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(57) Abstract :

[026] The present invention relates to the field of the Royal Air Force (RAF) ruler is a routinely employed instrument in ophthalmology and optometry practices to measure near point of convergence (NPC) and near point of accommodation (NPA). The invention more particularly relates to an improved Royal Air Force (RAF) convergence accommodation (CA) ruler. The present invention is a modified version of RAF ruler as smart ruler is capable of measuring both monocular and binocular accommodation along with vergence which would aid in diagnosis of accommodation and vergence anomalies. It is capable of showing digitally the dioptric conversion and help in aligning the RAF rule for correct measurement of Near Point of Convergence (NPC) and Amplitude of Accommodation (AA) by push up method.

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