ꯏꯀꯥꯏꯕꯅ ꯁꯤꯔꯦ
ꯑꯃꯨꯛ ꯍꯟꯅ ꯇꯧꯔꯛꯀꯅꯨ
ꯍꯧꯈꯤꯕ ꯃꯥꯔꯆ 26, 2023 ꯗ ꯏꯝꯐꯥꯜꯗꯒꯤ ꯂꯥꯞꯅ ꯂꯩꯕ ꯈꯨꯡꯒꯪꯒꯤ
ꯃꯐꯝ ꯑꯃꯗ ꯂꯩꯕ ꯂꯥꯏꯅꯤꯡ ꯑꯃꯒꯤ ꯂꯥꯏꯁꯪꯗ ꯄꯥꯡꯊꯣꯛꯈꯤꯕ
ꯂꯥꯏꯅꯤꯡꯗꯨꯒꯤ ꯂꯥꯏꯒꯤ ꯋꯥꯄꯥꯎ ꯁꯟꯗꯣꯛꯄ ꯊꯧꯔꯝ ꯑꯃꯗ ꯃꯤꯑꯣꯏ
ꯑꯃꯅ ꯐꯣꯡꯗꯣꯛꯈꯤꯕ ꯋꯥꯐꯝ ꯉꯁꯤꯒꯤ ꯃꯄꯥꯡꯒꯜ ꯀꯜꯂꯕ ꯁꯣꯁꯜ
ꯃꯤꯗꯤꯌꯥꯗ ꯚꯥꯏꯔꯦꯜ ꯑꯣꯏꯔꯛꯈ꯭ꯔꯦ꯫ ꯊꯧꯔꯝꯗꯨ ꯃꯐꯝ ꯑꯗꯨꯗ ꯂꯩꯕ
ꯆꯤꯡꯃꯤ ꯐꯨꯔꯨꯞ ꯑꯃꯒꯤ ꯑꯣꯏꯕ ꯑꯗꯨꯒ ꯃꯈꯣꯏꯅꯁꯨ ꯁꯔꯨꯛ ꯌꯥꯕ
ꯊꯧꯔꯝꯅꯤ꯫ ꯃꯈꯣꯏꯅ ꯄꯥꯝꯅ ꯆꯠꯆꯕ ꯂꯥꯏꯅꯤꯡ ꯂꯝꯕꯦꯜꯗꯨꯒꯤ
ꯑꯣꯏꯕ ꯊꯧꯔꯝꯅꯤ꯫ ꯑꯗꯨꯒ ꯊꯧꯔꯝꯗꯨꯗ ꯐꯣꯡꯗꯣꯛꯈ꯭ꯔꯤꯕ ꯋꯥꯐꯝꯗꯨꯗ
ꯌꯥꯎꯈꯤꯕ ꯋꯥꯍꯩ ꯈꯔꯅ ꯑꯇꯥꯕ ꯃꯤꯌꯥꯝ ꯊꯣꯏꯗꯣꯛ-ꯍꯦꯟꯗꯣꯛꯅ
ꯃꯤꯇꯩꯒꯤ ꯐꯨꯔꯨꯞꯀꯤ ꯃꯤꯑꯣꯏꯁꯤꯡꯕꯨ ꯃꯇꯤꯡ ꯁꯣꯛꯍꯟꯈꯤꯕꯅꯤ꯫
ꯈꯝ ꯊꯦꯡꯅ ꯁꯥꯎꯍꯟꯈꯤꯕꯅꯤ꯫ ꯋꯥꯍꯩꯁꯤꯡꯗꯨꯗ ꯃꯤꯇꯩ ꯐꯨꯔꯨꯞ ꯑꯃꯁꯨꯡ
ꯃꯤꯇꯩꯒꯤ ꯂꯥꯏꯅꯤꯡ ꯄꯟꯈꯤꯕꯗꯤ ꯅꯠꯇꯦ꯫ ꯑꯗꯨꯕꯨ ꯐꯨꯔꯨꯞ ꯑꯁꯤꯅ
ꯌꯦꯜꯍꯧꯉꯩꯗꯒꯤ ꯄꯥꯡꯊꯣꯛꯇꯨꯅ ꯂꯥꯛꯄ ꯂꯩꯈꯤꯗ꯭ꯔꯕ ꯃꯤꯑꯣꯏ ꯑꯃꯒꯤ
ꯑꯔꯣꯏꯕ ꯃꯊꯧ-ꯃꯉꯝ ꯄꯥꯡꯊꯣꯛꯂꯨꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯪꯒꯥꯔꯛꯄꯗ ꯃꯁꯥꯒꯤ
ꯊꯣꯡꯒꯥꯜ ꯅꯠꯇ꯭ꯔꯒ ꯏꯃꯨꯡ ꯆꯪꯗ꯭ꯔꯤꯉꯩꯗ ꯇꯧꯔꯛꯄ ꯃꯁꯤꯜ-ꯊꯕꯛ
ꯑꯃꯁꯨ ꯊꯧꯑꯣꯏꯅ ꯀꯔꯦꯝ-ꯀꯊꯥꯏꯅꯕ ꯌꯥꯅꯕꯒꯤꯗꯃꯛ ꯂꯥꯏꯒꯤ ꯋꯥꯄꯥꯎ
ꯁꯟꯗꯣꯛꯄꯒꯤ ꯊꯧꯔꯝꯗꯨꯗ ꯁꯔꯨꯛ ꯌꯥꯈꯤꯕ ꯆꯤꯡꯃꯤ ꯐꯨꯔꯨꯞꯇꯨꯒꯤ
ꯃꯤꯑꯣꯏꯁꯤꯡꯗ ꯑꯣꯟꯁꯤꯜꯂꯒ ꯅꯈꯣꯏꯅꯁꯨ ꯇꯧꯏ ꯍꯥꯏꯖꯤꯜꯂꯒ
ꯃꯄꯨꯡ ꯑꯣꯏꯅ ꯑꯇꯝꯅꯅ ꯃꯤꯇꯩ ꯐꯨꯔꯨꯞꯀꯤ ꯆꯠꯅꯔꯣꯜꯗꯨꯕꯨ ꯍꯟꯊꯅ
ꯌꯦꯡꯕꯒꯤ ꯋꯥꯉꯥꯡ ꯑꯃꯁꯨꯡ ꯊꯧꯗꯧ ꯎꯠꯈꯤꯕꯅꯤ꯫ ꯈꯝ ꯊꯦꯡꯅ ꯋꯥꯡꯕ
ꯊꯥꯛꯇ ꯎꯁꯤꯠ-ꯊꯧꯑꯣꯡꯗꯕ ꯎꯠꯈꯤꯕꯅꯤ꯫ ꯃꯗꯨꯒꯤꯗꯃꯛ ꯑꯄꯥꯟꯅꯅ
ꯃꯤꯇꯩ ꯐꯨꯔꯨꯞꯀꯤ ꯃꯃꯤꯡ ꯄꯟꯈꯤꯗ꯭ꯔꯕꯁꯨ ꯑꯇꯥꯕ/ꯑꯎꯕꯁꯤꯡꯒꯤ
ꯃꯔꯛꯇꯒꯤ ꯈꯔꯗꯤ ꯃꯩ ꯍꯧꯅ ꯁꯥꯎꯈꯤꯕꯅꯤ꯫ ꯁꯥꯎꯕꯒꯤ ꯍꯧꯅꯕ ꯀꯔꯤ-

ꯀꯔꯤꯅꯣ ꯄꯦꯟꯗꯕ ꯋꯥꯐꯝ ꯀꯌꯥ ꯂꯥꯏꯔꯦꯟ ꯃꯇꯨꯡ ꯉꯥ-ꯏꯟꯕꯗꯧꯅ ꯃꯊꯪ
ꯃꯊꯪ ꯐꯣꯡꯗꯣꯛꯅꯔꯛꯈꯤꯕꯅꯤ꯫ ꯄꯦꯟꯗꯕ, ꯁꯥꯎꯅꯤꯡꯕꯒꯤ ꯑꯣꯝꯗꯨꯅ
ꯆꯥꯛꯂꯛꯈꯤꯕ ꯃꯩꯗꯨ ꯑꯈꯥꯛ-ꯑꯔꯥꯎꯒ ꯂꯣꯏꯅꯅ ꯅꯣꯡꯃꯩ-ꯁꯤꯡꯖꯪ ꯌꯥꯎꯅ
ꯍꯩꯊꯔꯛꯀꯗꯕꯒꯤ ꯐꯤꯚꯝ ꯂꯥꯛꯄꯗꯒꯤꯕꯨꯗꯤ ꯁꯦꯡꯗꯣꯔꯛꯈ꯭ꯔꯦ꯫
ꯊꯔꯛ ꯍꯨꯟꯒꯠꯅꯔꯝꯕ ꯃꯌꯥꯝ ꯈꯔ ꯏꯪꯊꯅꯕꯒꯨꯝ ꯇꯧꯔꯛꯂꯦ꯫ ꯑꯗꯨꯕꯨ
ꯑꯗꯨꯒꯨꯝꯕ ꯃꯤꯇꯩ ꯐꯨꯔꯨꯞ ꯑꯃꯁꯨꯡ ꯂꯥꯏꯅꯤꯡꯒꯤ ꯑꯣꯏꯕ ꯃꯆꯠ
ꯑꯃꯕꯨ ꯆꯤꯡꯃꯤ ꯐꯨꯔꯨꯞ ꯑꯃꯗ ꯑꯣꯟꯁꯤꯜꯂꯒ ꯀꯩꯗꯧꯕꯩ ꯉꯥꯡꯂꯨꯔꯤꯕꯅꯣ
ꯍꯥꯏꯕꯅꯤ꯫

