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MaIDANN

Age (y) Sex M F

No. of previous malaria episodes

Months living in endemic area

Plasma IL-10 (pg/mL) Plasma IFN- γ (pg/mL)

Use of bed net Yes No

DIAGNOSIS

*Possibilities: No Malaria OR Asymptomatic Malaria

B General design of the Artificial Neural Network used by the MaIDANN software

Software version	Input layer	02 intermediate layers	Output layer
MaIDANN Epidemiologic	<p>● Neurons</p> <p>31 neurons</p> <p>Epidemiological variables*</p>	<p>● Neurons</p> <p>10 neurons</p> <p>Data processing to identify patterns</p>	<p>● Neurons</p> <p>01 neuron</p> <p>Generation of malaria diagnosis</p>
MaIDANN Epidemiologic + cytokines	<p>● Neurons</p> <p>07 neurons</p> <p>Epidemiological variables + cytokine levels</p>	<p>● Neurons</p> <p>10 neurons</p> <p>Data processing to identify patterns</p>	<p>● Neurons</p> <p>01 neuron</p> <p>Generation of malaria diagnosis</p>