

a Johnson Johnson initiative

Stroke Reimbursement Meeting November 17, 2004

"There is no silver bullet for treating stroke."

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Stroke Management Group

Baseline all parties on stroke reimbursement information

- CMS decision making policy change process
- Reperfusion therapy in AIS clinical benefit
- Health Economics of AIS medical therapy

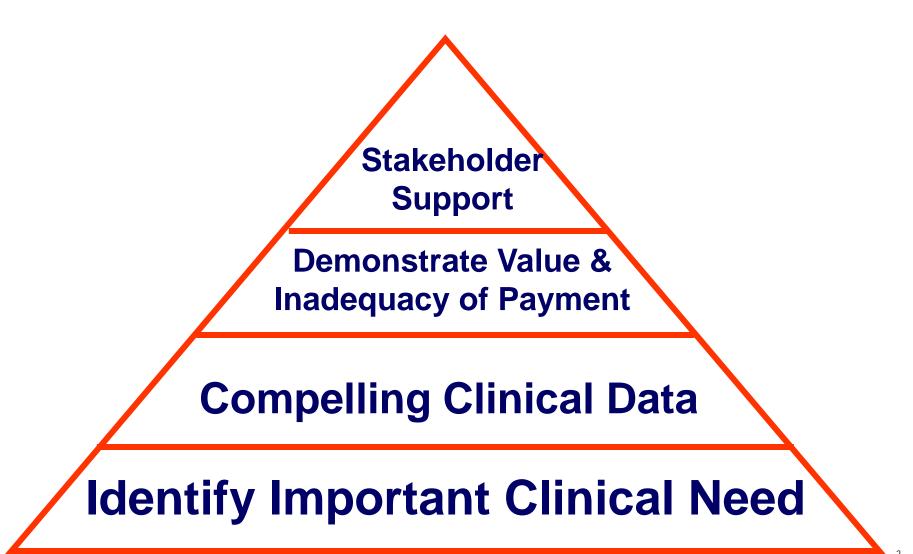
Discuss and Review Preliminary DRG Strategy

- Review prior CMS discussions (I.e., BAC)
- Develop potential contingency strategies/back-up positions

Prepare and discuss next steps for CMS meeting on December 9<sup>th</sup>

Physician Reimbursement

Stroke Criteria for Change or Modification of Reimbursement



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The Four Essentials of Reimbursement



- > Coverage (Medicare 5% National / 95% Local)
- Coding
- Payment
- Medical Necessity (Documentation)

## The Four Essentials of Reimbursement





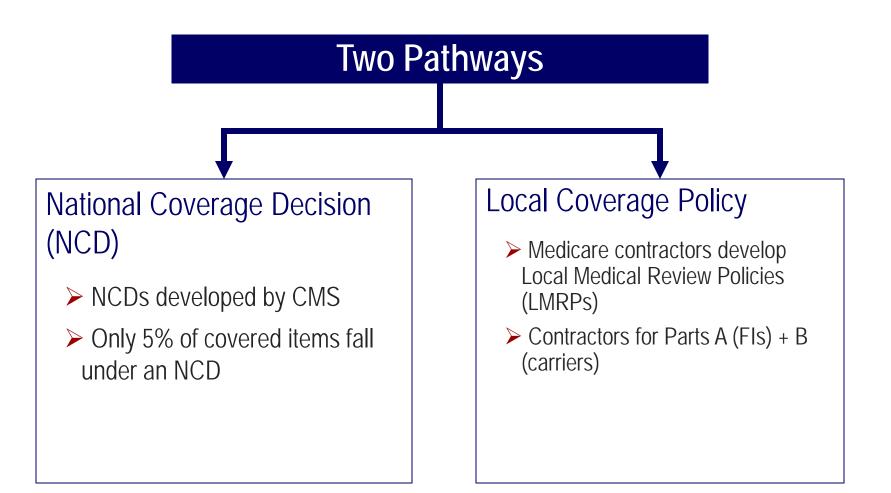
### ♦ Coding

### Payment

### Medical Necessity (Documentation)

### **Coverage:** Medicare Coverage Decisions





Sufficient level of confidence that evidence is adequate to conclude that the item or service:

