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There was no discrimination in the selection of gender and age of the patients. Samples showing double growth or contamination on agar plates were excluded from the study. Those patients who were reported a positive growth of Pseudomonas aeruginosa on culture test included in the study. The minimum sample size was ninety-five (n=95), calculated via sealed envelope software. Labeled sterile containers were used for the collection of samples of sputum. MacConkey's agar was used for inoculated and samples were incubated at 37°C for 24-48 hours. For detecting the organisms multiple biochemical tests including colony morphology Gram staining, positive oxidase reaction, production of pyocyanin on Mueller-Hinton agar (Oxoid UK), citrate utilization and growth at 42°C, were used by following standard protocol Incubation conditions for plates were 16-24 h at 35°C before analyzation of results; " commercially prepared fixed concentration paper antibiotic discs" were placed on an agar plate. Growth inhibition zones around each of the antibiotic discs were demarcated in accordance with CLSI guidelines (2018) and labeling was performed as sensitive or resistant. Antibiotic discs i.e.