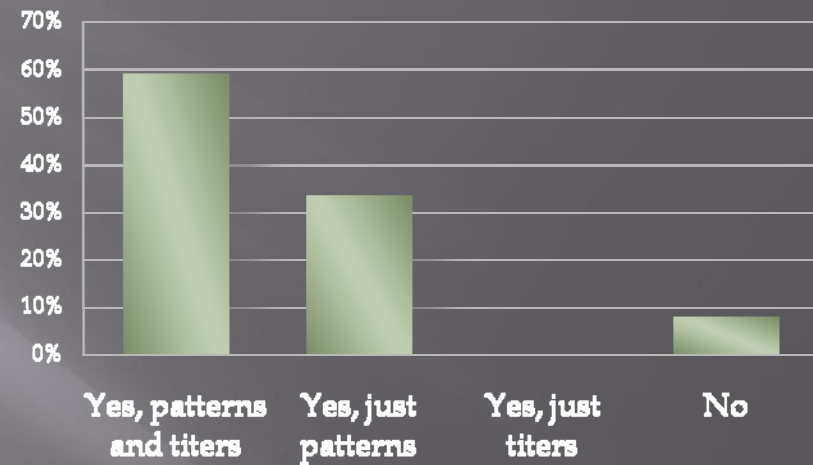


ANA

IIF patterns identif

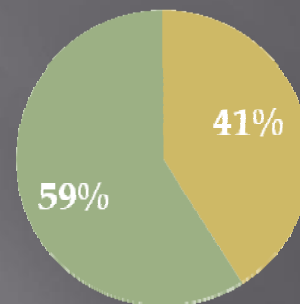


Can different patterns be reported?



International reference prep?

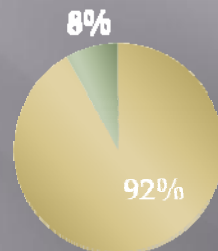
■ Yes ■ No



Anti-DNA

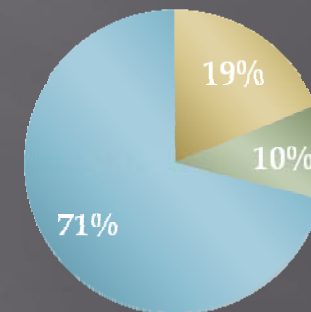
DNA assay on diagnostic and follow-up

■ Same ■ Different

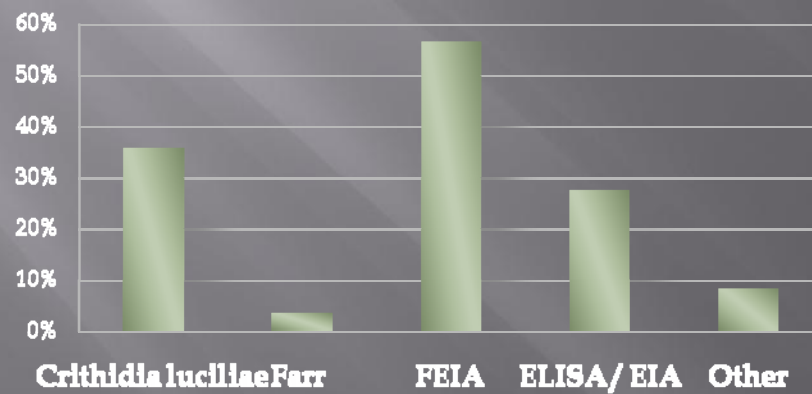


Reported result

■ Qualitative ■ Semi-qualitative ■ Quantitative

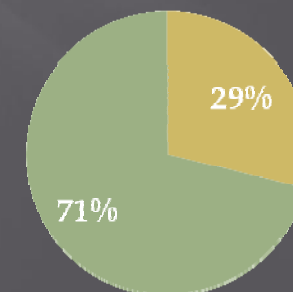


DNA assay



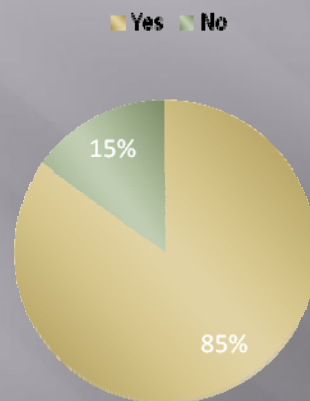
International reference prep?

