



Erratum

Erratum to “Methylsulfonylmethane and mobilee prevent negative effect of IL-1 β in human chondrocyte cultures via NF- κ B signaling pathway” [Int. Immunopharmacol. 65 (2018) 129–139]

S. Cheleschi^a, A. Fioravanti^{a,*}, A. De Palma^a, C. Corallo^b, D. Franci^c, N. Volpi^d, G. Bedogni^e, S. Giannotti^f, N. Giordano^b

^a Department of Medicine, Surgery and Neuroscience, Rheumatology Unit, Azienda Ospedaliera Universitaria senese, Policlinico Le Scotte, Siena, Italy

^b Department of Medicine, Surgery and Neurosciences, Scleroderma Unit, University of Siena, Policlinico Le Scotte, Siena, Italy

^c Department of Medicine, Surgery and Neuroscience, University of Siena, Viale Bracci 1, 53100 Siena, Italy

^d Department of Medicine, Surgery and Neuroscience, Neurology Unit, Azienda Ospedaliera Universitaria senese, Policlinico Le Scotte, Siena, Italy

^e Clinical Epidemiology Unit, Liver Research Center, Basovizza, Trieste, Italy

^f Department of Medicine, Surgery and Neurosciences, Section of Orthopedics and Traumatology, University of Siena, Viale Bracci 1, 53100 Siena, Italy

The publisher regrets publishing incorrect Fig. 3A, B. The correct figure is published here. The figure legends were correct and copied from the original published article.

3.3. Modifications of gene expression of factors involved in cartilage turnover

As reported in Fig. 1C, the expression levels of MMP-1, MMP-3 and MMP-13 were significantly increased ($p < 0.001$) and the gene expression of Col2a1 was statistically reduced ($p < 0.001$) after 24 h and 48 h of stimulus with IL-1 β in comparison to basal time. No significant changes were detected after the incubation of OA chondrocytes with the different concentrations of mobilee and MSM alone and in combination compared to basal state (Supplementary Fig. 2). The negative modulation of IL-1 β on MMP-1, MMP-3, MMP-13 and Col2a1 gene expression was significantly counteracted ($p < 0.05$, $p < 0.01$, $p < 0.001$) when our cultures were pre-treated with mobilee and MSM, with a particular exacerbation in a combination of them both at 24 h and 48 h (Fig. 3A for MMP-1 and Fig. 3C for Col2a1; Supple-

mentary Fig. 4A and B for MMP-3 and MMP-13).

3.4. Evaluation of MMP-1, MMP-3, MMP-13 and Col2a1 release

The total amount of MMP-1, MMP-3, MMP-13 and Col2a1 released in the culture medium of OA chondrocytes after our treatment were performed by an ELISA assay. After 24 h and 48 h of IL-1 β stimulus a significant increase ($p < 0.001$) of MMP-1, MMP-3 and MMP-13 and a significant reduction ($p < 0.001$) of Col2a1 levels, in comparison to basal conditions, were observed (Fig. 1D). The treatment of the cells with mobilee and MSM alone or in a combination didn't show any detectable modification compared to basal time (Supplementary Fig. 3). The negative stimulus of IL-1 β on MMP-1, MMP-3, MMP-13 and Col2a1 levels was significantly counteracted ($p < 0.001$) by the pretreatment of the OA chondrocytes with the both tested concentrations of mobilee and MSM (alone or combined) at 24 h and 48 h (Fig. 3B for MMP-1 and Fig. 3D for Col2a1; Supplementary Fig. 4C and D for MMP-3 and MMP-13).

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* Corresponding Author at: Rheumatology Unit, Department of Medicine, Surgery and Neurosciences, Policlinico Le Scotte, Viale Bracci 1, 53100 Siena, Italy.
E-mail address: fioravanti7@virgilio.it (A. Fioravanti).

