In recent years, acute stroke therapy suffered from a cautious halt in progress in fear of adding more harm. This stems from the heterogeneity of stroke patients and the inability to predict the behavior of the majority of cerebrovascular accidents. With refinements in the acute stroke care as well as neurocritical care concepts and modification of clinical imaging protocols, acute stroke care is showing significant promising improvements that are materializing to a positive impact on the patients’ outcomes. We will present an overview of these concepts from the monitoring side, to the clinical decision making side as well as some predictive approaches to acute stroke care.

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