■ Yes ■ No

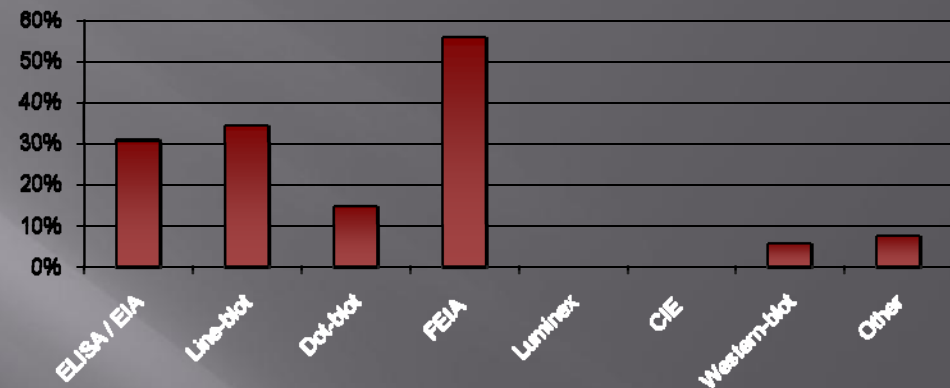


Anti-ENA

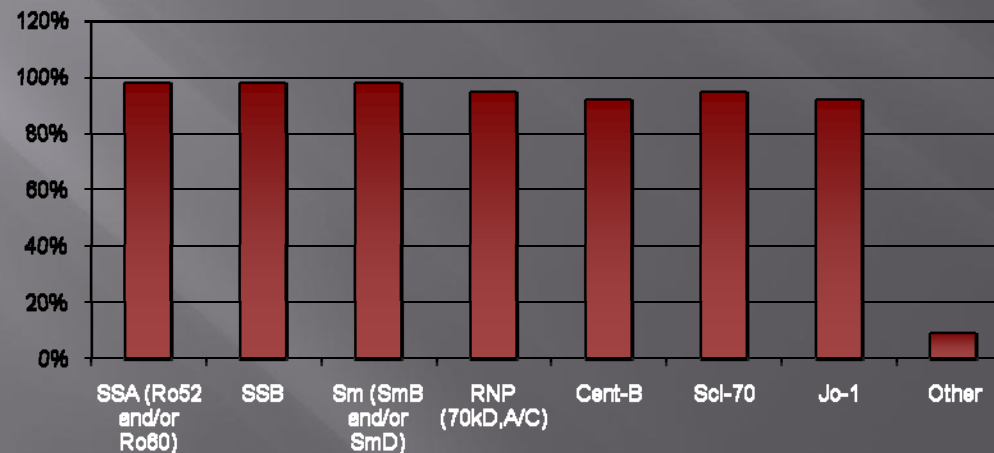
Anti-ENA ???



