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:

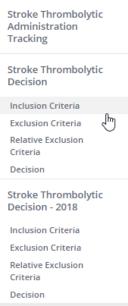
- Alteplase Decision
- Alteplase Decision 2018
- Alteplase Administration Tracking

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".



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.

| Decision | Drug Type Select Stroke Thrombolytic | ~ |
|--|---|-----|
| Thrombolytic Decision DateTime: (24 Hour Format) D5/22/2022 20:44 | Tenecteplase | |
| Thrombolytic recommended | Yes No | N/A |
| Weight in Lbs Weight in KG | | |
| Current Blood Pressure | | |

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.

| Decision | Drug Type Tenecteplase |
|--|----------------------------|
| Thrombolytic Decision DateTime: (24 Hour Format) 05/22/2022 20:44 | ↓ |
| Thrombolytic recommended | Yes No N/A |
| Weight in Lbs Weight in KG | IV Tenecteplase Bolus (mg) |
| Current Blood Pressure | |
| Diagnosis (primary diagnosis based on findings) | |

| 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 |

