

## 1. AI Set to Transform Pharma & Drug Discovery

- Government emphasized **Artificial Intelligence (AI)** in:
    - Drug discovery
    - Clinical trials optimization
    - Regulatory processes
  - Impact:
    - Faster drug development timelines
    - Improved precision medicine
  - Clinical relevance:
    - Future integration of **AI-assisted prescribing & diagnostics**
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## 2. India Plans Boost in Indigenous Insulin Production

- Government aims to scale up **domestic insulin manufacturing**
  - Reason:
    - Reduce dependency on global supply chains
    - Improve affordability in diabetes care
  - Significance:
    - Critical for rising **diabetes burden in India**
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## 3. Rising Trend of Weight-Loss Drug Misuse

- Increasing use of **anti-obesity injections (e.g., GLP-1 agonists)** for cosmetic reasons
  - Trend seen especially in **pre-wedding weight loss culture**
  - Concerns:
    - Use without proper medical indication
    - Risk of adverse effects
  - Clinical takeaway:
    - Strict **patient selection & counselling required**
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#### 4. Emergency Healthcare Strengthened in States

- New addition of:
    - **370 ambulances** (BLS & ALS)
    - **Neonatal ICU ambulances**
  - Impact:
    - Faster emergency response
    - Improved neonatal survival during transport
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#### 5. Expansion of Advanced Diagnostic Infrastructure

- New **Nuclear Medicine Block** launched in a government hospital
  - Includes:
    - **PET scan services**
    - Upcoming **SPECT-CT technology**
  - Clinical importance:
    - Early detection of:
      - Cancer
      - Neurological disorders
      - Cardiac diseases
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#### 6. New CPR Guidelines Rolled Out in India

- Latest **AHA CPR & Emergency Cardiovascular Care guidelines** introduced
  - Key focus:
    - Early CPR initiation
    - Community-level training (non-medical responders)
  - Impact:
    - Improved **out-of-hospital cardiac arrest survival**
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## 7. Strengthening Public Health Systems

- Launch of **State Health Systems Resource Centres**
- Focus areas:
  - Maternal & neonatal mortality reduction
  - Digital health systems
  - Affordable medicine access
- Goal:
  - Evidence-based health policy implementation