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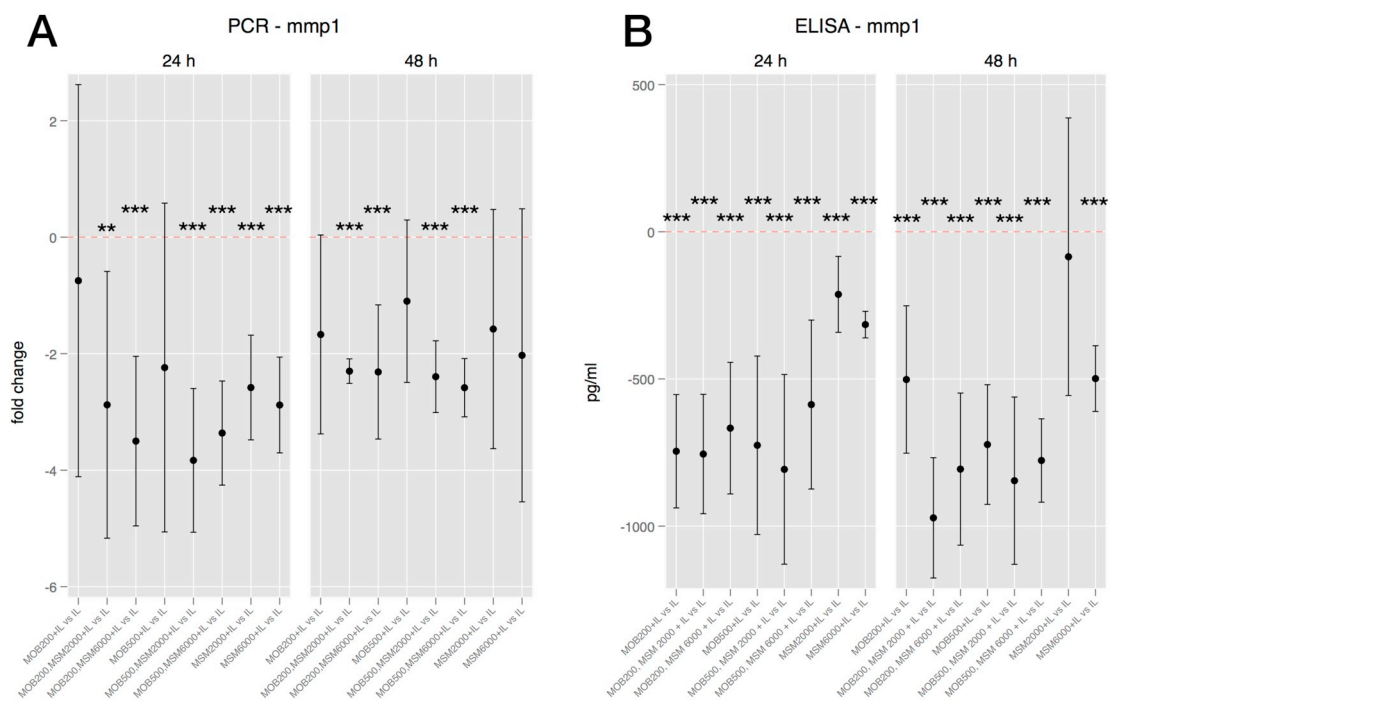


Fig. 3. Evaluation of gene expression levels of MMP-1 (A) and Col2a1 (C) by real time PCR. The gene expression was referenced to the ratio of the value of interest and IL-1 β stimulus. The value of IL-1 β was reported equal to 0. Measure of total amount of MMP-1 (B) and Col2a1 (D) released in the conditioned medium (pg/mL) by ELISA assay. The values were referenced to the ratio of the value of interest and IL-1 β stimulus. The value of IL-1 β was reported equal to 0. Cells were evaluated after 24 and 48 h of treatment with mobilee (200 μ M and

500 μ M) and MSM (2000 μ M and 6000 μ M) in presence of IL-1 β (10 ng/mL). GLM with Gaussian family, log link, cluster 95% CI and Bonferroni correction for multiple comparisons. Values are means and 95% CI estimated from the GLM.

*p < 0.05, **p < 0.01, ***p < 0.001 versus IL-1 β . Mob = mobilee.

The publisher would like to apologise for any inconvenience caused.