- ➤ improves net health outcomes
- ➤ generalized to the Medicare population

Evidence assessed using standard principles of evidence-based medicine (EBM)

hierarchy of evidence reduces "bias"



Literature Review (Peer-review)

Technology Assessment

Medicare Coverage Advisory Committee (MCAC)

**Evidence-Based Guidelines** 

Professional Society Position Statements

**Expert Opinion** 

Public Comments

Future Research



- Prospective vs. retrospective studies
- Randomized vs. observational studies
- Concurrent vs. non-concurrent comparisons
- Large studies vs. small studies
- Blinded vs. unblinded observers
- Effectiveness vs. efficacy (Practical Clinical Trials)
- Functional vs.
- technical outcomes

## The Four Essentials of Reimbursement





### Coding

### Payment

### Medical Necessity (Documentation)





Facility: ICD-9 Codes
 ✓99.10 – Injection or Infusion of Thrombolytic Agent
 ✓99.20 – Injection or Infusion of Platelet Inhibitors
 Physician – CPT Code 37195

## The Four Essentials of Reimbursement









### Medical Necessity (Documentation)



### **The Medicare Reimbursement Process**



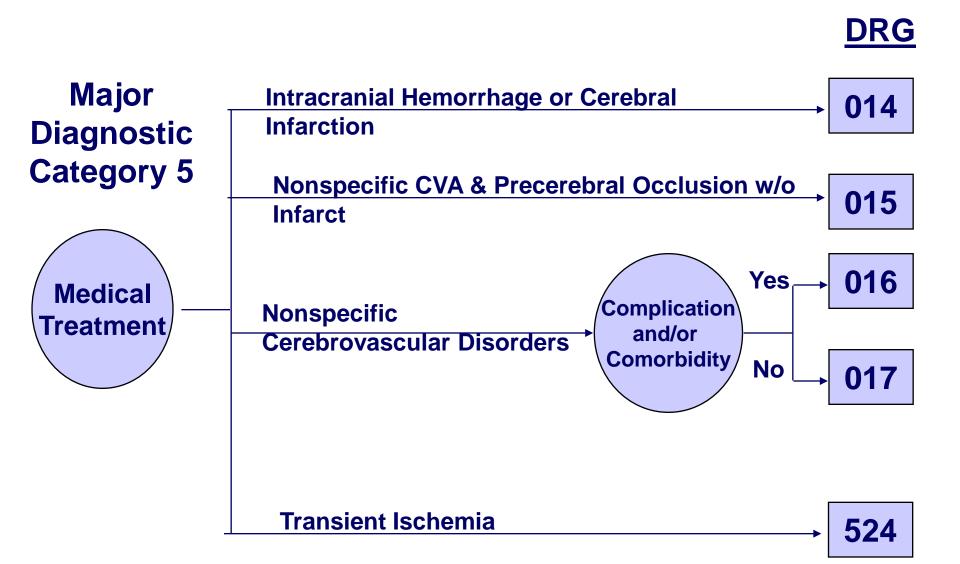




Clinical Similarity

### Resource Consumption







FY 2005

#### Principal Diagnosis:

434.01 Cerebral thrombosis, with infarct Principal Procedure:

99.10 Infusion of thrombolytic +/-99.20 Infusion of platelet inhibitor +/-88.41 Angio of Cerebral Artery





Hospital Payment : Nonspecific CVA & Precerebral Occlusion w/o Infarct

**DRG 015** 

**FY 2005** 

## Principal Diagnosis:

434.10 Cerebral Embolism w/o Infarct:

**Principal Procedure:** 

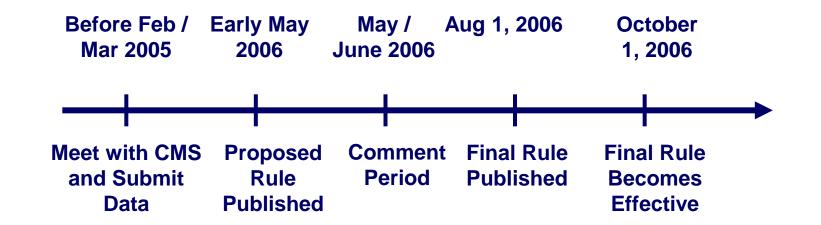
\$4,700

99.10 Infusion of thrombolytic +/-99.20 Infusion of platelet inhibitor +/-88.41 Angio of Cerebral Artery













	10:00	Introductions & Objectives	S. Liang
	10:15	CMS Decision Making Process & Policy	P. Marshall