ꯂꯩꯕꯥꯛꯁꯤꯒꯤ ꯑꯣꯏꯅꯗꯤ ꯂꯩꯔꯤꯕ ꯃꯤꯑꯣꯏꯕ ꯄꯨꯝꯅꯃꯛꯅ ꯃꯥꯅ-ꯃꯥꯅ
ꯄꯥꯝꯕ ꯂꯥꯏꯅꯤꯡ ꯂꯝꯕꯦꯜꯗ ꯆꯠꯆꯕ ꯌꯥꯏ, ꯑꯊꯤꯡꯕ ꯄꯤꯗꯦ, ꯑꯌꯥꯕ
ꯑꯣꯏꯅ ꯄꯤ꯫ ꯑꯗꯨꯕꯨ ꯂꯥꯏꯅꯤꯡ ꯑꯃ ꯆꯠꯂꯤꯕ ꯃꯤꯑꯣꯏ ꯑꯃ ꯅꯠꯇ꯭ꯔꯒ
ꯐꯨꯔꯨꯞ ꯑꯃꯕꯨ ꯄꯥꯝꯕꯩ ꯑꯃ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯅꯠꯇ꯭ꯔꯒ ꯑꯀꯟꯕ ꯄꯥꯡꯒꯜꯅ
ꯑꯇꯣꯞꯄ ꯂꯥꯏꯅꯤꯡ ꯑꯃꯗ ꯅꯝꯐꯨꯗ ꯑꯣꯟꯁꯤꯟꯍꯟꯕꯗꯤ ꯌꯥꯗꯦ꯫
ꯑꯗꯨꯒ ꯑꯇꯣꯞꯄ ꯂꯥꯏꯅꯤꯡ ꯑꯃꯕꯨ ꯍꯨꯟꯗꯨꯅ ꯉꯥꯡ-ꯁꯛꯄ, ꯂꯥꯏꯅꯤꯡ
ꯈꯦꯟꯅꯕ ꯃꯁꯦꯜꯒꯤ ꯃꯔꯛꯇ ꯅꯨꯡꯁꯤꯅꯍꯟꯗꯅꯕ ꯁꯤꯟꯕꯁꯨ ꯌꯥꯗꯦ꯫
ꯑꯊꯤꯡꯕ ꯂꯩ꯫ ꯑꯊꯤꯡꯕꯁꯤꯒꯤ ꯄꯜ ꯅꯝꯊꯦꯔꯛꯄ ꯃꯤꯑꯣꯏꯁꯤꯡꯕꯨꯅ
ꯃꯔꯥꯜꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯕ ꯆꯩꯔꯥꯛ ꯐꯪꯒꯅꯤ꯫ ꯄꯨꯝꯅꯃꯛꯁꯤ ꯂꯩꯕꯥꯛꯁꯤꯗ
ꯆꯠꯅꯔꯤꯕ, ꯆꯠꯅꯐꯝꯁꯨ ꯊꯣꯛꯄ ꯃꯆꯠꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯂꯩꯕꯥꯛꯀꯤ
ꯆꯠꯅꯕꯤꯁꯤꯁꯨ ꯊꯨꯒꯥꯏꯗꯨꯅ ꯈꯣꯡꯒꯥꯎꯅꯈꯤꯕ ꯊꯧꯑꯣꯡ ꯆꯠꯊꯈ꯭ꯔꯤꯕꯗꯨꯕꯨ
ꯆꯥꯎꯈ꯭ꯔꯕ ꯂꯩꯕꯥꯛꯁꯤꯒꯤ ꯂꯣꯕꯨ ꯀꯣꯛꯊꯣꯡꯅꯒꯦ ꯍꯥꯏꯔꯤꯕ꯭ꯔ? ꯉꯥꯡ-
ꯁꯛꯈ꯭ꯔꯤꯕ ꯃꯤꯑꯣꯏꯗꯨꯅ ꯃꯄꯥꯟꯗꯒꯤ ꯂꯥꯛꯄ ꯅꯠꯇ꯭ꯔꯒ ꯑꯇꯣꯞꯄ
ꯐꯨꯔꯨꯞꯀꯤ ꯃꯤꯑꯣꯏꯁꯤꯡ ꯑꯣꯏꯔꯝꯂꯕꯁꯨ ꯀꯗꯥꯏꯅꯣ ꯍꯥꯏꯔꯁꯤ ꯍꯥꯏꯕꯕꯨ
ꯃꯤꯇꯩ ꯃꯆꯥꯁꯨ ꯑꯣꯏꯔꯝꯃꯤ꯫ ꯃꯁꯥꯅ ꯄꯥꯝꯖꯅ ꯃꯥꯂꯦꯝꯒꯤ ꯃꯤꯌꯥꯝꯅ
ꯐꯥꯎꯕ ꯆꯠꯅꯔꯤꯕ ꯆꯥꯎꯈ꯭ꯔꯕ ꯂꯥꯏꯅꯤꯡ ꯑꯃꯗ ꯆꯠꯂꯒꯁꯨ ꯑꯇꯣꯄꯄ
ꯂꯥꯏꯅꯤꯡ ꯑꯃꯒꯤ ꯑꯣꯏꯕ ꯂꯥꯏꯒꯤ ꯃꯤꯡ ‘ꯔꯥꯃꯥ’ ꯑꯁꯨꯡ ꯋꯥꯍꯩ ‘ꯅꯟꯗ’ ꯄꯨꯟꯁꯤꯟꯅꯗꯨꯅ ꯊꯣꯜꯂꯒꯁꯨ ꯃꯃꯤꯡꯗ ‘ꯃꯤꯇꯩ’ ꯍꯥꯏꯕꯁꯤꯁꯨ
ꯁꯤꯖꯤꯟꯅꯔꯤꯕꯅ ꯃꯍꯥꯛ ꯃꯁꯥꯃꯛ ꯃꯤꯇꯩꯅꯤ, ꯐꯨꯔꯨꯞꯁꯤꯒꯤ ꯃꯤꯑꯣꯏꯅꯤ
ꯍꯥꯏꯕꯁꯤꯗꯤ ꯆꯦꯟꯕ ꯌꯥꯔꯔꯣꯏꯗꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯁꯥꯅ ꯄꯥꯝꯖꯅ ꯆꯠꯆꯕ
ꯂꯥꯏꯅꯤꯡꯒꯤ ꯃꯔꯝꯗꯁꯨ ꯐꯖꯅ ꯈꯪꯕꯒꯤ ꯐꯝꯊꯣꯜ ꯐꯥꯎꯕ ꯐꯪꯕꯒꯤ ꯃꯊꯛꯇ
ꯃꯤꯇꯩꯁꯨ ꯑꯣꯏꯔꯒ ꯂꯩꯕꯥꯛꯁꯤꯒꯤ ꯂꯣ ꯈꯪꯗ꯭ꯔꯤꯕ ꯀꯔꯤꯒꯤꯅꯣ? ꯃꯤꯇꯩꯅ
ꯑꯗꯨ ꯐꯥꯎꯕ ꯈꯪꯂꯝꯗꯦ ꯍꯥꯏꯕꯁꯤꯗꯗꯤ ꯏꯀꯥꯏꯕꯅ ꯁꯤꯔꯦ꯫ ꯃꯇꯨꯡꯗ
ꯇꯧꯔꯨꯅꯨꯀꯣ꯫ ꯃꯁꯥꯅ ꯆꯠꯆꯔꯤꯕ ꯆꯥꯎꯈꯠꯄ ꯂꯥꯏꯅꯤꯡꯗꯨꯒꯤ ꯈ꯭ꯋꯥꯏꯗꯒꯤ
ꯁꯦꯡꯕ ꯂꯥꯏꯔꯤꯛ ‘ꯍꯣꯂꯤ ꯕꯨꯛ’ ꯁꯤꯡꯗꯕꯨ ꯑꯇꯣꯞꯄ ꯂꯥꯏꯅꯤꯡꯒꯤ
ꯆꯠꯅꯕꯤ ꯍꯨꯟꯗꯨꯅ ꯀꯔꯦꯝ-ꯀꯊꯥꯏꯅꯧ ꯍꯥꯏꯕ ꯌꯥꯎꯔꯝꯒꯗ꯭ꯔꯅꯦ꯫ ꯃꯊꯛ
ꯊꯣꯡꯕꯅ ꯆꯥꯟꯅꯕ ꯅꯠꯇ꯭ꯔꯒ ꯐꯨꯔꯨꯞ ꯑꯃꯒꯤ ꯃꯤꯑꯣꯏꯁꯤꯡꯕꯨ ꯍꯨꯝꯗꯨꯅ
ꯄꯨꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯅꯁꯥꯒꯤ ꯑꯣꯏꯕ ꯃꯤꯇꯩ ꯐꯨꯔꯨꯞꯇ ꯑꯣꯟꯁꯤꯜꯂꯨꯔꯅꯨꯀꯣ꯫
ꯍꯧꯖꯤꯛꯁꯨ ꯃꯤꯇꯩ ꯅꯣꯡꯁꯥ ꯃꯃꯤꯡꯇ ꯉꯥꯏꯗ꯭ꯔꯤꯕꯅꯤ ꯀꯥꯎꯒꯅꯨ꯫

IMPHAL, WEDNESDAY, APRIL 05, 2023 ꯌꯨꯝꯁꯀꯩꯁ, ꯁꯖꯤꯕꯨꯒꯤ 14ꯅꯤ ꯄꯥꯟꯕ, ꯃꯥꯂꯤꯌꯥ ꯀꯨꯝꯁꯤꯡ 3420
ꯄꯥꯎꯆꯦ ꯑꯁꯤꯗ ꯐꯣꯡꯖꯔꯤꯕ ꯋꯥꯔꯦꯡꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜ, ꯃꯤꯠꯌꯦꯡ ꯑꯏꯕ ꯃꯁꯥ ꯃꯁꯥꯒꯤꯅꯤ꯫ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜꯂꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯤꯠꯌꯦꯡꯒ ꯊꯣꯏꯗꯣꯛꯅ ꯃꯔꯤ ꯂꯩꯅꯗꯦ꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ
ꯌꯨꯝꯁꯀꯩꯁ, ꯑꯦꯄ꯭ꯔꯤꯜ 05, 2023, ꯏꯝꯐꯥꯜ
14 ꯁꯨꯕ ꯆꯍꯤ, 337 ꯁꯨꯕ ꯃꯁꯤꯡ

obT\ꯂꯩ ꯃꯀꯩꯋ꯭ꯀ 2 ꯑꯦꯗꯤꯇꯣꯔꯤꯌꯦꯜ HUEIYEN LANPAO

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ-63
1) ‘‘ꯈꯨꯔꯣꯏ ꯍꯥꯎꯔꯥ ꯂꯝꯂꯥꯡꯇꯣꯡ” ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯅꯥꯅ ꯏꯕꯅꯣ?
2) “ꯅꯪꯒ ꯑꯩꯒ ꯑꯃꯠꯇꯅꯤ” ꯃꯃꯤꯡ ꯊꯣꯟꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ
ꯂꯥꯏꯔꯤꯛꯅꯣ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯒꯤ ꯑꯏꯕ ꯀꯅꯥꯅꯣ?
3) “ꯄ꯭ꯔꯚꯨ! ꯑꯩ ꯈ꯭ꯔꯤꯁꯠꯃꯥꯁ ꯌꯥꯎꯖꯔꯔꯣꯏ” ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯅꯥꯅ
ꯏꯕꯅꯣ ꯑꯃꯗꯤ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ?
4) “ꯑꯔꯣꯏꯕ ꯁꯩꯔꯦꯡ” ꯃꯃꯤꯡ ꯊꯣꯟꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤꯒꯤ ꯑꯣꯔꯤꯖꯤꯅꯦꯜ
ꯑꯏꯕ ꯀꯅꯥꯅꯣ? ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ ꯑꯃꯁꯨꯡ
ꯀꯅꯥꯅ ꯃꯅꯤꯄꯨꯔꯤꯗ ꯍꯟꯗꯣꯛꯄꯒꯦ?
5) “ꯂꯝꯃꯨꯛꯅꯔꯦ ꯑꯩꯍꯥꯛꯇꯤ/ꯃꯥꯡꯈ꯭ꯔꯦ, ꯑꯩꯒꯤ ꯂꯝꯕꯦꯜ꯫/ꯊꯥꯡꯉꯝꯗꯔꯦ
ꯈꯣꯡ ꯑꯁꯤ;/ꯀꯗꯣꯝꯗꯅꯣ, ꯀꯗꯥꯏꯅꯣ, ꯆꯠꯀꯗꯕ ꯑꯩꯒꯤ ꯂꯝꯕꯦꯜ/
ꯁꯨꯛꯂꯕ, ꯃꯝꯂꯕ, ꯃꯣꯠꯂꯕ ꯁꯤꯃꯦꯇ꯭ꯔꯤ ꯃꯌꯥꯏꯁꯤꯗ꯫ ꯁꯩꯔꯦꯡ ꯃꯇꯦꯛ
ꯑꯁꯤ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯁꯛꯅꯥꯏꯔꯕ ꯀꯕꯤ ꯑꯃꯒꯤ ꯁꯩꯔꯦꯡ ꯂꯥꯏꯔꯤꯛꯇꯒꯤ
ꯂꯧꯊꯣꯔꯛꯄꯅꯤ꯫ ꯀꯕꯤ ꯑꯁꯤ ꯀꯅꯥꯅꯣ? ꯃꯍꯥꯛꯀꯤ ꯀꯔꯤ ꯃꯃꯤꯡ ꯊꯣꯟꯕ
ꯂꯥꯏꯔꯤꯛꯀꯤ ꯀꯔꯝꯕ ꯁꯩꯔꯦꯡꯗꯒꯤ ꯂꯧꯊꯣꯔꯛꯄꯅꯣ?