Anti-ENA assay

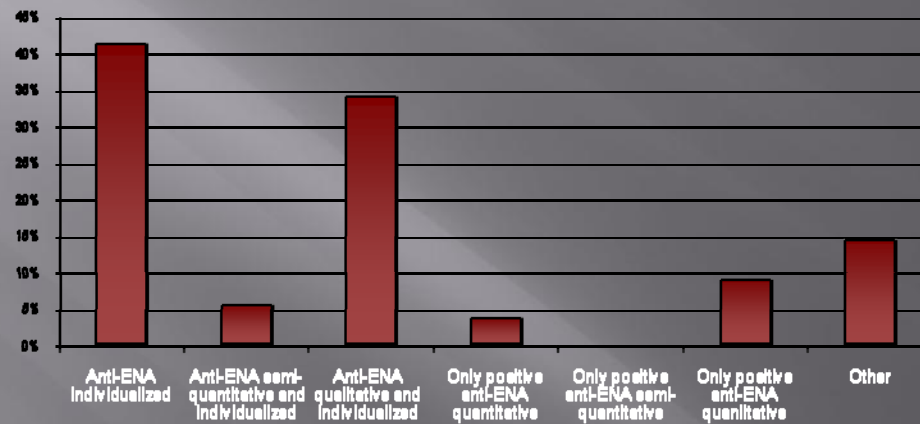


Anti-ENA Antigens

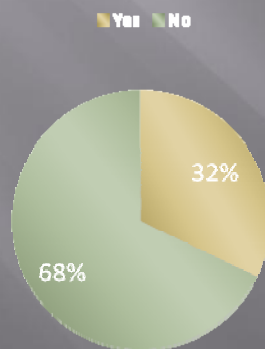


Anti-ENA report

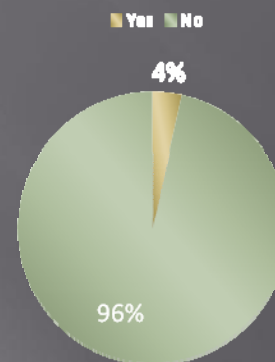
Anti-ENA report



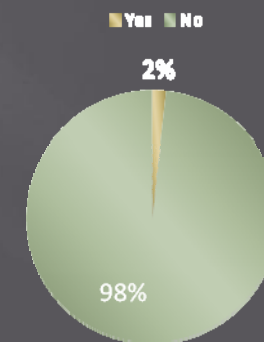
Distinction between Ro52 and Ro60



Distinction between RNP-70, RNP-A and RNP-B

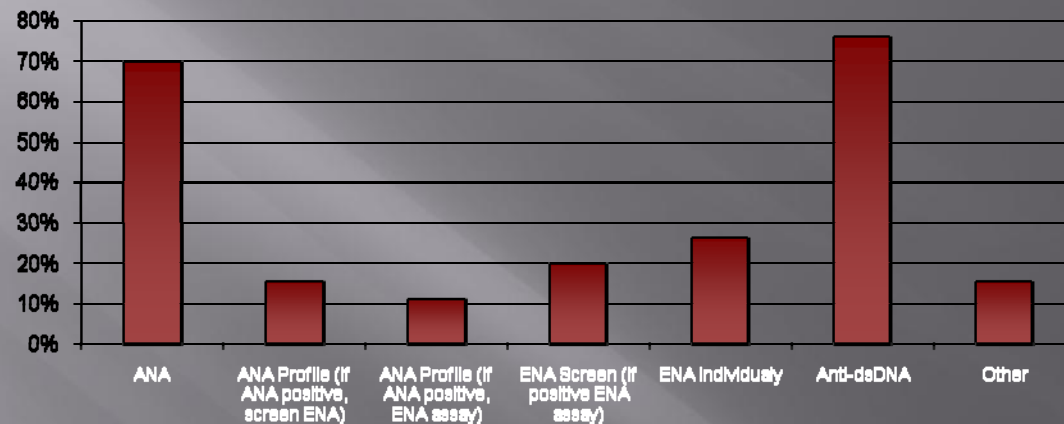


Distinction between SmB and SmD



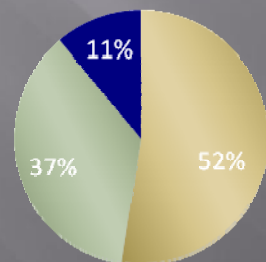
Request form

ANA/ENA / DNA Request Form: What options are there?



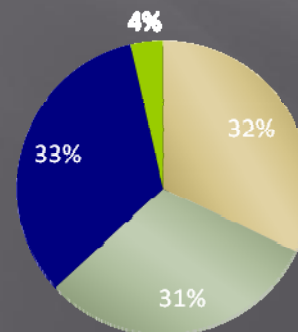
Individual ENA request

Yes, frequently Yes, occasionally No



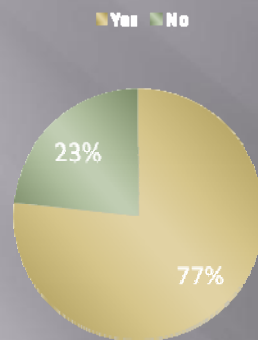
Algorithm for laboratory diagnostic

No
Yes, if Anti-dsDNA is requested on ANA is executed
Yes, if ENA-screen is requested, an ANA is executed
Other

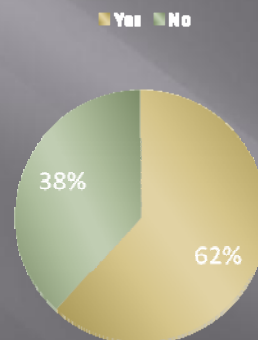


Request form

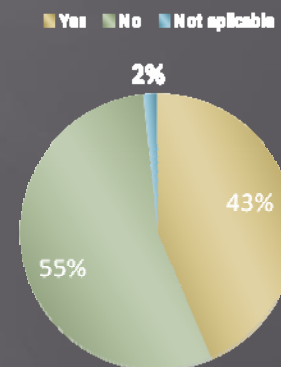
Anti-dsDNA if ANA negative ???



Anti-ENA if ANA negative ???

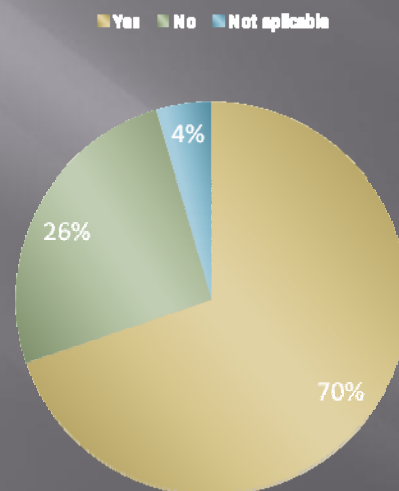


Does clinical information on test request orient lab tests?



Report options

Laboratory advice based on analytical results



Conclusions:



Near future prospectives:

- ▣ ANA prescription guidelines
- ▣ ANA laboratory performance guidelines
- ▣ ANA clinical use guidelines

Portuguese EASI team

Carlos Dias *Scientific coordinator, Int Med*

Carlos Ferreira *Internal Medicine*

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Maria José Santos *Rheumatology*

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EASITM

**European Autoimmunity
Standardisation Initiative**