	11:00	Reperfusion Therapies – clinical benefit	J. Broderick
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Clinical benefit

Amount of clinical evidence (NINDS, etc...)

Health Economic Studies/papers regarding improved outcomes





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- Current Health Economics AIS
- Review Proposed Strategy
- Review Past Discussions conference call with Dr. Brass
- Discuss/revise current plan
- Develop contingencies



To assess and impact the entire reimbursement landscape for stroke treatments along the following dimensions:

Acute Treatment – Ischemic and Hemorrhagic and TIA's
Prevention and Recovery Therapies
Medical Therapy (Pharma)
Interventional (Surgery / Minimally Invasive – Catheter Based)
Insurers: CMS and Private Payors
Physicians payments (assist in policy change)

As a first priority, focus is on Acute Treatment – Medical Therapy

Rationale: Can impact the largest amount of patients and hospitals and is currently woefully lacking

### **OBJECTIVES:** ISCHEMIC STROKE AND REPERFUSION REIMBURSEMENT

For Discussion

# There are three primary objectives for Medicare I/P reimbursement for ischemic stroke:

Improve the current Medicare reimbursement payment for treating ischemic stroke with a reperfusion agent by restructuring DRG's

Lay foundation for the potential that other reperfusion agents such as ReoPro can benefit from an improvement in the inpatient payment changes for ischemic stroke – broadening the definition of treatment to 'reperfusion agents'

Lay foundation so that in the future with additional data, prospective payments for the treatment of ischemic stroke can be increased

Today's Focus

1.

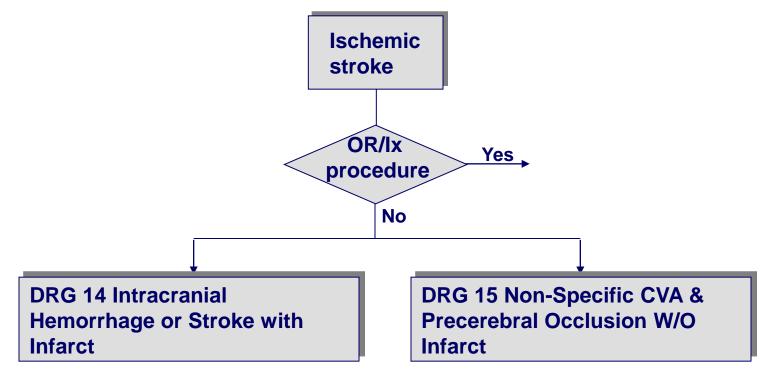
2.

3.

### **CURRENT SITUATION** ISCHEMIC STROKE REIMBURSEMENT\*



Ischemic stroke patients who do not receive a procedure are assigned to one of two possible DRGs based on principal diagnosis...



