Ambulatory Surgery in China

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## 1. Basic Profile

<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>1.413 billion</td>
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<tr>
<td>Province</td>
<td>34</td>
</tr>
<tr>
<td>No. of hospitals</td>
<td>36976</td>
</tr>
<tr>
<td>Public hospitals</td>
<td>11746</td>
</tr>
<tr>
<td>Non-public hospitals</td>
<td>25230</td>
</tr>
<tr>
<td>No. of visits in all hospitals</td>
<td>3.82 billion</td>
</tr>
<tr>
<td>No. of visits in public hospitals</td>
<td>3.19 billion</td>
</tr>
<tr>
<td>No. of visits in non-public hospitals</td>
<td>630 million</td>
</tr>
<tr>
<td>No. of discharges</td>
<td>202 million</td>
</tr>
<tr>
<td>In public hospitals</td>
<td>164 million</td>
</tr>
<tr>
<td>In non-public hospitals</td>
<td>38 million</td>
</tr>
<tr>
<td>No. of surgeries</td>
<td>76 million</td>
</tr>
<tr>
<td>In public hospitals</td>
<td>66 million</td>
</tr>
<tr>
<td>In non-public hospitals</td>
<td>10 million</td>
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</tbody>
</table>
2. Development Phases of Ambulatory Surgery in China

**Phase I**
- 1990s
- Spontaneous exploration by physicians

**Phase II**
- 2001
- AAS meeting in Geneva
- AS formally introduced into China

**Phase III**
- 2001-2011
- Initiatives by medical institutions

**Phase IV**
- 2012-2014
- Dissemination of AS by CASA in a planned and systemic manner
- 2015-present
- Rapid growth of AS, with CASA dissemination and government leadership
3. Development of AS in China

A. Hospitals delivering AS

- 2012年: 34
- 2013年: 111
- 2016年: 2000
- 2020年: 2409

B. No. of AS conducted (10^4)

- 2020年: 152.8
- 2021年: 235.3
- 2022年: 262.5

C. % of AS in all surgeries

- 2020年: 10.85%
- 2021年: 12.50%
- 2022年: 14.17%

- **over 1500 procedures** are now conducted in AS across China
- **708 AS procedures** are recommended to secondary hospitals and above
- **AS was incorporated as an important performance indicator for public hospitals. AS development is accelerating in China.**
Cost analysis of representative procedures — comparison analysis of cost per intervention (Yuan), ambulatory surgery vs. non-AS elective surgery

Comparison analysis was done on cost per intervention for 5 procedures including laparoscopic unilateral inguinal hernia repair.

Quoted from a speech by Chinese Vice Premier in Oct 2023
4. Organic Structure of CASA

1. Will develop:
   - Clinical guideline for ambulatory surgery
   - Process management
   - Technical protocols
   - Quality and safety standards
   - Expert consensus on application of new technologies

2. Trainings and instructions to promote homogeneous development of AS quality and safety across China

**Chair & Co-chairs**
- National Health Development and Research Center, 8 leading hospitals, National Surgery Association, National Anesthetists Association, National Doctors Association, National Nursing Association, National Association of Non-Public Hospitals

**Executive Committee**

**Secretariat**

**General Assembly**
- Members
- Observers

**Provincial ambulatory surgery association and quality control center**

**11 specialty committees (+30 by 2024)**
5. High quality development of AS in China

- **Ten-Year Action Plan:**
  Ten-Year Action Plan for Advancing High Quality and Homogeneous Development of Ambulatory Surgery by China Ambulatory Surgery Association (2023-2032)

- **Issued on:** Sep 15, 2023
- **Target:** advance high quality and homogeneous development of AS in China
- **Key actions:** 3 expansion and 1 increase
3 expansions

3 expansion of AS in China

1. Expansion of AS from first-tier cities to second and third-tier cities
2. Expansion of AS from tertiary hospitals to lower level (county/district level) hospitals
3. Expansion of AS experiences, best practices, technologies and management models to other developing countries in Asia and Africa

1 increase
Increase of AS capacity in China:

-- AS capacity needs assessment
-- AS capacity enhancement measures
-- AS capacity re-assessment system

Precise capacity building mechanism for ambulatory surgery following assessment, enhancement and re-assessment.
Thank you

Prague, Nov 24, 2023

Zhangzhengzhong