ポスターのみ 利益相反:無 [29: リウマチ性疾患と感染症(COVID19を含む) / Rheumatic diseases and infection inculding COVID19]

Effect of sulfasalazine on the carrier state of Pneumocystis jirovecii in patients with rheumatoid arthritis

Takahiro Nunokawa¹, Naofumi Chinen¹, Akiko Miyanaga¹, Shino Soqabe¹, Shuhei Sano¹, Takuya Kakutani^{1,2}

¹Department of Rheumatic Diseases, Tama Nambu Chiiki Hospital, ²Department of Rheumatic Diseases, Shonan Kamakura General Hospital

[Objective]Since sulfasalazine is a conjugate of antimicrobial sulfonamides and 5-aminisalicylates, a preventive efficacy of the drug against *Pneumocystis jirovecii* (*P. jirovecii*) pneumonia have been advocated and have been demonstrated in several clinical studies. The aim of the present study is to clarify the effect of sulfasalazine on the carrier state of P. jirovecii in patients with rheumatoid arthritis (RA).

[Methods]Patients with RA who were treated at Tama Numbu Chiiki Hospital were included. Those who received the prophylaxis against P. jirovecii were excluded. PCR detection of *P. jirovecii* was performed in sputum induced with 3% hypertonic saline inhalation.

[Results]While two of 47 patients without sulfasalazine were positive for the PCR, none of 45 patients with sulfasalazine were positive for the test.

[Conclusions]The result of the present study suggested that sulfasalazine may reduce the carriage of *P. jirovecii* in patients with RA.

関節リウマチ患者におけるサラゾスルファピリジン投与が Pneumocystis jirovecii 保菌に与える影響

布川 貴博¹, 知念 直史¹, 宮永 明子¹, 曽我部 志乃¹, 佐野 修平¹, 角谷 拓哉^{1,2}

¹多摩南部地域病院 リウマチ膠原病科. ²湘南鎌倉病院 リウマチ科

【目的】サラゾスルファピリジンは,サルファ系抗菌剤と5-アミノサリチル酸製剤の合剤であることから,*Pneumocystis jirovecii* (*P. jirovecii*)肺炎の抑制効果が期待され,いくつかの疫学研究でその有効性が示されている.本研究はサラゾスルファピリジンが,関節リウマチ患者における*P. jirovecii*保菌に与える影響を明らかにすることを目的とした.

【方法】多摩南部地域病院に通院する関節リウマチ患者で, P. jirovecii肺炎に対する予防投薬を受けていないものを対象とした. 高張食塩水の吸入により喀痰を誘発し, P. jiroveciiのDNA-PCRを実施した.

【結果】サラゾスルファピリジン非内服者 47例中2例でDNA-PCR陽性であったのに対し,サラゾスルファピリジン内服者45例ではすべて陰性であった.

【結論】関節リウマチ患者において,サラゾスルファピリジンの内服が,P. jiroveciiの保菌を減少させる可能性が示された.今後さらに症例数を蓄積し,調査を継続する必要がある.