Requires assignment of intracranial hemorrhage diagnosis codes or one of the stroke <u>with</u> infarct diagnosis codes

#### Base payment = \$6,324

Requires assignment of one of the stroke <u>without</u> infarct principal diagnosis code

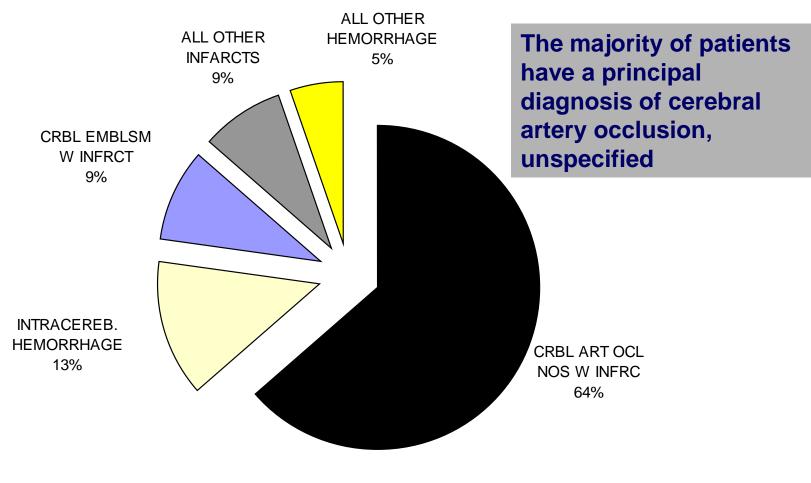
Base payment = \$4,714

#### \*Medicare reimbursement

### CURRENT SITUATION STROKE PATIENTS BY PRINCIPAL DIAGNOSIS

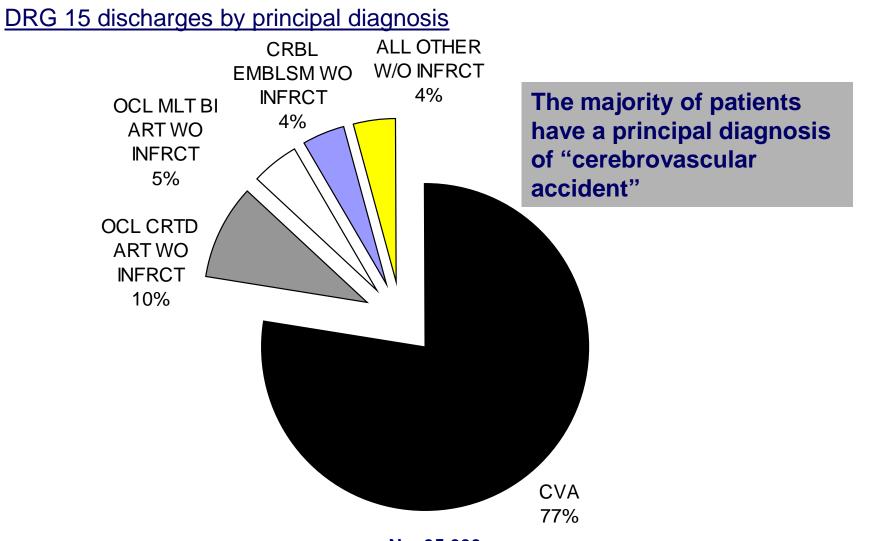


#### DRG 14 discharges by principal diagnosis



N=~256,000

### **CURRENT SITUATION** STROKE PATIENTS BY PRINCIPAL DIAGNOSIS



N=~95,000

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Stroke patients who receive a thrombolytic agent have significantly higher in-hospital charges but are currently small in number...

