



Renal replacement therapy with the oxiris filter in septic patients with AKI: a cohort study and a propensity – matched analysis

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Abstract:

The present study was initiated to determine whether isolates from soil and of soybean plants can express nitrogenase activity when grown in the absence of plant host. The study was conducted to answer the question “can benefit gained by” the interaction between Actinomycetes and Rhizobium symbiosis with legume. Thirty-five isolates identified as Rhizobium and twenty-one Actinomycetes were isolated from the rhizosphere of soybean plants and identified by morphological character, biochemical content identified. Fifty-six isolates were tested for their capabilities of N₂ fixation and siderophore production. The isolated rhizo bacteria were grown in N-free media, and twelve of them showed a good growth on the Burk's N-free media. Almost all strains produced siderophores; however, the production level was very low, and only the strain AK 10 released considerable amounts of this metabolite. One strain of Actinomycetes was selected to test the interactions with Rhizobium. Co inoculation of Actinomycetes and Rhizobium produced synergic benefits on plant growth and get protection from the production of siderophore.

Biography:

Dr. Franco Turani, MD is Head of Department of Anaesthesia and Intensive Care unit, Aurelia hospital, Rome, Italy. He published more than 200 articles. He is a profes-



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Recent Publications:

1. Ronco, C., Ricci, Z., De Backer, D., Kellum, J. A., Taccone, F. S., Joannidis, M., Pickkers, P., Cantaluppi, V., Turani, F., Saudan, P., Bellomo, R., Joannes-Boyau, O., Antonelli, M., Payen, D., Prowle, J. R., & Vincent, J. L. (2015). Renal replacement therapy in acute kidney injury: Controversy and consensus. *Critical Care*, 19(1), [146]. <https://doi.org/10.1186/s13054-015-0850-8>
2. Turani F.a,b • Barchetta R.a • Falco M.a • Busatti S.a • Weltert L.c Continuous Renal Replacement Therapy with the Adsorbing Filter oXiris in Septic Patients: A Case Series, <https://doi.org/10.1159/000499589>

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