Amwell Stroke: Thrombolytic Workflow Changes

Overview

The Amwell Hospital Clinical portal stroke forms currently have one drug selection option: Alteplase.

The new stroke guidelines provide an additional option to use Tenecteplase instead of Alteplase; this requires changes to clinical portal stroke forms.

The introduction of the new Drug Type selection will impact the following forms:

- Alteplase Decision
- Alteplase Decision – 2018
- Alteplase Administration Tracking

Changes

Stroke forms names will be adjusted by removing the specific "Alteplase" name and replacing it with the generic term, "Thrombolytic."

Existing Form Name	New Name
Alteplase Decision	**Thrombolytic** Decision
Alteplase Decision - 2018	**Thrombolytic** Decision - 2018
Alteplase Administration Tracking	**Thrombolytic** Administration Tracking

All text instances of Alteplase within all three forms and reports will be changed to the generic "Thrombolytic".

Stroke Thrombolytic
Administration
Tracking

Stroke Thrombolytic
Decision

Inclusion Criteria

Exclusion Criteria

Relative Exclusion
Criteria

Decision

Stroke Thrombolytic
Decision - 2018

Inclusion Criteria

Exclusion Criteria

Relative Exclusion
Criteria

Decision

Drug Type Selector

A new Drug Type dropdown selector allows providers to select the target drug only when "Thrombolytic Recommended" is Yes.

Providers can then select Alteplase or Tenecteplase as the prescribed thrombolytic.

Calculators

In addition to the new Drug Type selector, there will be a new Tenecteplase-specific calculator to complement the existing Alteplase calculator.

The Drug Type selected will determine which calculator will be displayed:

When Alteplase is selected, the existing and familiar Alteplase calculator will be displayed. No changes have been made to the Alteplase calculator.

When Tenecteplase is selected, the new Tenecteplase calculator will display, that includes a 5-tiered weight-based dosing schedule to match dose to patient weight.

Patient Weight (kg)	Patient Weight (lb)	IV Tenecteplase Bolus (mg)
< 60	< 132	30
60 to < 70	132 to < 154	35
70 to < 80	154 to < 176	40
80 to < 90	176 to < 198	45
≥ 90	≥ 198	50

PDF and CCD Files

The above form changes will reflect in the downloadable PDF and CCD files.

References to Alteplase will be changed to Thrombolytic, and a new Drug Type field with dosage values has been introduced.

Reporting

The changes have implications for the following stroke-related reports:

- Case Details Extract Report: Alteplase Admin Tracking tab
- Case Details Extract Report: Alteplase Decision tab
- Case Details Extract Report: Alteplase Decision - 2018 tab
- Case Details Extract Report: adjusted/added field names
- Basic Stroke Metrics Report: adjusted/added field names
- Stroke Metrics Extract Report: adjusted/added field names

Case Details Extract

Existing Reporting Tab Name	New Reporting Tab Name
Case Details Extract Report: Alteplase Admin Tracking tab	Case Details Extract Report: **Thrombolytic** Admin Tracking tab
Case Details Extract Report: Alteplase Decision tab	Case Details Extract Report: **Thrombolytic** Decision tab
Case Details Extract Report: Alteplase Decision - 2018 tab	Case Details Extract Report: **Thrombolytic** Decision – 2018 tab

Report Name	Previous Column Name	Adjusted/Added Column Name
Thrombolytic Admin Tracking	Alteplase_administered	**Thrombolytic**_administered
Thrombolytic Admin Tracking	Alteplase_refused	**Thrombolytic**_refused
Thrombolytic Decision	Alteplase_recommended	**Thrombolytic**_recommended
Thrombolytic Decision - 2018	Alt_rec	**Thrombolytic**_rec
—	—	Drug type (IV Drug type selected from dropdown options can be Alteplase or Tenecteplase)

Stroke Metrics Extract Report

The report field names have been adjusted to reflect the new changes.

Previous Column Name	Adjusted/Added Column Name
Alteplase Decision	**Thrombolytic** Decision
Alteplase (tPA) Decision - 2018	**Thrombolytic** Decision - 2018
Alteplase Recommended	**Thrombolytic** Recommended
Alteplase Decision Diagnosis	**Thrombolytic** Decision Diagnosis
Alteplase Administered	**Thrombolytic** Administered
Alteplase Decision to Needle	**Thrombolytic** Decision to Needle
Door to Alteplase Decision	Door to **Thrombolytic** Decision
First Video to Alteplase Decision	First Video to **Thrombolytic** Decision
—	Drug type *(IV Drug type selected from dropdown options can be Alteplase or Tenecteplase)*

Basic Stroke Metrics Report

The report field names have been adjusted to reflect the new changes.

Previous Column Name	Adjusted/Added Column Name
Alteplase Recommended	**Thrombolytic** Recommended
Alteplase Decision	**Thrombolytic** Decision
Alteplase Decision - 2018	**Thrombolytic** Decision - 2018
Alteplase Administered	Thrombolytic Administered