ꯃꯊꯛꯇ ꯄꯤꯔꯤꯕ ꯋꯥꯍꯪꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝ ꯑꯄ꯭ꯔꯤꯜ 15, ꯊꯥꯡꯖ ꯅꯨꯃꯤꯠꯀꯤ
ꯑꯌꯨꯛ ꯄꯨꯡ 11 ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯑꯣꯐꯤꯁꯇ ꯅꯠꯇ꯭ꯔꯒ
I-meL hueiyenliteraryquiz@gmail.com sid meL
ꯑꯣꯏꯅ ꯊꯥꯕꯤꯔꯛꯄ ꯌꯥꯒꯅꯤ꯫ ꯄꯥꯎꯈꯨꯝ ꯄꯤꯕꯤꯔꯛꯄ/ꯊꯥꯕꯤꯔꯛꯄ ꯃꯇꯝꯗ ꯃꯤꯡ,
ꯂꯩꯐꯝ, ꯃꯍꯩꯒꯤ ꯊꯥꯛ ꯑꯃꯁꯨꯡ ꯀꯟꯇꯦꯛꯠ ꯅꯝꯕꯔ ꯃꯌꯦꯛ ꯁꯦꯡꯅ ꯏꯕꯤꯔꯛꯎ꯫
ꯋꯥꯍꯪ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ ꯄꯥꯎꯈꯨꯝ ꯆꯨꯝꯅ ꯅꯠꯇ꯭ꯔꯒ ꯃꯁꯤꯡ ꯌꯥꯝꯅ ꯆꯨꯝꯅ
ꯄꯤꯕꯤꯔꯛꯄ ꯃꯤꯑꯣꯏꯁꯤꯡ ꯑꯗꯨꯗꯒꯤ ꯗ꯭ꯔꯣ ꯑꯣꯠꯆꯔꯒ ꯂꯥꯏꯕꯛ ꯐꯕ ꯃꯤꯁꯛ
ꯑꯃ ꯈꯟꯖꯒꯅꯤ꯫ ꯂꯣꯏꯅꯅ ꯈꯜꯂꯕ ꯃꯤꯁꯛ ꯑꯗꯨꯗ ꯃꯅꯥ ꯄꯤꯖꯒꯅꯤ꯫

ꯃꯅꯤꯄꯨꯔꯒꯤ ꯇ꯭ꯔꯦꯗ ꯑꯣꯔꯒꯅꯥꯏꯖꯦꯁꯟꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ ꯃꯥꯏꯅꯔ ꯏꯔꯤꯒꯦꯁꯟ ꯁꯤꯟꯃꯤꯒꯤ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ

- ꯔꯥꯅꯥꯄ꯭ꯔꯇꯥꯞ ꯌꯨꯝꯅꯥꯝ -

Pseudomonas aeruginosa haIbsi
Pseudomonas ꯀꯥꯡꯂꯨꯞꯁꯤꯡꯒꯤ ꯃꯔꯛꯇ
ꯃꯤꯑꯣꯏꯕꯗ ꯁꯥꯊꯤꯕ ꯂꯥꯏꯅꯥꯁꯤꯡ ꯄꯣꯛꯍꯟꯕ ꯉꯝꯕ
ꯕꯦꯛꯇꯔꯤꯌꯥ (ꯃꯍꯤꯛ) ꯑꯃꯅꯤ꯫ ꯃꯁꯤꯅ ꯏ, ꯊꯕꯣꯝꯕꯤ
(ꯅ꯭ꯌꯨꯃꯣꯅꯤꯌꯥ) ꯅꯠꯇ꯭ꯔꯒ ꯃꯩꯅ ꯄꯣꯛꯄ ꯅꯠꯇ꯭ꯔꯒ
ꯊꯥꯡ ꯊꯥꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯒꯤ ꯑꯁꯣꯛꯄ ꯃꯐꯝꯁꯤꯡꯗ
ꯏꯟꯐꯦꯛꯁꯟ ꯇꯣꯏꯅ ꯇꯧꯍꯜꯂꯤ꯫ ꯕꯦꯛꯇꯔꯤꯌꯥ ꯃꯈꯜ
ꯑꯁꯤ ꯑꯦꯟꯇꯤꯕꯥꯏꯑꯣꯇꯤꯛꯁꯤꯡꯕꯨ ꯃꯌꯥꯏ ꯆꯝꯍꯟꯕ ꯉꯝꯕ
ꯍꯥꯏꯕꯗꯤ ꯑꯦꯟꯇꯤꯕꯥꯏꯑꯣꯇꯤꯛꯁꯤꯡꯅ ꯃꯈꯣꯏꯗ ꯄꯤꯔꯛꯄ
ꯑꯌꯦꯠ-ꯑꯄꯟꯁꯤꯡ ꯑꯗꯨꯗꯒꯤ ꯅꯥꯊꯩꯔꯒ ꯍꯤꯡꯕ ꯉꯝꯃꯤ꯫
ꯑꯇꯣꯞꯄ ꯂꯣꯟꯗꯥꯗ ꯍꯥꯏꯔꯒ ꯃꯈꯣꯏꯁꯤ ꯑꯦꯟꯇꯤꯕꯥꯏꯑꯣꯇꯤꯛ
ꯀꯌꯥꯃꯨꯛꯇ ꯔꯤꯖꯤꯁꯇꯟꯗ ꯑꯣꯏ꯫ ꯑꯗꯨꯅ ꯃꯈꯣꯏꯅ ꯊꯣꯛꯍꯟꯕ
ꯏꯟꯐꯦꯛꯁꯟꯁꯤꯡꯁꯤ ꯂꯥꯌꯦꯡꯕꯗ ꯑꯔꯨꯕ/ꯑꯋꯥꯕ ꯑꯃ ꯑꯣꯏ꯫
ꯑꯗꯨꯕꯨ ꯑꯁꯤꯒꯨꯝꯕ ꯏꯟꯐꯦꯛꯁꯟꯁꯤꯡꯁꯤ ꯊꯦꯡꯅꯅꯕꯒꯤꯗꯃꯛ
ꯊꯤꯖꯤꯜꯂꯛꯈꯤꯕ ꯁꯥꯏꯟꯇꯤꯁꯠꯁꯤꯡꯅ Pseudomonas
aeruginosa ꯅ ꯊꯣꯛꯍꯟꯕ ꯊꯕꯣꯝꯕꯤꯒꯤ ꯏꯟꯐꯦꯛꯁꯟꯁꯤꯡꯕꯨ
ꯃꯥꯏꯊꯤꯕ ꯄꯤꯕ ꯉꯝꯒꯗꯕ ‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’ ꯑꯃ ꯄꯨꯊꯣꯛꯂꯦ
ꯍꯥꯏꯔꯤ꯫

