Appendix 1: *State, Action and corresponding values*

1. **States** \( (i_1, \ldots, i_6) \) and values.

\( i_1 = \text{Age}; \) \( 1=18-45 \text{ years}; \) \( 2=46-65 \text{ years}; \) \( 3=\text{more than 66 years}; \)

\( i_2 = \text{Any disease history as diabetes, hypertension, coronary heart disease, abnormal blood liquid level, or auricular fibrillation}; \) \( (0=\text{None}, 1=\text{Have at least one}); \)

\( i_3 = \text{Any complication as pulmonary infection, urinary tract infection or deep vein thrombosis}; \) \( (0=\text{None}, 1=\text{Have at least one}); \)

\( i_4 = \text{TCM diagnosis}; \) \( (1=\text{apoplexy involving channels or collaterals}, \) \( 2=\text{apoplexy involving zang-organs fu-organs}, \) \( 3=\text{Other TCM diagnosis}; \)

\( i_5 = \text{Syndrome differentiation of TCM (Pattern of TCM)}; \) \( (1=\text{Yang pattern}, 2=\text{Yin pattern}, 3=\text{Composite pattern}; \) \( 4=\text{Other pattern}; \)

\( i_6 = \text{Levels of neurological functional impairment: Level of consciousness (0-3 points), visual field defects (0,2 points), facial paralysis (0,2 points), muscular strength of limb (0-16 points), aphasia (0,2 points), dysarthria (0,1 points), feels obstacle (0,1 points), ataxia (0,2 points). The total score is between 0-29 points, with higher score implying severer situation of the patient; Neurological function impairment scores were divided into five grades as level 1(0-2), level 2(3-5), level 3(6-12), level 4 (13-19), level 5 (20-29).} \)

2. **Actions (i.e. interventions) \( (a_1, \ldots, a_5) \) and values

\( a_1 = \text{Used antiplatele or/and anticoagulant agents or not}; \) \( (0=\text{Unused}, 1=\text{Used}); \)

\( a_2 = \text{Used treatments of TCM on replenishing qi and wen yang (Yī Qì Wēn Yáng) or not}; \) \( (0=\text{Unused}, 1=\text{Used one kind of drugs}); \)

\( a_3 = \text{Used treatments of TCM on clearing heat and extinguishing wind (Qīng Rè Xī Fēng) or not}; \) \( (0=\text{Unused}, 1=\text{Used one kind of drugs}); \)
$a_4 =$ Used treatments of TCM to relax the bowels or not; (0=Unused, 1=Used);

$a_5 =$ Used herbal medicine or not. (0=Unused, 1=Used).