

**Onato<sup>®</sup>**  
Amlodipine

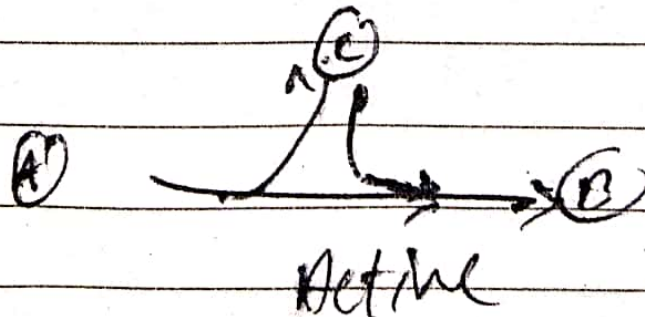
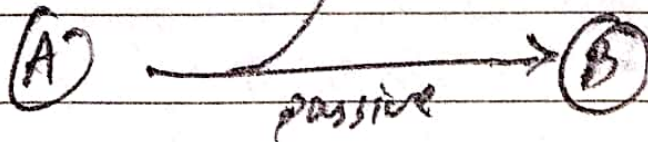
**Onato<sup>®</sup>-V**  
Amlodipine Besylate + Valsartan

**Onato<sup>®</sup>-V HCT**  
Amlodipine Besylate + Valsartan + Hydrochlorothiazide

## Attacks

Active : Make modification  
in data also

Passive : only reads data  
observe communication  
Don't modify



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Passive attack:

↳ Release of msg content  
to unauthorized person  
so ↳ no confidentiality

↳ Traffic analysis

\*A

\*\*\*

\*\*\*HCTZ= Hydrochlorothiazide

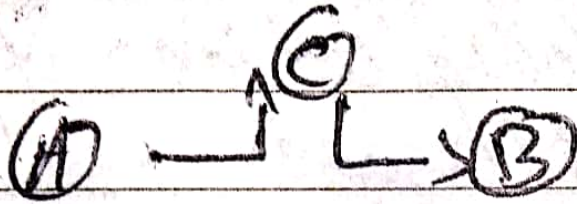


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## Active Attacks :



### ↳ Masquerade

⇒ gets user name  
and password of  
sender / confidential  
info and sends

messages as (A)

⇒ use services of (A)

⇒ resources of (A)

⇒ Alter data of (A)

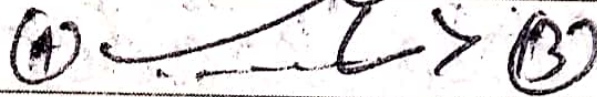
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Relay:

↳ Modification of Message



↳ induce error bits

↳ sends corrupted data to receiver

↳ No Confidentiality

↳ No Integrity



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**DOS:**

↳ Denial of Services

↳ Continuous request  
of resources

↳ unnecessary packets

↳ causes network to  
slow down

↳ No availability

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Active

Attacks

Passive

Attacks

⇒ modification

⇒ affects the system

no modification

doesn't affect

⇒ Can be detected

Can't be detected

⇒ No/Threat to integrity & availability

⇒ Threat to Confidentiality

⇒ Capture physical control over link and modifiers

⇒ Just observe transmission

⇒ Detection

Prevention

\*\*\*HCTZ = Hydrochlorothiazide



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## Security Mechanism

### 1) Encipherment:

hiding data using  
diff techniques.  
Maintain confidentiality

### 2) Digital Signature:

use for authentication  
and guarantees integrity  
using private & public key.

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## (iii) Access Control:

=> limited access

=> manage access controls

=> limited permission to  
access specific data

## (iv) Authentic Exchange:

=> assigning authentication  
to a trusted user

=> by exchanging continuous  
messages

=> and assign as authenticated  
user

\*\*Val=

\*\*\*HC



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## ⇒ Traffic Padding:

⇒ policies and mechanism  
to avoid traffic analysis.  
⇒ prevent analyzation  
of traffic patterns

Traffic: --- □ --- □ □ --- □ ---

Dummy Packets induced  
to prevent traffic  
analysis

## (vi) Routing Control

⇒ continuously changing  
route for traffic so intruder  
cannot track route.