ꯂꯥꯌꯦꯡꯕꯒꯤ ꯄꯊꯥꯞ ꯑꯁꯤ ‘ꯇꯤꯡꯈꯪꯅ ꯌꯨꯔꯕꯗꯤ ꯇꯤꯡꯈꯪꯅ ꯍꯜꯂꯨ’
ꯍꯥꯏꯕ ꯑꯗꯨꯒ ꯍꯥꯏꯐꯦꯠ ꯃꯥꯟꯅꯩ꯫ ‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’ ꯑꯁꯤꯗ
Mycoplasma pneumonia haIrib swBr hoNbgi
ꯂꯝꯕꯤꯗ ꯏꯟꯐꯦꯛꯁꯟ ꯇꯧꯗꯨꯅ ꯂꯥꯏꯅꯥ ꯀꯌꯥꯃꯨꯛ ꯄꯣꯛꯍꯟꯕ ꯉꯝꯕ
ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯁꯤ ꯁꯤꯖꯤꯟꯅꯔꯤ꯫ ꯂꯥꯌꯦꯡ ꯄꯊꯥꯞ ꯑꯁꯤꯒꯤꯗꯃꯛ M. pneumonia ꯗ ꯌꯥꯎꯔꯤꯕ ꯂꯥꯏꯅꯥ ꯄꯣꯛꯍꯟꯕ ꯉꯝꯕꯒꯤ ꯁꯛꯇꯤꯗꯨ ꯑꯦꯟꯖꯤꯅꯤꯌꯥꯔꯤꯡ ꯕꯥꯏꯑꯣꯂꯣꯖꯤꯒꯤ ꯄꯥꯝꯕꯩꯅ ꯂꯧꯊꯣꯛꯏ ꯑꯗꯨꯒ ꯔꯤꯄ꯭ꯔꯣꯒ꯭ꯔꯥꯃꯤꯡ ꯇꯧꯏ꯫ ꯑꯁꯨꯝꯅ ꯖꯤꯅꯦꯇꯤꯀꯜꯂꯤ ꯁꯦꯝꯗꯣꯛꯂꯕ M. pneumonia Asin P. aeruginosa d laN tasiLli AmsuZ haTtoKI> HijiNb ꯁꯥꯏꯟꯇꯤꯁꯠꯁꯤꯡ ꯑꯁꯤꯅ ꯑꯅꯧꯕ ꯂꯥꯌꯦꯡ ꯄꯊꯥꯞ ꯑꯁꯤꯒꯤ ꯀꯥꯟꯅꯕꯒꯤ ꯃꯇꯥꯡꯗ ꯎꯆꯤꯁꯤꯡꯗ ꯆꯥꯡꯌꯦꯡꯁꯤꯡ ꯄꯥꯡꯊꯣꯛꯈꯤ꯫ ꯇ꯭ꯔꯤꯠꯃꯦꯟꯠ ꯑꯁꯤꯒꯤ ꯁꯤꯡꯒꯜ, ꯍꯥꯏ ꯗꯣꯖ ꯄꯤꯕꯗꯒ ꯊꯕꯣꯝꯕꯤꯗ ꯍꯨ ꯀꯥꯍꯟꯕꯒꯤ ꯊꯧꯑꯣꯡꯁꯤꯡ ꯊꯣꯔꯛꯄ ꯊꯦꯡꯅꯈꯤꯗꯦ, ꯑꯗꯨꯒ ꯎꯆꯤꯗꯨꯒꯤ ꯏꯃ꯭ꯌꯨꯟ ꯁꯤꯁꯇꯝꯅ ꯁꯦꯝꯗꯣꯛꯂꯕ ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯗꯨꯕꯨ ꯅꯨꯃꯤꯠ ꯃꯔꯤꯅꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯁꯦꯡꯗꯣꯛꯄ ꯉꯝꯈꯤ ꯍꯥꯏꯅ ‘ꯅꯦꯆꯔ ꯕꯥꯏꯑꯣꯇꯦꯛꯅꯣꯂꯣꯖꯤ’ ꯗ ꯐꯣꯡꯗꯣꯔꯛꯂꯤ꯫ ꯊꯤꯖꯤꯟꯕꯒꯤ ꯊꯕꯛ ꯑꯁꯤ Centre ꯐꯣꯔ
ꯘꯦꯅꯣꯃꯤꯆ Regulation (CRG) ꯑꯃꯁꯨꯡ Pulmobiotics ꯀꯥ ꯂꯣꯏꯅꯅ ꯏꯅꯁꯇꯤꯇꯨꯇꯦ d’Investigations Biomediques august Pi i Sunyer (IDIBAPS), ꯊꯣꯁꯄꯤꯇꯥꯂ Clinic ꯗꯦ Barcelona ꯑꯃꯁꯨꯡ ꯏꯅꯁꯇꯤꯇꯨꯇꯦ of Agrobiotechnology (IdAB) ꯅ ꯄꯥꯡꯊꯣꯛꯈꯤꯕꯅꯤ, ꯑꯗꯨꯒ “ꯂꯥ Caixa” Foundation ꯅ ꯁꯦꯟꯊꯪ ꯄꯤꯈꯤꯕꯅꯤ꯫ P. qeruginosa ꯒꯤ ꯏꯟꯐꯦꯛꯁꯟꯁꯤꯡꯁꯤ ꯂꯥꯌꯦꯡꯕꯗ ꯑꯔꯨꯕ ꯑꯣꯏ ꯃꯔꯝꯗꯤ ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯁꯤ ꯕꯥꯏꯑꯣꯐꯤꯜꯝꯁꯤꯡ ꯁꯦꯝꯂꯤꯕ ꯀꯃ꯭ꯌꯨꯅꯤꯇꯤꯁꯤꯡꯗ ꯐꯪꯏ꯫ ꯕꯥꯏꯑꯣꯐꯤꯜꯝꯁꯤꯡꯁꯤ ꯄꯣꯠ ꯑꯃꯒꯤ ꯂꯩꯃꯥꯏꯗ ꯅꯞꯁꯤꯟꯗꯨꯅ ꯂꯩꯕ ꯉꯝꯃꯤ, ꯑꯗꯨꯒ ꯑꯦꯟꯇꯤꯕꯥꯏꯑꯣꯇꯤꯛꯁꯤꯡꯅ ꯆꯪꯕ ꯉꯝꯗꯕ ꯁ꯭ꯇ꯭ꯔꯛꯆꯔꯁꯤꯡ ꯁꯦꯝꯂꯒ ꯂꯩ꯫ P. aeruginosa ꯕꯥꯏꯑꯣꯐꯤꯜꯝꯁꯤꯡꯁꯤ ꯁ꯭ꯋꯔ ꯍꯣꯟꯅꯕꯒꯤꯗꯃꯛ ꯃꯦꯀꯥꯅꯤꯀꯜ ꯚꯦꯟꯇꯤꯂꯦꯇꯔꯁꯤꯡ ꯗꯔꯀꯥꯔ ꯑꯣꯏꯔꯤꯕ, ꯁꯥꯊꯤꯅ ꯅꯥꯔꯕ ꯑꯅꯥꯕꯁꯤꯡꯒꯤ endotracheal ꯇꯨꯕꯦ ꯁꯤꯡꯒꯤ ꯂꯩꯃꯥꯏꯗ ꯍꯧꯔꯛꯄ ꯉꯝꯃꯤ꯫ ꯃꯁꯤꯅ ꯚꯦꯟꯇꯤꯂꯦꯇꯔ-ꯑꯦꯁꯣꯁꯤꯑꯦꯇꯦꯗ ꯅ꯭ꯌꯨꯃꯣꯅꯤꯌꯥ (VAP) ꯊꯣꯛꯍꯟꯕ ꯌꯥꯏ꯫ ꯇ꯭ꯌꯨꯕ ꯊꯤꯡꯖꯤꯟꯗꯨꯅ ꯁ꯭ꯋꯔ ꯍꯣꯜꯍꯜꯂꯤꯕ ꯑꯅꯥꯕ ꯃꯔꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯑꯃ (9-27%) ꯗ ꯑꯁꯤꯒꯨꯝꯕ ꯐꯤꯚꯝꯁꯤ ꯍꯦꯛ ꯍꯦꯛ ꯊꯣꯛꯏ꯫ ꯐꯤꯚꯝꯁꯤ ꯀꯣꯚꯤꯗ-19 ꯒꯤ
ꯁꯥꯊꯤꯔꯕ, ꯇ꯭ꯌꯨꯕ ꯍꯥꯞꯂꯤꯕ ꯑꯅꯕꯥꯁꯤꯡꯗꯗꯤ
50% ꯐꯥꯎꯕ ꯊꯣꯛꯄꯒꯤ ꯐꯤꯚꯝ ꯊꯦꯡꯅꯈꯤ꯫
VAP ꯑꯁꯤꯅ ꯏꯟꯇꯦꯟꯁꯤꯚ ꯀ꯭ꯌꯦꯔ ꯌꯨꯅꯤꯠ
(ꯑꯥꯏ ꯁꯤ ꯌꯨꯅꯤꯠ ꯏ(ꯑꯥꯏ ꯁꯤ ꯌꯨ) ꯗ ꯂꯩꯔꯤꯕ
ꯑꯅꯥꯕ ꯅꯤꯄꯥꯜꯒꯤ ꯃꯅꯨꯡꯗ ꯑꯃ (9-13%)
ꯐꯥꯎꯕ ꯍꯥꯠꯂꯤ ꯍꯥꯏꯔꯤ꯫
ꯊꯤꯖꯤꯟꯈꯤꯕ ꯁꯥꯏꯟꯇꯤꯁꯠꯁꯤꯡ
ꯑꯁꯤꯅ ꯑꯦꯟꯖꯤꯅꯤꯌꯔꯤꯡꯒꯤ ꯄꯥꯝꯕꯩꯅ
M. pneumonia bu seMdoKtun
ꯕꯥꯏꯑꯣꯐꯤꯜꯝꯁꯤꯡꯕꯨ ꯇꯨꯝꯍꯟꯈꯤꯅꯕ
ꯍꯣꯠꯅꯔꯝꯃꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯇꯥꯡꯗ
ꯆꯥꯡ ꯌꯦꯡꯅꯕꯒꯤꯗꯃꯛ ꯃꯈꯣꯏꯅ P.

aeruginosa baIAofiLMsiZbu AaI si
yud lErib AnabsiZgi endotracheal
ꯇꯨꯕꯦ ꯁꯤꯡꯗꯒꯤ ꯈꯣꯝꯖꯤꯜꯂꯝꯃꯤ꯫ ꯂꯥꯏꯕꯛ
ꯐꯔꯤꯕꯗꯤ, ꯃꯈꯣꯏꯒꯤ ꯆꯥꯡꯌꯦꯡ ꯑꯗꯨꯗ
ꯕꯥꯏꯑꯣꯐꯤꯜꯝꯁꯤꯡꯕꯨ ꯇꯨꯡꯍꯟꯕ ꯉꯝꯈꯤ꯫
seMdoKlb M. pneumonia g
ꯂꯣꯏꯅꯅ ꯑꯦꯟꯇꯤꯕꯥꯏꯑꯣꯇꯤꯛꯀꯤ ꯌꯥꯝꯗꯕ ꯗꯣꯖꯁꯤꯡꯒ ꯁꯤꯖꯤꯟꯅꯈꯤꯕ ꯇ꯭ꯔꯤꯠꯃꯦꯟꯠ ꯑꯁꯤꯅ ꯕꯦꯛꯇꯔꯤꯌꯥꯒꯤ ꯁꯦꯜ ꯋꯥꯜꯁꯤꯡꯗ ꯑꯄꯤꯛꯄ ꯃꯈꯨꯜ ꯍꯨꯠꯂꯤ ꯑꯗꯨꯒ ꯑꯦꯟꯇꯤꯕꯥꯏꯑꯣꯇꯤꯛꯁꯤꯡꯕꯨ ꯆꯪꯍꯟꯈꯤ ꯑꯃꯁꯨꯡ ꯃꯐꯝꯗꯨꯗ ꯂꯩꯔꯤꯕ ꯏꯟꯐꯦꯛꯁꯟꯕꯨ ꯀꯣꯛꯍꯟꯕ ꯉꯝꯃꯤ ꯍꯥꯏꯅ Pulmobiotics ꯀꯤ ꯁꯥꯏꯟꯇꯤꯐꯤꯛ ꯑꯣꯐꯤꯁꯔ ꯙꯔ. Maria Lluch ꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫

