Interferon- γ Contributes to HLA-B27-associated Unfolded Protein Response in Spondyloarthropathies

Feng Y, Ding J, Fan CM, Zhu P. Interferon- γ contributes to HLA-B27-associated unfolded protein response in spondyloarthropathies. *J Rheumatol* 2012;39:574-82. The labels describing graphs of Figure 5 were incorrect; the figure with correct labeling is given below. We regret the error.

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Figure 5. IFN- γ can induce expression of UPR-associated proteins in PBMC of HLA-B27-positive AS patients. Healthy controls (N Control) and PBMC of 5 HLA-B27-negative AS patients (AS B27-), and 15 HLA-B27-positive AS patients (AS B27+) were incubated with (IFN- γ +) or without (IFN- γ -) interferon- γ for 24 hours. A. HLA-B27 expression of HLA-B27-positive AS patients was detected by flow cytometry. B. GRP78 and CHOP protein extracts from cells were subjected to Western blot analysis with antibodies against GRP78, CHOP, and β -actin. The intensity of the protein bands was quantified by densitometry and normalized against β -actin serving as internal loading control. Relative levels of GRP78 under each condition are plotted below the autoradiograms. C. Expression of GRP78 and CHOP mRNA in PBMC was detected by quantitative PCR. Data are presented as relative expression normalized by 18S rRNA. D. Total XBP-1 and the XBP-1 splice variant were analyzed using semiquantitative PCR. XBP-1 spliced (S) is expressed as a percentage of total XBP-1 unspliced (U). Data are shown as means $\pm$ SD of 3 independent experiments. *Significant differences ($p < 0.05$) compared to control group.