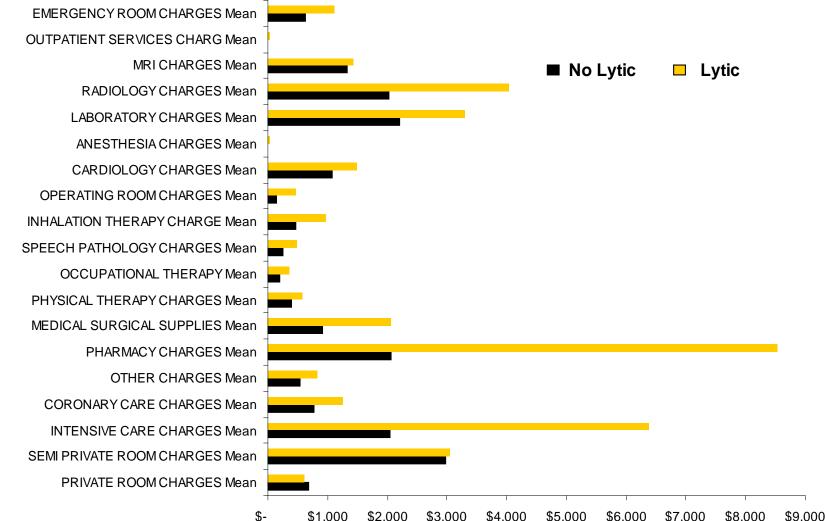
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<i>Of all discharges in DRGs 14 &amp; 15</i>	N	LOS Mean	Std. Charges Mean
Patients receiving a thrombolytic	2,452	6.9	\$31,259
Patients <u>not</u> receiving a thrombolytic	321,757	5.5	\$16,213

Source: 2003 Medicare MedPAR data. Thrombolytic patients coded with ICD-9 code 99.10.

### CURRENT SITUATION DIFFERENCE IN HOSPITAL CHARGES BY COST CTR

## Pharmacy and ICU charges are driving the difference in resource use between the thrombolytic and non-thrombolytic group (in DRGs 14/15)...



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# **<u>Objective:</u>** Improve the current Medicare reimbursement payment for treating ischemic stroke with a 'reperfusion' agent

#### Strategy overview:

#### What?

- Convince CMS that the current payment structure for ischemic stroke should change
- Ask CMS to re-structure DRGs to group stroke patients into one of two DRGs based on whether or not a patient received a reperfusion agent



- Re-grouping patients into these new DRGs would dramatically increase payment for patients treated with a reperfusion agent
- New higher paying DRG would encourage better patient care
- Re-structuring DRG's provides incentives to set up Stroke Centers

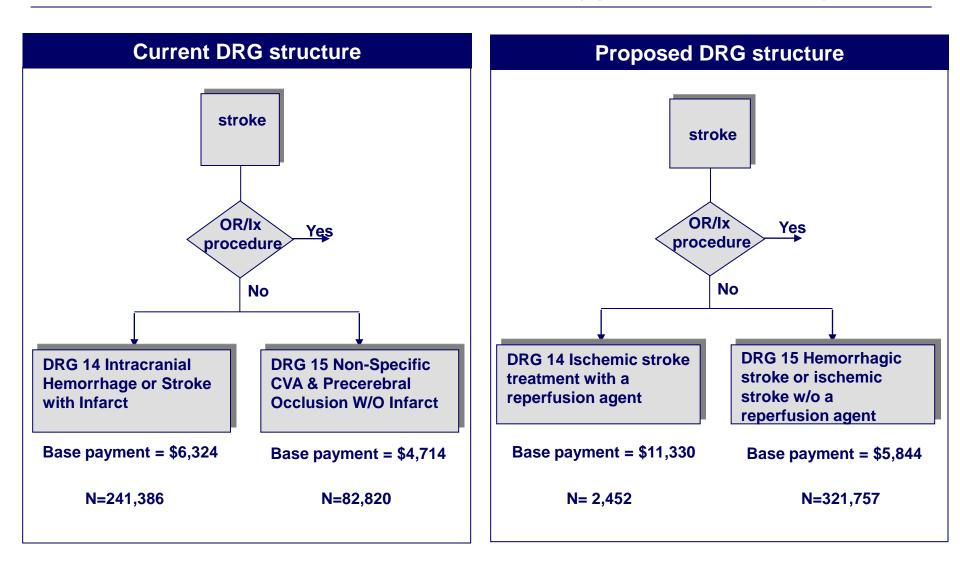
### How?