M. pneumonia ꯑꯁꯤ ꯕꯦꯛꯇꯔꯤꯌꯥꯒꯤ ꯃꯁꯛ ꯈꯪꯂꯕ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯄꯤꯛꯄ ꯁ꯭ꯄꯦꯁꯤꯁꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ ꯑꯃꯅꯤ꯫ CRG ꯒꯤ ꯗꯤꯔꯦꯛꯇꯔ ꯙꯔ. Luis ꯈꯦꯔꯔꯥꯅꯣ ꯅ
ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯁꯤꯕꯨ ꯁꯦꯝꯗꯣꯛꯇꯨꯅ ‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’
ꯑꯣꯏꯅ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯋꯥꯈꯜꯂꯣꯟ ꯑꯁꯤ ꯗꯤꯀꯦꯗ ꯑꯅꯤꯒꯤ
ꯃꯃꯥꯡꯗꯒꯤ ꯈꯟꯕ ꯍꯧꯔꯛꯈꯤꯕꯅꯤ꯫ ꯃꯍꯥꯛꯀꯤ ꯃꯔꯨ
ꯑꯣꯏꯕ ꯊꯕꯛꯁꯤ ꯁꯤꯟꯊꯦꯇꯤꯛ ꯕꯥꯏꯑꯣꯂꯣꯖꯤꯒꯤ ꯃꯇꯦꯡꯅ
ꯍꯥꯏꯕꯗꯤ ꯑꯣꯔꯒꯥꯅꯤꯖꯝꯁꯤꯡꯕꯨ ꯔꯦꯄꯨꯔꯄꯣꯁꯤꯅꯒ ꯑꯃꯁꯨꯡ
ꯑꯦꯟꯖꯤꯅꯤꯌꯥꯔꯤꯡ ꯇꯧꯔꯒ ꯑꯣꯔꯒꯥꯅꯤꯖꯝ ꯑꯗꯨꯗ ꯑꯅꯧꯕ
ꯀꯥꯟꯅꯕ ꯃꯒꯨꯟꯁꯤꯡ ꯆꯦꯜꯍꯟꯕꯅꯤ꯫ ꯖꯤꯟ 684 ꯈꯛꯇꯃꯛ ꯌꯥꯎꯕ
ꯑꯗꯨꯒ ꯁꯦꯜ ꯋꯥꯜꯅ ꯌꯥꯎꯗꯕ M. pneumonia ꯑꯁꯤ ꯑꯁꯤꯒꯨꯝꯕ
ꯑꯈꯟꯅꯕ ꯑꯦꯄ꯭ꯂꯤꯀꯦꯁꯟꯁꯤꯡꯒꯤꯗꯃꯛ ꯑꯦꯟꯖꯤꯅꯤꯌꯥꯔꯤꯡ
ꯕꯥꯏꯑꯣꯂꯣꯖꯤꯗ ꯁꯤꯖꯤꯟꯅꯕ ꯍꯥꯏꯕꯁꯤ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯝꯃꯤ ꯑꯃꯁꯨꯡ
ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯃꯄꯨꯡ ꯐꯥꯕ ꯑꯣꯏꯍꯟꯕ ꯉꯝꯃꯤ꯫
ꯁ꯭ꯋꯔ ꯍꯣꯟꯕꯒ ꯂꯥꯏꯅꯥꯁꯤꯡꯕ ꯂꯥꯌꯦꯡꯕꯗ M. pneumonia
ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯑꯇꯣꯞꯄ ꯈꯨꯗꯣꯡꯆꯥꯕ ꯑꯃꯅ : ꯃꯁꯤꯅ ꯊꯕꯣꯝꯕꯤꯒꯤ
ꯇꯤꯁꯨꯗ ꯃꯍꯧꯁꯥꯒꯤ ꯑꯣꯏꯕ ꯊꯧꯑꯣꯡꯅ ꯍꯤꯡꯕ ꯉꯝꯕ ꯑꯁꯤꯅꯤ꯫
ꯁꯦꯝꯗꯣꯛꯂꯕ ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯁꯤ ꯀꯥꯞꯁꯤꯟꯕ ꯃꯇꯝꯗ ꯃꯁꯤꯅ
ꯔꯦꯁꯄꯤꯔꯦꯇꯔꯤ ꯏꯟꯐꯦꯛꯁꯟꯒꯤ ꯍꯧꯔꯛꯐꯝ ꯑꯗꯨꯗ ꯆꯪꯈꯤ
ꯑꯗꯨꯒ ꯐꯦꯛꯇꯔꯤ ꯑꯃꯒꯤ ꯃꯇꯧꯒꯨꯝꯅ ꯑꯅꯥ-ꯂꯥꯌꯦꯡꯕꯗ ꯀꯥꯟꯅꯔꯕ
ꯊꯦꯔꯥꯄ꯭ꯌꯨꯇꯤꯛ ꯃꯣꯂꯤꯀ꯭ꯌꯨꯜ ꯀꯌꯥꯃꯨꯛ ꯄꯨꯊꯣꯔꯛꯏ꯫ ꯑꯁꯤꯒꯨꯝꯕ
ꯃꯒꯨꯟꯁꯤꯡ ꯑꯁꯤ ꯆꯦꯟꯕ ꯂꯥꯌꯦꯡ-ꯄꯊꯥꯞ ꯑꯁꯤ ꯑꯇꯣꯞꯄ ꯁ꯭ꯋꯔ
ꯍꯣꯟꯕꯒ ꯃꯔꯤ ꯂꯩꯅꯕ ꯂꯥꯏꯅꯥꯁꯤꯡ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯂꯪꯁ ꯀꯦꯟꯁꯔ
ꯅꯠꯇ꯭ꯔꯒ ꯑꯦꯖꯃꯥꯒꯨꯝꯕ ꯂꯥꯏꯅꯥꯁꯤꯡ ꯂꯥꯌꯦꯡꯕꯗꯁꯨ ꯁꯤꯖꯤꯟꯅꯕ
ꯌꯥꯕꯒꯤ ꯑꯣꯏꯊꯣꯛꯄ ꯂꯩ ꯍꯥꯏꯔꯤ꯫ ꯑꯇꯣꯞꯄ ꯑꯃꯔꯣꯝꯗꯅ
ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯁꯤꯕꯨ ꯁꯦꯝꯗꯣꯛꯂꯕ ꯆꯌꯇꯣꯀꯤꯅꯦꯁ, nanobodies ꯅꯠꯇ꯭ꯔꯒ ꯗꯦꯐꯦꯅꯁꯤꯅꯁ ꯒꯨꯝꯕ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯄꯦꯂꯣꯗꯁꯤꯡ ꯄꯨꯗꯨꯅ ꯆꯠꯍꯟꯕꯗꯁꯨ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯥꯒꯅꯤ ꯍꯥꯏꯅ ꯙꯔ. Luis ꯈꯦꯔꯔꯥꯅꯣ ꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫

‘ꯃꯣꯂꯤꯀ꯭ꯌꯨꯂꯔ ꯁꯤꯁꯇꯝꯁ ꯕꯥꯏꯑꯣꯂꯣꯖꯤ’ ꯗ ꯍꯥꯟꯅ ꯐꯣꯡꯗꯣꯛꯈ꯭ꯔꯕ ꯄꯥꯎꯗꯝ ꯑꯃꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ, ‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’ ꯄꯨꯊꯣꯛꯄꯈꯛꯇ ꯅꯠꯇꯅ ꯙꯔ. ꯈꯦꯔꯔꯥꯅꯣ ꯅ ꯂꯨꯆꯤꯡꯗꯨꯅ M. pneumonia ꯁꯤꯖꯤꯟꯅꯔꯒ ꯄ꯭ꯔꯣꯇꯤꯟꯁꯤꯡꯕꯨ ꯄꯨꯗꯨꯅ ꯆꯠꯍꯟꯕꯒꯤ ꯑꯇꯣꯞꯄ ꯆꯥꯡꯌꯦꯡ ꯑꯃꯁꯨ ꯄꯥꯡꯊꯣꯛꯈ꯭ꯔꯦ꯫ ꯏꯟꯐꯦꯛꯁꯟ ꯇꯧꯕꯗꯒꯤ ꯊꯣꯔꯛꯄ ꯍꯦꯟꯖꯤꯟꯕ ꯅꯠꯇ꯭ꯔꯒ ꯃꯇꯝ ꯀꯨꯏꯔꯕ ꯏꯟꯐ꯭ꯂꯦꯃꯦꯁꯟꯅ ꯊꯕꯣꯝꯕꯤꯒꯤ ꯇꯤꯁꯨꯁꯤꯡꯕꯨ ꯃꯥꯡ-ꯇꯥꯛꯍꯜꯂꯤ꯫ ꯏꯟꯐ꯭ꯂꯦꯃꯦꯁꯟ ꯑꯁꯤꯕꯨ ꯊꯦꯡꯅꯅꯕꯒꯤꯗꯃꯛ ꯏꯃ꯭ꯌꯨꯟ ꯁꯤꯁꯇꯝꯅ ꯁꯥꯏꯇꯣꯀꯥꯏꯟꯒꯨꯝꯕ ꯃꯦꯗꯤꯑꯦꯇꯔ ꯄ꯭ꯔꯣꯇꯤꯟꯁꯤꯡ ꯊꯥꯗꯣꯔꯛꯏ꯫ ꯏꯜ-10 ꯀꯧꯕ ꯁꯥꯏꯇꯣꯀꯥꯏꯟ ꯃꯈꯜ ꯑꯁꯤ ꯑꯦꯟꯇꯤ-ꯏꯟꯐ꯭ꯂꯦꯃꯦꯇꯔꯤꯒꯤ ꯃꯒꯨꯟ ꯆꯦꯟꯕ ꯁꯥꯏꯇꯣꯀꯥꯏꯟ ꯃꯈꯜ ꯑꯁꯤ ꯑꯦꯟꯇꯤ-ꯏꯟꯐ꯭ꯂꯦꯃꯦꯇꯔꯤꯒꯤ ꯃꯒꯨꯟ ꯆꯦꯟꯕ ꯁꯥꯏꯇꯣꯀꯥꯏꯟ ꯑꯃꯅꯤ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯗ ꯑꯅꯥ-ꯂꯥꯌꯦꯡꯒꯤ ꯑꯣꯏꯕ ꯄꯨꯛꯅꯤꯡ ꯆꯤꯡꯁꯤꯟꯅꯤꯡꯉꯥꯏ ꯑꯣꯏ꯫ ꯃꯁꯤꯒꯤ ꯆꯥꯡꯌꯦꯡꯁꯤꯗꯅ, ꯃꯈꯣꯏꯅ ꯄ꯭ꯔꯣꯇꯤꯟ-ꯗꯤꯖꯥꯏꯟ ꯐꯣꯐꯠꯋꯦꯌꯔ ꯑꯅꯤ ModelX ꯑꯃꯁꯨꯡ FoldX ꯁꯤꯖꯤꯟꯅꯔꯒ ꯏꯜ-10 ꯒꯤ ꯑꯅꯧꯕ ꯚꯔꯁꯟꯁꯤꯡ ꯁꯦꯝꯒꯠꯂꯒ ꯏꯟꯐ꯭ꯂꯦꯃꯦꯁꯟꯕꯨ ꯂꯥꯌꯦꯡꯕꯒꯤ ꯄꯥꯟꯗꯝ ꯊꯝꯈꯤ꯫ ꯁꯥꯏꯇꯣꯀꯥꯏꯟꯁꯤꯡꯗꯨ ꯌꯥꯝꯅ ꯀꯥꯟꯅꯕ ꯃꯑꯣꯡꯗ ꯁꯦꯝꯒꯠꯅꯕꯒꯤꯗꯃꯛ ꯗꯤꯖꯥꯏꯟ ꯇꯧꯈꯤ, ꯍꯥꯏꯕꯗꯤ ꯁꯥꯏꯇꯣꯀꯥꯏꯟꯁꯤꯡꯒꯤ ꯆꯥꯡꯅ ꯍꯟꯊꯍꯜꯂꯒ ꯀꯥꯟꯅꯕꯒꯤ ꯆꯥꯡꯅ ꯃꯥꯟꯅꯍꯟꯕ ꯍꯥꯏꯕꯁꯤꯅꯤ꯫ ꯑꯁꯨꯝꯅ ꯑꯦꯟꯖꯤꯅꯤꯌꯥꯔꯤꯡꯒꯤ ꯄꯥꯝꯕꯩꯅ ꯁꯦꯝꯗꯣꯛꯂꯕ M. pneumonia ꯒꯤ ꯁ꯭ꯇ꯭ꯔꯦꯟꯁꯤꯡꯗꯨꯅ ꯁꯥꯏꯇꯣꯀꯥꯏꯟꯁꯤꯡꯕꯨ ꯑꯦꯛꯄ꯭ꯔꯦꯁ ꯇꯧꯕ ꯉꯝꯂꯝꯃꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯇꯨꯡꯗ, ꯑꯦꯀ꯭ꯌꯨꯠ P. aeruginosa ꯏꯟꯐꯦꯛꯁꯟ ꯂꯩꯔꯕ ꯎꯆꯤꯒꯤ ꯊꯕꯣꯝꯕꯤꯗ ꯃꯁꯤꯅ ꯀꯔꯤ ꯀꯥꯟꯅꯕ ꯄꯤꯕꯒꯦ ꯍꯥꯏꯕꯗꯨ ꯆꯥꯡ ꯌꯦꯡꯂꯝꯃꯤ꯫ ꯏꯜ-10 ꯒꯤ ꯑꯦꯟꯖꯤꯅꯤꯌꯥꯔꯤꯡꯒꯤ ꯄꯥꯝꯕꯩꯅ ꯅꯧꯅ ꯄꯨꯊꯣꯔꯛꯂꯤꯕ ꯚꯔꯁꯟꯁꯤꯡꯅ ꯋꯤꯂꯗ-ꯇꯌꯄꯦ ꯏꯜ-10 ꯆꯌꯇꯣꯀꯤꯅꯦ ꯗꯒꯤ ꯍꯦꯟꯅ ꯀꯥꯟꯅꯕ ꯊꯦꯡꯅꯔꯝꯃꯤ꯫
ꯃꯊꯛꯇ ꯄꯟꯈ꯭ꯔꯤꯕ ꯂꯥꯌꯦꯡ ꯄꯊꯥꯞ ꯑꯅꯤ ꯑꯁꯤ ꯑꯍꯥꯟꯕ ꯆꯥꯡꯌꯦꯡꯁꯤꯡꯗ ꯃꯥꯏ ꯄꯥꯛꯂꯦ ꯍꯥꯏꯅ ꯂꯧꯕ ꯌꯥꯔꯕꯁꯨ, ꯀ꯭ꯂꯤꯅꯤꯀꯦꯜ ꯇ꯭ꯔꯥꯏꯑꯦꯜ ꯆꯠꯊꯗ꯭ꯔꯤꯉꯩꯒꯤ ꯃꯃꯥꯡꯗ ꯃꯈꯥ ꯇꯥꯕ ꯆꯥꯡꯌꯦꯡꯁꯤꯡ ꯄꯥꯡꯊꯣꯛꯈꯤꯒꯗꯧꯔꯤ ꯍꯥꯏꯅ ꯊꯤꯖꯤꯜꯂꯤꯕ ꯁꯥꯏꯟꯇꯤꯁꯠꯁꯤꯡ ꯑꯁꯤꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫ ‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’ ꯑꯁꯤꯕꯨ
ꯁꯤꯖꯤꯟꯅꯗꯨꯅ VAP
ꯕꯨ ꯂꯥꯌꯦꯡꯅꯕꯒꯤꯗꯃꯛ
ꯁꯥꯏꯟꯇꯤꯁꯠꯁꯤꯡ ꯑꯁꯤꯅ
ꯃꯈꯥ ꯇꯥꯅ ꯎꯆꯤꯁꯤꯡꯗ
ꯊꯤꯖꯤꯟ-ꯍꯨꯝꯖꯤꯟꯕꯒꯤ
ꯊꯕꯛꯁꯤ ꯄꯥꯡꯊꯣꯛꯈꯤꯕꯅꯤ
ꯍꯥꯏꯔꯤ꯫ ꯂꯥꯌꯦꯡ ꯄꯊꯥꯞ
ꯑꯁꯤ ꯅꯦꯕꯨꯂꯥꯏꯖꯔ ꯑꯃ
ꯁꯤꯖꯤꯟꯅꯔꯒ ꯅꯠꯇ꯭ꯔꯒ
ꯍꯤꯗꯥꯛ ꯃꯍꯤ ꯑꯃꯕꯨ
ꯃꯅꯤꯜꯗ ꯑꯣꯟꯊꯣꯛꯇꯨꯅ
ꯃꯥꯎꯊꯄꯤꯁ ꯅꯠꯇ꯭ꯔꯒ
ꯃꯥꯁꯛ ꯑꯃꯒꯤ ꯃꯇꯦꯡꯅ
ꯁ꯭ꯋꯔ ꯍꯣꯟꯖꯤꯟꯕꯗ
ꯌꯥꯎꯍꯟꯈꯤꯕ ꯉꯝꯕ
ꯗꯤꯚꯥꯏ ꯑꯃ ꯁꯤꯖꯤꯟꯅꯔꯒ
ꯄꯥꯡꯊꯣꯛꯄ ꯌꯥꯒꯅꯤ꯫

