

Poster presentation

## Is prognosis after first AIDS-defining pathology incidence becoming better in recent years of HAART era?

G Gaspar\*<sup>1</sup>, JA Melero<sup>1</sup>, E Contés<sup>2</sup>, J Sanz<sup>3</sup>, JJ Jurdado<sup>4</sup>, V Castilla<sup>5</sup>, A Barrios<sup>6</sup> and MT de Guzmán<sup>1</sup>

Address: <sup>1</sup>Hospital de Getafe, Getafe, Spain, <sup>2</sup>Hospital de Móstoles, Móstoles, Spain, <sup>3</sup>Hospital de Alcalá de Henares, Alcalá de Henares, Spain, <sup>4</sup>Hospital "Severo Ochoa", Leganés, Spain, <sup>5</sup>Hospital "Fundación Alcorcón", Alcorcón, Spain and <sup>6</sup>Hospital de Fuenlabrada, Fuenlabrada, Spain

\* Corresponding author

from Ninth International Congress on Drug Therapy in HIV Infection  
Glasgow, UK. 9–13 November 2008

Published: 10 November 2008

*Journal of the International AIDS Society* 2008, 11(Suppl 1):P251 doi:10.1186/1758-2652-11-S1-P251

This abstract is available from: <http://www.jiasociety.org/content/11/S1/P251>

© 2008 Gaspar et al; licensee BioMed Central Ltd.

### Purpose of the study

To evaluate if prognosis of HIV infection, after the incidence of first AIDS-defining condition, is becoming better with improvement in HIV infection management protocols.

### Methods

The COMESEM cohort registers any HIV-infected patient receiving care in any of a group of several general community hospitals responsible for global medical care to a population close to 1,600,000 inhabitants of Madrid's perimetropolitan area. In the actuality it registers 8,166 HIV-infected patients, with a follow-up of 42,148 patient-years. We included in the study any patient with a recent diagnosis of HIV infection (less than 6 months) who suffered a first AIDS-defining disease. Survival was measured with Kaplan-Meier test, and differences and hazard ratios between 4-yearly periods after 1996 (1996–1999, 2000–2003 and 2004–2008) were measured with Maentel-Haenzel's log-rank and Cox-regression tests.

### Summary of results

3,987 patients included in the COMESEM cohort were recently diagnosed of HIV infection. 1,270 of them experienced first incidence of AIDS-defining condition, 603 after January 1, 1996. Most frequent diagnosed pathologies were tuberculosis (27.1%), *P. jirovecii* pneumonia (21.5%), and oro-oesophageal candidiasis (13.4%). Median survivals after first AIDS-defining condition in

any of the evaluated periods in the HAART era were largely greater than 10 years, much longer than in the pre-HAART years ( $p < 0.0001$ ). There were no significant differences in survival between 1996–1999 and 2000–2003 ( $p = 0.214$ ). Nevertheless, survival was significantly better in period 2004–2008 vs. any of both previous periods 1996–1999 (HR = 2,905, 95% CI 1,620–5,208) or 2000–2003 (HR = 2,581, 95% CI 1,393–4,784). (Table 1.)

### Conclusion

Prognosis of HIV-infected patients after incidence of first AIDS-defining condition is becoming increasingly better in recent years, probably reflecting improvements in HIV infection treatment protocols.

Table 1:

Period	Patients	Events		Survival			Hazard Ratio		Log-rank
		"n"	%	p-25%	median	p-75%	HR	IC.95%	
1996–99	306	129	42,6	ND	ND	1,673	1	(reference category)	
2000–03	191	53	27,7	ND	ND	2,669	1,230	0,887 – 1,706	=,214
2004–08	164	13	7,9	ND	ND	ND	2,905	1,620 – 5,208	<,0001
.....									
2000–03	191	53	27,7	ND	ND	2,669	1	(reference category)	
2004–08	164	13	7,9	ND	ND	ND	2,581	1,393 – 5,208	=,001
.....									

ND – not determinable (not afforded in the population studied).

Publish with **BioMed Central** and every scientist can read your work free of charge

*"BioMed Central will be the most significant development for disseminating the results of biomedical research in our lifetime."*

Sir Paul Nurse, Cancer Research UK

Your research papers will be:

- available free of charge to the entire biomedical community
- peer reviewed and published immediately upon acceptance
- cited in PubMed and archived on PubMed Central
- yours — you keep the copyright

Submit your manuscript here:  
[http://www.biomedcentral.com/info/publishing\\_adv.asp](http://www.biomedcentral.com/info/publishing_adv.asp)