- Help leading Stroke institutions and key stakeholders in preparation for meeting with CMS
- Assist leading Stroke institutions organize and build broad coalition

### **DRG Strategy**



Restructure to improve incentives for aggresively treating stroke



\*Medicare reimbursement: discharge totals are adjusted for transfer policy rules. Source: 2003 FY MedPAR data

### **Strategic Challenges**

#### 1. Low volume of TPA cases

Tail Wagging the Dog

lssues:

- Must demonstrate clinical benefit outweighs potential harm in non-clinical trial setting (effectiveness vs. efficacy)
- Hospitals will object to lower payment for treating infarct patients w/o TPA (majority of cases)
- 3. CMS will be reluctant to change from +/- infarct descriptions
- 4. Loss leader why hospitals are pursuing JHACO certification?
- 5. Other stakeholders affected? (I.e., ER physicians, hospitals, etc)
- 6. Other issues



Mitigating Steps:



- 1. Request a new DRG for Cerebral Infarct with Administration of Reperfusion Agent
- CMS will most likely not agree to assign cases to one of the OR / Cath lab DRGs 1, 2 or 528
- 3. Contingency back up plan for meeting
- 4. Alternative Suggestions





- What are the key messages
- Objectives of the meeting
- What does "Success looks like?"





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### **Next Steps – CMS Meeting**

- 1. Identify CMS meeting attendees
- 2. Meet with CMS (Dec 9<sup>th</sup>) to review clinical outcomes data supporting use of TPA (best medical care)
  - Include data supporting other non-FDA approved drugs
  - Peer-review literature
  - Update re: ongoing clinical trials & FDA approval status
- Provide reasons why TPA is infrequently used and why this will (should) change
- 4. Positions of medical societies
- 5. Data showing why DRG payments are inadequate
- 6. Discussion, feedback and next steps

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### **CMS Presentation** Create Strawman

- Objectives
- Who are "we" representing?
- Case for change
  - Clinical data
    - AIS
    - Long term outcomes affecting improved recovery
- Case for Action
  - Options, etc
- Proposed next steps



# **Next Steps – Post CMS Meeting**

- Weekly conference calls
- Assess CMS response to clinical data and the need for a higher paying DRG assignment
- Finalize DRG recommendation and gather necessary data
- Arrange for a meeting with the CMS payment group to present DRG proposal
- Solicit support from KOL's and relevant medical societies
- Develop industry & PhRMA coalition
- Prepare Capital Hill strategy
- Assess support from hospital associations and hospital groups
- Letters to CMS pre & post Proposed Rule
- Add Stroke treatment to list of 10 Hospital Quality Initiatives

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### Physician Payments CPT Codes

- American Medical Association
- CPT Editorial Board
- Assigns Physician CPT Codes



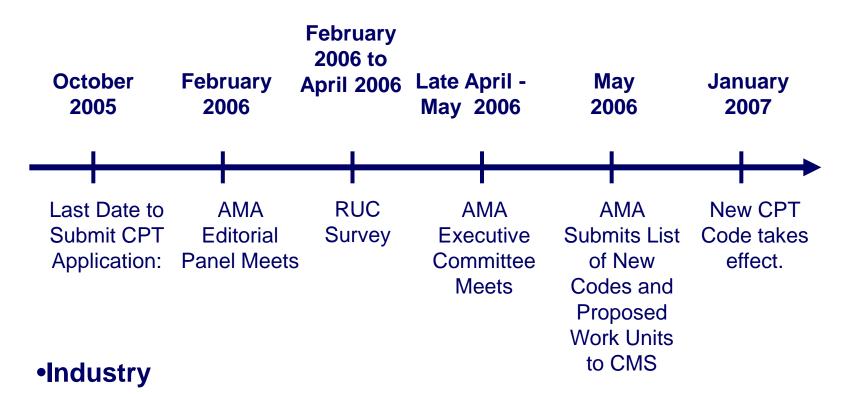
#### **CPT Editorial Panel**

- typically meets 4 times/year
- ➤ about 15 voting members, including five organizational representatives: CMS, BCBS, HIAA, AHA, managed care representative
- ➢ FDA approval is prerequisite

#### Timing

- ➤ annual cycle
- ➢ long lead time: application deadline for January 1, 2005 was October 1, 2003





### Physician

Medical Society





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Next steps...