ꯀꯔꯤꯒꯨꯝꯕ ‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’ ꯍꯥꯏꯕꯗꯤ ꯃꯍꯤꯛ ꯑꯃꯕꯨ ꯁꯦꯝꯗꯣꯛꯇꯨꯅ ꯑꯅꯥ-ꯂꯥꯌꯦꯡꯗ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ
ꯊꯕꯛ ꯑꯁꯤꯅ ꯇꯁꯦꯡꯅ ꯀ꯭ꯂꯤꯅꯤꯀꯜ ꯇ꯭ꯔꯥꯏꯑꯦꯜꯗ ꯃꯥꯏ ꯄꯥꯛꯂꯛꯂꯕꯗꯤ ꯑꯦꯟꯇꯤꯕꯥꯏꯑꯣꯇꯤꯛ
ꯔꯤꯖꯤꯁꯇꯦꯟꯠ ꯕꯦꯛꯇꯔꯤꯌꯥꯁꯤꯡꯕꯨ ꯃꯥꯏꯊꯤꯕ ꯄꯤꯕ ꯉꯝꯂꯒꯅꯤ ꯍꯥꯏꯅ ꯂꯧꯕ ꯌꯥꯔꯦ꯫=

ꯕꯦꯛꯇꯔꯤꯌꯥꯕꯨ ‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’ ꯑꯣꯏꯅ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯊꯕꯣꯝꯕꯤꯒꯤ ꯏꯟꯐꯦꯛꯁꯟꯁꯤꯡꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯄ
ꯁꯥꯏꯟꯁꯀꯤ ꯈꯣꯡꯆꯠ
ꯀꯨꯟꯖꯣ ꯅꯥꯎꯔꯦꯝ
ꯃꯅꯤꯄꯨꯔ ꯂꯩꯉꯥꯛꯀꯤ ꯃꯈꯥꯗ ꯂꯩꯕ ꯗꯤꯄꯥꯔꯠꯃꯦꯟꯠ
ꯑꯃ ꯑꯣꯏꯅ ꯃꯥꯏꯅꯔ ꯏꯔꯤꯒꯦꯁꯟ ꯗꯤꯄꯥꯔꯠꯃꯦꯟꯠ
ꯂꯝꯐꯦꯜꯄꯥꯠꯀꯤ ꯈꯥ ꯅꯣꯡꯄꯣꯛ ꯑꯣꯏꯅ ꯂꯥꯡꯒꯣꯜ ꯂꯥꯏꯔꯦꯝꯕꯤ ꯑꯃꯗꯤ ꯂꯥꯡꯒꯣꯜ ꯅꯤꯡꯊꯧ ꯑꯅꯤꯒꯤ ꯃꯁꯥꯏꯀꯣꯟꯗ ꯂꯩꯔꯤꯕꯅꯤ꯫ ꯃꯁꯤꯒꯤ ꯑꯀꯣꯏꯕꯗ ꯏꯟꯗꯤꯌꯥꯒꯤ ꯑꯋꯥꯡ ꯅꯣꯡꯄꯣꯛ ꯂꯝꯗꯝꯒꯤ ꯂꯦꯝꯖꯅꯤꯡꯉꯥꯏ ꯑꯣꯏꯔꯕ ꯔꯤꯖꯅꯦꯜ ꯏꯟꯁꯇꯤꯇ꯭ꯌꯨꯠ ꯑꯣꯐ ꯃꯦꯗꯤꯀꯦꯜ ꯁꯥꯏꯟꯁꯦꯁ, ꯂꯝꯐꯦꯜ ꯄꯨꯂꯤꯁ ꯁ꯭ꯇꯦꯁꯟ, ꯂꯩꯉꯥꯛꯀꯤ ꯃꯔꯨ ꯑꯣꯏ ꯍꯥꯏꯕ ꯑꯣꯐꯤꯁꯜ ꯀꯌꯥꯅ ꯂꯩꯅꯕ ꯀ꯭ꯋꯥꯔꯇꯔ ꯀꯌꯥ ꯑꯃꯁꯨ ꯂꯩꯔꯤ꯫ ꯂꯣꯏꯁꯪ ꯑꯁꯤ ꯌꯥꯝꯅꯃꯛ ꯂꯤꯔꯕ ꯑꯣꯏꯗ꯭ꯔꯕꯁꯨ ꯃꯤꯌꯥꯝꯒꯤ ꯑꯃꯁꯨꯡ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯂꯧꯎ-ꯁꯤꯡꯎꯔꯤꯕ ꯃꯅꯥ-ꯃꯁꯤꯡ ꯊꯥꯗꯨꯅ ꯏꯪꯈꯣꯜ ꯀꯣꯏꯔꯤꯕ ꯀꯌꯥꯒꯤ ꯍꯧꯈꯤꯕ ꯍꯆꯤ 50 ꯍꯦꯟꯅ ꯊꯧꯒꯜ ꯇꯧꯗꯨꯅ ꯂꯥꯛꯂꯕꯅꯤ꯫ ꯃꯁꯤꯃꯛꯅ ꯁꯤꯟꯃꯤ ꯀꯌꯥ ꯔꯦꯒ꯭ꯌꯨꯂꯔ, ꯋꯥꯔꯛ ꯆꯥꯔꯖ ꯑꯃꯁꯨꯡ ꯃꯥꯁꯇꯔꯔꯣꯜ ꯀꯌꯥ ꯊꯕꯛꯇꯒꯤ ꯄꯣꯠꯊꯥꯈ꯭ꯔꯕꯅꯤ꯫
ꯍꯧꯈꯤꯕ ꯃꯥꯔꯆ 21, 2023, ꯂꯝꯇꯥꯒꯤ 30 ꯅꯤ ꯄꯥꯟꯕ ꯂꯩꯕꯥꯛꯄꯣꯛꯄ ꯅꯨꯃꯤꯠꯇ ꯃꯇꯝ ꯁꯥꯡꯅ ꯃꯥꯒꯤ ꯃꯥꯒꯤ ꯂꯧꯐꯝ ꯊꯣꯛꯄ ꯊꯧꯗꯥꯡ ꯂꯧꯔꯝꯂꯕ ꯁꯤꯟꯃꯤ, ꯀꯨꯝꯖꯥ 2022 ꯒꯤ ꯃꯥꯔꯆ 1 ꯗꯒꯤ ꯀꯨꯝꯖꯥ 2023 ꯒꯤ ꯃꯔꯆ 31 ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯣꯠꯊꯥꯈ꯭ꯔꯕ ꯑꯃꯁꯨꯡ ꯄꯣꯠꯊꯥꯒꯗꯧꯕ ꯀꯌꯥꯒꯤ ꯃꯆꯨ ꯃꯃꯦꯜ ꯀꯌꯥ ꯁꯪꯂꯕ ꯃꯦꯅꯦꯖꯃꯦꯟꯠ, ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ ꯑꯃꯁꯨꯡ ꯁꯤꯟꯃꯤ ꯃꯤꯌꯥꯝ ꯄꯨꯟꯕ ꯀꯥꯏꯅꯕꯒꯤ ꯆꯥꯛꯂꯦꯟ ꯌꯥꯎꯕ ꯊꯧꯔꯝ ꯑꯃ ꯌꯥꯝꯅ ꯃꯄꯨꯡ ꯐꯥꯅ, ꯆꯤꯡ ꯂꯦꯝꯅ ꯄꯥꯡꯊꯣꯛꯈꯤꯕ ꯃꯥꯏꯅꯔ ꯏꯔꯤꯒꯦꯁꯟ, ꯑꯩꯆ ꯕ꯭ꯔꯣꯖꯦꯟꯗ꯭ꯔ ꯆꯤꯐ ꯏꯟꯖꯤꯅꯤꯌꯔ ꯃꯥꯏꯅꯔ ꯏꯔꯤꯒꯦꯁꯟ ꯑꯃꯁꯨꯡ ꯑꯦꯁ ꯁꯟꯖꯤꯠ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠ ꯑꯣꯜ ꯃꯅꯤꯄꯨꯔ ꯃꯥꯏꯅꯔ ꯏꯔꯤꯒꯦꯁꯟ ꯗꯤꯄꯥꯔꯠꯃꯦꯟꯠ ꯑꯦꯝꯄ꯭ꯂꯣꯌꯤꯖ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ, ꯂꯝꯐꯦꯜꯄꯥꯠꯅ ꯃꯊꯪꯁꯤꯠꯅ ꯆꯤꯐ ꯒꯦꯁꯠ, ꯒꯦꯁꯠ ꯑꯣꯐ ꯑꯣꯅꯔ ꯑꯃꯁꯨꯡ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠ ꯑꯣꯏꯗꯨꯅ ꯄꯥꯡꯊꯣꯛꯈꯤꯕ ꯊꯧꯔꯝꯅꯤ꯫ ꯂꯩꯕꯥꯛꯀꯤ ꯑꯣꯏꯕ ꯂꯩꯉꯥꯛꯀꯤ ꯊꯧꯒꯥꯏꯅ ꯃꯔꯝ ꯑꯣꯏꯗꯨꯅ ꯆꯤꯐꯥꯡ ꯑꯊꯔ ꯋꯣꯔꯆꯨꯏꯌꯣꯒꯤ ꯈꯨꯗꯣꯡꯆꯥꯗꯕ ꯑꯣꯏꯗꯨꯅ ꯌꯥꯎꯕ ꯉꯝꯈꯤꯗ꯭ꯔꯦ꯫ ꯆꯤꯐ ꯒꯦꯁꯠꯅ ꯆꯤꯐ ꯏꯟꯖꯤꯅꯤꯌꯔ, ꯒꯦꯁꯠ ꯑꯣꯐ ꯑꯣꯅꯔꯅ ꯔꯥꯖ ꯀꯨꯃꯥꯔ ꯗ꯭ꯋꯤꯄꯥꯡꯀꯔ ꯁꯂꯥꯝ ꯁꯨꯄꯔꯤꯟꯇꯦꯟꯗꯤꯡ ꯏꯟꯖꯤꯅꯤꯌꯔ ꯏꯅ ꯆꯥꯔꯖ ꯑꯣꯏꯔꯒ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠꯀꯤ ꯑꯣꯏꯅ ꯑꯍꯣꯡꯕ ꯑꯃꯠꯇ ꯂꯩꯇꯅ ꯄꯥꯡꯊꯣꯛꯈꯤ꯫
