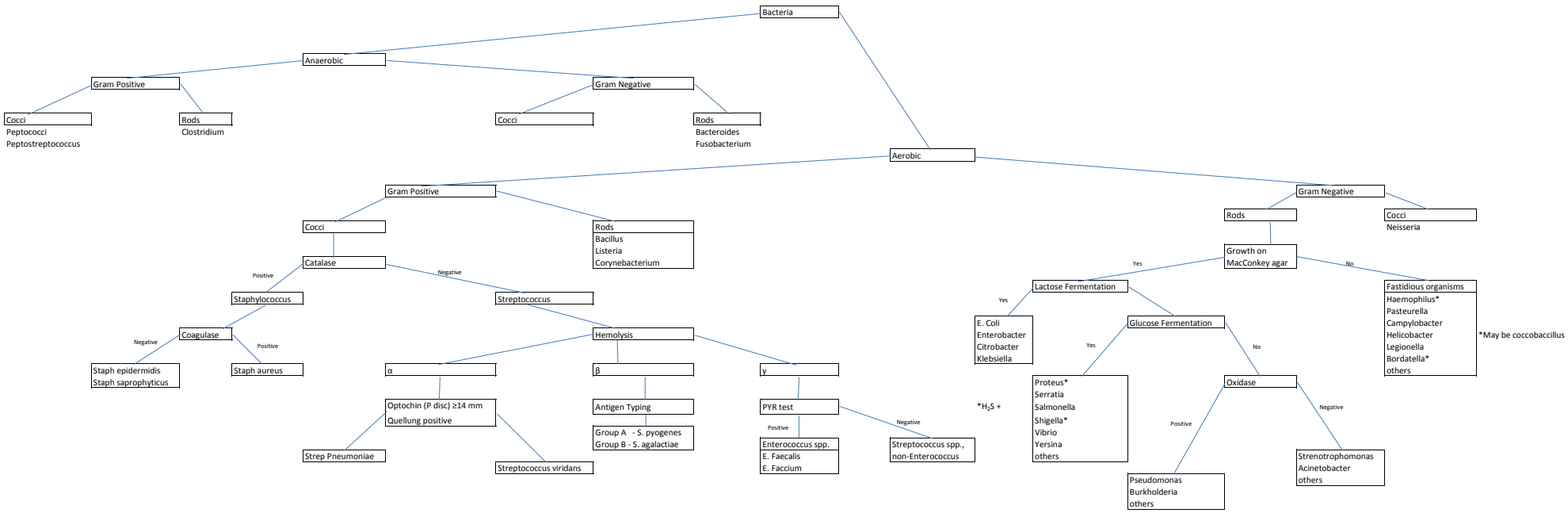
Bacteria
Anaerobic
Gram Positive
Cocci
Peptococci
Peptostreptococcus
Rods
Clostridium
Gram Negative
Cocci
Rods
Bacteroides
Fusobacterium
Aerobic
Gram Positive
Cocci
Catalase
Positive
Staphylococcus
Coagulase
Negative
Staph epidermidis
Staph saprophyticus
Positive
Staph aureus
Negative
Streptococcus
Hemolysis
α
Optochin (P disc) ≥14 mm
Quellung positive
Strep Pneumoniae
Streptococcus viridans
β
Antigen Typing
Group A - S. pyogenes
Group B - S. agalactiae
γ
PYR test
Positive
Enterococcus spp.
E. Faecalis
E. Faccium
Negative
Streptococcus spp.,
non-Enterococcus
Rods
Bacillus
Listeria
Corynebacterium
Gram Negative
Rods
Growth on
MacConkey agar
Yes
Lactose Fermentation
Yes
E. Coli
Enterobacter
Citrobacter
Klebsiella
Glucose Fermentation
Yes
Proteus*
Serratia
Salmonella
Shigella*
Vibrio
Yersina
others
*H_2S +
No
Oxidase
Positive
Pseudomonas
Burkholderia
others
Negative
Strenotrophomonas
Acinetobacter
others
No
Fastidious organisms
Haemophilus*
Pasteurella
Campylobacter
Helicobacter
Legionella
Bordatella*
others
*May be coccobaccillus
Cocci
Neisseria