

MINOR STROKE/TIA STROKE RISK ASSESSMENT

HIGH RISK:

- Symptom onset within the last 48 hours with any one of the following:
 - ✓ Motor deficit lasting more than 5 minutes
 - ✓ Speech deficit lasting more than 5 minutes
 - ✓ ABCD² score ≥ 4
- Atrial fibrillation with TIA

MEDIUM RISK:

- Symptom onset between 48 hrs and 7 days with any one of the following:
 - ✓ Motor deficit lasting more than 5 minutes
 - ✓ Speech deficit lasting more than 5 minutes
 - ✓ ABCD² score ≥ 4

LOW RISK:

- Symptom onset > 7 days
- Symptom onset ≤ 7 days without the presence of high risk symptoms (speech deficit or motor deficit or ABCD² score ≥ 4 or atrial fibrillation with TIA)

Note: Isolated syncope or dizziness is rarely a TIA and may not require Stroke Prevention Clinic referral

ABCD² SCORING CHART

	Yes	No
Age ≥ 60 yrs	1	0
BP $\geq 140/90$	1	0
Clinical Features		
● Unilateral weakness (with or without speech disturbance)	2	0
● Speech deficit without weakness	1	0
Duration		
> 10 min < 59 min	1	0
≥ 60 min	2	0
Diabetes	1	0

Score ≥ 4 = High Risk

INVESTIGATIONS

- CT scan of head
- Carotid Investigations: carotid ultrasound or CT angiogram
- ECG: if atrial fibrillation strongly consider anticoagulation
- Echocardiogram: only if suspicion of cardiac cause
- Holter Monitor: if suspect atrial fibrillation
- CBC, electrolytes, creatinine, glucose, PTT, INR, fasting glucose and lipid profile

HIGH RISK: Contact TIA HOTLINE: see over
Complete investigations within 24 hours

* May require referral to Primary or Comprehensive Stroke Centre to ensure timely completion of investigations
Stroke Prevention Clinic Referral (seen within 24 hours)

MEDIUM RISK: Complete investigations within 3 days
Stroke Prevention Clinic Referral (seen within 3 days)

LOW RISK: Complete investigations within 2 weeks
Stroke Prevention Clinic Referral (seen within 2 weeks)

MINOR STROKE / TIA ALGORITHM

Focal neurological deficits lasting
< 24 hours or non-disabling deficits

Yes ↓

Possible TIA / Minor Stroke

No →

Consider F/U in clinic
Very Low Risk

Antiplatelet Agent

Administer only if stroke symptoms resolved or if not resolved
then if CT scan excludes hemorrhage.

ASA 160 - 325 mg (immediate loading dose) then 81 mg daily

Complete TIA Stroke Risk Assessment

Low Risk

Investigations:
Complete
within
2 weeks

Medium Risk

Investigations:
Complete
within
3 days

High Risk

Contact TIA HOTLINE

1-800-282-9911

**(Northern Alberta,
including Red Deer)**

1-800-661-1700

(South of Red Deer)

Urgent Investigations:
Complete within 24 hrs.

* May require referral to Primary
or Comprehensive Stroke Centre
to ensure timely completion
of investigations

< 50% ICA
Stenosis
and no
occlusion

Evidence of > 50%
ICA Stenosis:
Transfer to
Comprehensive
Stroke Centre for
possible carotid
endarterectomy

Stroke Prevention
Clinic referral
(within 2 weeks)

Stroke
Prevention
Clinic referral
(within 3 days)

Urgent Stroke Prevention
Clinic referral
(within 24 hours)

Chronic Disease Management Programs
Healthy Lifestyle Program
Family Physician