ꯅꯨꯃꯤꯠ ꯑꯁꯤꯒꯤ ꯌꯥꯏꯐꯔꯕ ꯑꯌꯨꯛ ꯄꯨꯡ 10.30 ꯇꯥꯕꯗ ꯐꯪꯛꯁꯟ ꯑꯁꯤ ꯍꯧꯕꯗꯒꯤ ꯂꯣꯏꯕ ꯐꯥꯎꯕ ꯑꯦꯝ ꯗꯤ ꯒꯥꯐꯔ ꯑꯦꯗꯤꯁꯅꯦꯜ ꯖꯦꯅꯔꯦꯜ ꯁꯦꯀ꯭ꯔꯦꯇꯔꯤꯅ ꯀꯟꯗꯛꯠ ꯇꯧꯈꯤ꯫ ꯑꯍꯥꯟꯕꯗ ꯑꯊꯣꯏꯕ ꯃꯤꯊꯨꯡꯂꯦꯟ, ꯑꯈꯟꯅꯕ ꯃꯤꯊꯨꯡꯂꯦꯟꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠꯅ ꯐꯝꯐꯝ ꯂꯥꯡꯗ ꯑꯃꯃꯝꯇ ꯑꯣꯏꯅ ꯀꯧꯁꯤꯟꯕꯤꯗꯨꯅ ꯐꯝꯍꯟꯈꯤ꯫ ꯊꯕꯛꯇꯒꯤ ꯄꯣꯠꯊꯥꯔꯕꯁꯤꯡꯒꯤ ꯄꯨꯛꯅꯤꯡ ꯍꯛꯆꯥꯡ ꯊꯧꯒꯠꯄꯤꯕ ꯑꯣꯏꯅ ꯃꯈꯣꯏ 26 ꯕꯨ ꯔꯣꯖꯦꯠ ꯊꯦꯠꯄꯤꯕꯒ ꯂꯣꯏꯅꯅ ꯑꯈꯟꯅꯅ ꯊꯥꯔꯤꯕ ꯐꯝꯐꯝꯁꯤꯡꯗ ꯐꯝꯍꯟꯕꯤꯈꯤ꯫ ꯃꯊꯪꯗ, ꯆꯤꯐ ꯒꯦꯁꯠ, ꯒꯦꯁꯠ ꯑꯣꯐ ꯑꯣꯅꯔꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠꯅ ꯐꯝꯐꯝ ꯂꯥꯡꯗ ꯐꯝꯂꯕ ꯃꯇꯨꯡꯗ ꯏꯀꯥꯏꯈꯨꯝꯅꯕ ꯎꯠꯄ ꯑꯣꯏꯅ ꯂꯦꯡꯌꯥꯟ ꯐꯤ ꯑꯃꯁꯨꯡ ꯔꯣꯖꯦꯠ ꯊꯦꯠꯁꯤ꯫ ꯃꯊꯪꯗ ꯋꯦꯜꯀꯝ ꯑꯦꯗ꯭ꯔꯦꯁꯀ ꯂꯣꯏꯅꯅ ꯀꯤ ꯅꯣꯠ ꯑꯦꯗ꯭ꯔꯦꯁꯨ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟꯒꯤ ꯖꯦꯅꯔꯦꯜ ꯁꯦꯀ꯭ꯔꯦꯇꯔꯤ ꯑꯣꯏꯔꯤꯕ ꯈꯦꯇ꯭ꯔꯤꯃꯌꯨꯝ ꯗ꯭ꯋꯤꯖꯃꯅꯤꯅ ꯍꯧꯈꯤꯕ ꯀꯌꯥ, ꯍꯧꯖꯤꯛ ꯑꯣꯏꯔꯤꯕ, ꯇꯨꯡꯗ ꯄꯥꯡꯊꯣꯛꯀꯦ/ꯄꯥꯏꯈꯠꯀꯦ ꯍꯥꯏꯕ ꯋꯥꯐꯝ ꯀꯌꯥ ꯐꯣꯡꯗꯣꯛꯈꯤ꯫ ꯀꯨꯝꯖꯥ 1981 ꯗ ꯃꯅꯤꯄꯨꯔ ꯂꯩꯉꯥꯛꯀꯤ ꯂꯦꯕꯔ ꯗꯤꯄꯥꯔꯠꯃꯦꯟꯠꯇ ꯔꯦꯖꯤꯁꯇꯔ ꯑꯣꯐ ꯇ꯭ꯔꯦꯗ ꯌꯨꯅꯤꯌꯟ ꯑꯦꯛꯠꯀꯤ ꯃꯇꯨꯡꯏꯟꯅ ꯔꯦꯖꯤꯁꯇꯔ ꯇꯧꯕꯈꯛ ꯅꯠꯇꯅ
ꯏꯟꯗꯤꯌꯥꯟ ꯅꯦꯁꯅꯜ ꯇ꯭ꯔꯦꯗ ꯌꯨꯅꯤꯌꯟ ꯀꯣꯡꯒ꯭ꯔꯦꯁ
ꯅꯦꯁꯅꯜ ꯍꯦꯗ ꯀ꯭ꯋꯥꯔꯇꯔꯗ ꯑꯦꯐꯤꯂꯤꯑꯦꯠ
ꯇꯧꯅꯕ ꯈꯦꯇ꯭ꯔꯤꯃꯌꯨꯝ ꯗ꯭ꯋꯤꯖꯃꯅꯤ, ꯍꯥꯎꯕꯝ ꯕꯥꯂꯦꯁ꯭ꯋꯔꯅ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ ꯑꯁꯤꯒꯤ ꯊꯧꯗꯥꯡ ꯂꯧꯗꯨꯅ ꯌꯥꯝꯅ ꯀꯟꯅ ꯍꯣꯠꯅꯈꯤꯕ ꯑꯃꯗꯤ ꯃꯇꯝ ꯑꯃꯒꯤ ꯁꯦꯟꯇ꯭ꯔꯦ ꯕꯣꯔꯗ ꯐꯣꯔ ꯋꯥꯔꯀꯔꯁ ꯑꯦꯖꯨꯀꯦꯁꯟꯒꯤ ꯑꯦꯖꯨꯁꯟ ꯑꯣꯐꯤꯁꯔꯁꯤꯡꯒ ꯈꯨꯠꯁꯝꯅꯗꯨꯅ ꯁꯤꯟꯃꯤꯁꯤꯡꯕꯨ ꯔꯥꯏꯠꯁ ꯑꯦꯟꯗ ꯔꯦꯁꯄꯣꯟꯁꯤꯕꯜ ꯃꯁꯛ ꯃꯨꯟꯅ, ꯃꯃꯨꯠ ꯇꯥꯅ ꯈꯪꯅꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ ꯑꯁꯤꯒꯤ ꯑꯣꯐꯤꯁ ꯕꯤꯌꯔꯔ ꯄꯨꯝꯅꯃꯛꯅ ꯑꯆꯧꯕ ꯊꯧꯗꯥꯡ ꯂꯧꯈꯤꯕꯅꯤ꯫ ꯃꯁꯤꯗꯁꯨ ꯅꯠꯇꯅ ꯏꯟꯗꯤꯌꯟ ꯅꯦꯁꯅꯜ ꯇ꯭ꯔꯦꯗ ꯌꯨꯅꯤꯌꯟ ꯀꯣꯡꯒ꯭ꯔꯦꯁꯀꯤ ꯄ꯭ꯂꯤꯅꯔꯤ ꯁꯦꯁꯟ ꯀꯌꯥ, ꯖꯦꯅꯔꯦꯜ ꯀꯥꯎꯟꯁꯤꯜꯒꯤ ꯃꯤꯐꯝ ꯀꯌꯥꯗ ꯁꯔꯨꯛ ꯌꯥꯈ꯭ꯔꯦ꯫ ꯇꯣꯉꯥꯟ ꯇꯉꯥꯟꯕ ꯅꯦꯁꯅꯜ ꯂꯦꯚꯦꯜ, ꯏꯟꯁꯇꯤꯇ꯭ꯌꯨꯠ ꯀꯌꯥꯗ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯍꯥꯏꯔꯕꯗ ꯚꯤ ꯚꯤ ꯒꯤꯔꯤ ꯅꯦꯁꯅꯜ ꯂꯦꯕꯔ ꯏꯟꯁꯇꯤꯇ꯭ꯌꯨꯠ ꯑꯃꯁꯨꯡ ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯕꯣꯔꯗ ꯐꯣꯔ ꯋꯥꯔꯀꯔꯁ ꯑꯦꯖꯨꯀꯦꯁꯟꯅ ꯁꯤꯟꯕ ꯃꯐꯝ ꯀꯌꯥꯗ ꯁꯔꯨꯛ ꯌꯥꯈ꯭ꯔꯦ꯫ ꯎꯠꯇꯔ ꯄ꯭ꯔꯗꯦꯁꯀꯤ ꯅꯣꯏꯗꯥꯗ ꯂꯩꯕ ꯚꯤ ꯚꯤ ꯒꯤꯔꯤ ꯂꯦꯕꯔ ꯏꯟꯁꯇꯤꯇ꯭ꯌꯨꯠ, ꯗꯥꯠꯇꯣꯄꯟ ꯊꯦꯡꯒꯔꯤ ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯕꯣꯔꯗ ꯐꯣꯔ ꯋꯥꯔꯀꯔꯁ ꯑꯦꯖꯨꯀꯦꯁꯟꯒꯤ ꯃꯈꯥꯗ ꯁꯤꯛꯀꯤꯝ, ꯃꯣꯔꯦ ꯑꯃꯁꯨꯡ ꯃꯣꯏꯔꯥꯡꯅꯆꯤꯡꯕ ꯃꯐꯝꯗ ꯄꯥꯡꯊꯣꯛꯄ ꯑꯦꯋ꯭ꯌꯦꯔꯅꯦꯁ ꯀꯌꯥꯗ ꯁꯔꯨꯛ ꯌꯥꯈ꯭ꯔꯦ꯫ ꯑꯁꯨꯝꯅ ꯈꯦꯇ꯭ꯔꯤꯃꯌꯨꯝ ꯗ꯭ꯋꯤꯖꯃꯅꯤꯒꯤ ꯋꯦꯜꯀꯝ ꯑꯦꯗ꯭ꯔꯦꯁ ꯑꯃꯁꯨꯡ ꯀꯤ ꯅꯣꯠ ꯑꯦꯗ꯭ꯔꯦꯁ ꯂꯣꯏꯁꯤꯜꯂꯕ ꯃꯇꯨꯡꯗ ꯅꯨꯄꯥ 17, ꯅꯨꯄꯤ 9 ꯕꯨ ꯃꯊꯪ ꯃꯅꯥꯎ ꯑꯣꯏꯅ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ ꯑꯃꯁꯨꯡ ꯃꯦꯅꯦꯖꯃꯦꯟꯇ ꯑꯅꯤ ꯈꯨꯠꯁꯝꯅꯅ ꯉꯝꯖꯕ ꯈꯨꯗꯣꯜ ꯄꯤꯅꯕ ꯃꯊꯪ ꯃꯊꯪ ꯀꯧꯊꯣꯛꯇꯨꯅ ꯆꯤꯐ ꯒꯦꯁꯠ, ꯒꯦꯁꯠ ꯑꯣꯐ ꯑꯣꯅꯔ ꯑꯃꯁꯨꯡ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠꯅ ꯈꯨꯠꯁꯤꯟꯅꯈꯤ꯫ ꯃꯇꯨꯡꯗ ꯃꯇꯝ ꯁꯥꯡꯅ ꯖꯦꯅꯔꯦꯜ ꯁꯦꯀ꯭ꯔꯦꯇꯔꯤ ꯑꯃꯁꯨꯡ ꯚꯥꯏꯁ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠ ꯑꯣꯏꯔꯝꯂꯕ ꯍꯥꯎꯕꯝ ꯕꯥꯂꯦꯁ꯭ꯋꯔꯅ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ ꯑꯁꯤꯒꯤ ꯍꯧꯈꯤꯕ, ꯍꯧꯖꯤꯛ ꯊꯦꯡꯅꯔꯤꯕ, ꯋꯥꯔꯛ ꯆꯥꯔꯖ ꯁꯤꯟꯃꯤꯁꯤꯡꯅ ꯊꯦꯡꯅꯔꯛꯈꯤꯕ ꯀꯌꯥ ꯉꯁꯤ ꯐꯥꯎꯕ ꯋꯥꯔꯣꯏꯁꯤꯟ ꯅꯥꯏꯗ꯭ꯔꯕ ꯀꯌꯥꯒꯤ ꯃꯇꯥꯡꯗ ꯃꯆꯥ ꯈꯥꯏꯅ ꯐꯣꯡꯗꯣꯛꯄꯤꯈꯤ꯫ ꯃꯊꯪꯗ ꯌꯨꯝꯅꯥꯝ ꯔꯥꯅꯥꯄ꯭ꯔꯇꯥꯞꯅ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠ ꯏꯟꯗꯤꯌꯟ ꯅꯦꯁꯅꯜ ꯇ꯭ꯔꯦꯗꯌꯨꯅꯤꯌꯟ, ꯃꯅꯤꯄꯨꯔ ꯕ꯭ꯔꯥꯟꯆ ꯑꯃꯗꯤ ꯅꯦꯁꯅꯦꯜ ꯇ꯭ꯔꯦꯗ ꯌꯨꯅꯤꯌꯟ ꯑꯁꯤꯃꯛꯀꯤ ꯋꯥꯔꯀꯤꯡ ꯀꯃꯤꯇꯤ ꯄꯔꯃꯤꯅꯦꯟꯠ ꯏꯟꯚꯥꯏꯇꯤ ꯑꯣꯏꯔꯤꯕꯅ ꯑꯁꯤꯒꯨꯝꯕ ꯀꯥꯏꯅꯕꯒꯤ ꯊꯧꯔꯝꯒꯤ ꯐꯖꯕ ꯃꯆꯠ, ꯑꯃꯒ ꯑꯃꯒꯒꯤ ꯃꯔꯛꯇ ꯃꯦꯅꯦꯖꯃꯦꯟꯠ, ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ ꯑꯃꯁꯨꯡ ꯋꯥꯔꯀꯔꯁꯤꯡꯅ ꯀꯣ-ꯑꯣꯄꯔꯦꯁꯟ ꯑꯦꯟꯗ ꯀꯣꯑꯣꯔꯗꯤꯅꯦꯁꯟ ꯂꯩꯅ ꯍꯔꯥꯎ ꯇꯌꯥꯝꯕ ꯄꯥꯡꯊꯣꯛꯄ ꯎꯕꯗ ꯅꯨꯡꯉꯥꯏꯕ, ꯑꯄꯦꯟꯕ ꯐꯣꯡꯗꯣꯛꯈꯤ꯫
ꯊꯧꯔꯝ ꯑꯁꯤꯗ ꯁꯔꯨꯛ ꯌꯥꯈꯤꯕ ꯁꯛꯅꯥꯏꯔꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯅ ꯋꯥꯐꯝ ꯀꯌꯥ ꯐꯣꯡꯗꯣꯛꯂꯕ ꯃꯇꯨꯡ ꯑꯔꯣꯏꯕꯗ ꯑꯦꯁ ꯁꯟꯖꯤꯠꯅ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠꯀꯤ ꯑꯣꯏꯕ ꯋꯥꯐꯝ ꯀꯌꯥ ꯊꯝꯕꯒ ꯂꯣꯏꯅꯅ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟꯅ ꯄꯥꯡꯊꯣꯛꯂꯤꯕ ꯑꯁꯤꯒꯨꯝꯕ ꯊꯧꯔꯝꯒꯤ ꯑꯣꯏꯕ ꯋꯥꯐꯝ ꯀꯌꯥꯁꯨ ꯊꯝꯈꯤ꯫ ꯄꯥꯡꯊꯣꯛꯂꯤꯕ ꯊꯕꯛ ꯑꯁꯤꯗ ꯆꯤꯐ ꯏꯟꯖꯤꯅꯤꯌꯔ, ꯁꯨꯄꯔꯤꯟꯇꯦꯟꯗꯤꯡ ꯏꯟꯖꯤꯅꯤꯌꯔ, ꯑꯦꯒꯖꯤꯀ꯭ꯌꯨꯇꯤꯚ ꯏꯟꯖꯤꯅꯤꯌꯔ, ꯑꯦꯁꯤꯁꯇꯦꯟꯠ ꯏꯟꯖꯤꯅꯤꯌꯔ ꯄꯨꯝꯅꯃꯛꯅ ꯀꯣꯑꯣꯄꯔꯦꯁꯟ ꯄꯤꯕꯤꯕꯒꯤ ꯅꯨꯡꯉꯥꯏꯕꯁꯨ ꯐꯣꯡꯗꯣꯛꯈꯤ꯫ ꯃꯁꯤ ꯂꯣꯏꯔꯒ ꯄꯦꯟꯁꯅꯔ, ꯁ꯭ꯇꯥꯐ ꯑꯃꯁꯨꯡ ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯇ꯭ꯔꯦꯗ ꯑꯃꯁꯨꯡ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟꯒꯤ ꯌꯥꯎꯅ ꯃꯤꯑꯣꯏ 200/300 ꯂꯣꯝꯒꯤ ꯑꯣꯏꯕ ꯆꯥꯛꯂꯦꯟ ꯑꯃ ꯄꯨꯟꯅ ꯆꯥꯃꯤꯟꯅꯈꯤ꯫=

P. aeruginosa ꯅ ꯏꯟꯐꯦꯛꯁꯟ ꯊꯣꯛꯍꯜꯂꯕ ꯎꯆꯤꯒꯤ ꯀ꯭ꯔꯣꯁ-
ꯁꯦꯛꯁꯟ꯫ ꯎꯆꯤ ꯑꯗꯨꯕꯨ M. pneumonia ꯒꯤ ꯚꯔꯁꯟ ꯑꯁꯤꯅ
‘ꯂꯤꯚꯤꯡ ꯃꯦꯗꯤꯁꯤꯟ’ ꯑꯣꯏꯅ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯂꯥꯌꯦꯡꯈꯤꯕꯗ ꯏꯟꯐꯦꯛꯁꯟꯒꯤ ꯆꯥꯡ
ꯍꯟꯊꯍꯟꯕ ꯑꯃꯁꯨꯡ alveoli ꯗ ꯅꯨꯡꯁꯤꯠꯄꯨ ꯇꯨꯡꯁꯤꯟꯗꯨꯅ ꯊꯝꯕ꯫

Plasmodium aeruginosa

Mycoplasma pneumoniae