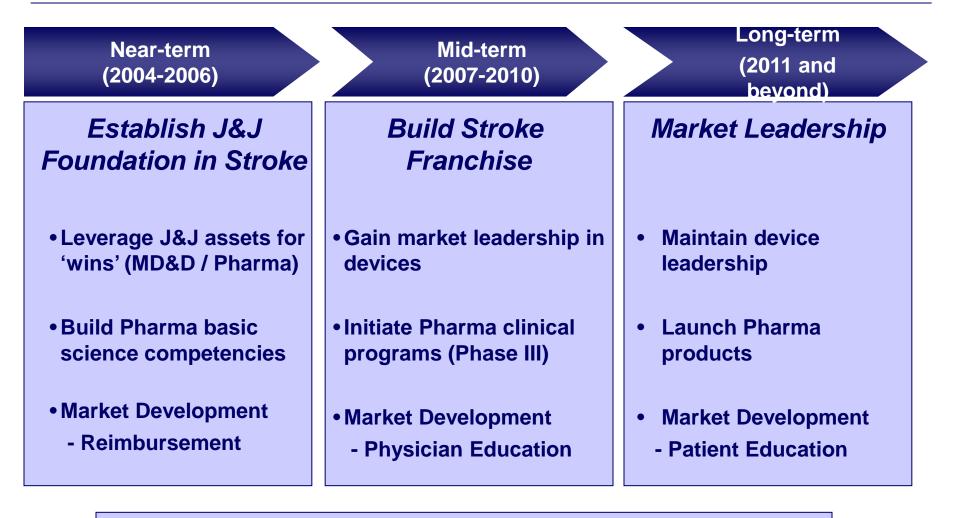
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### J&J Stroke Management Strategic Imperatives

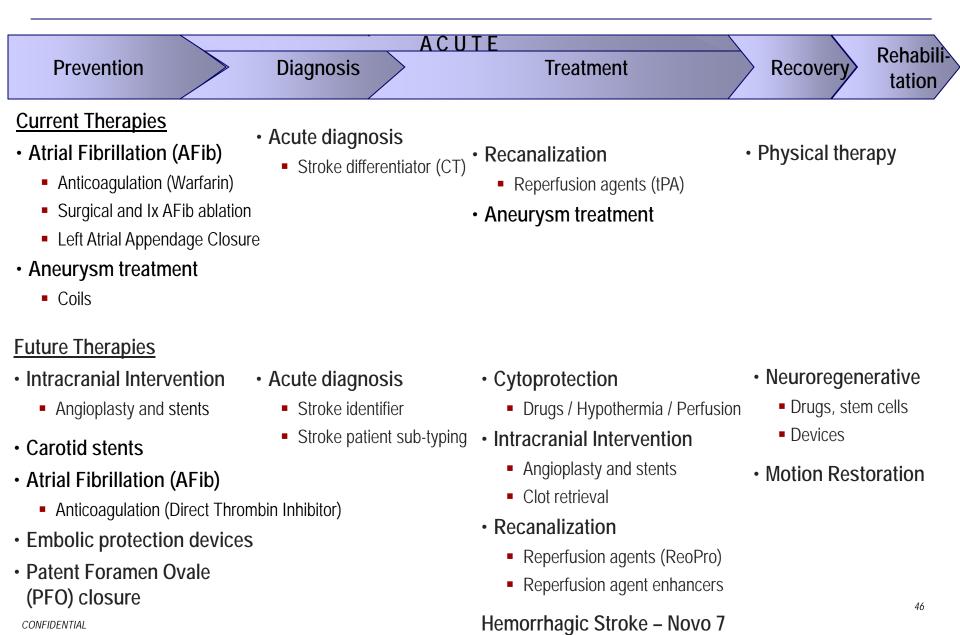




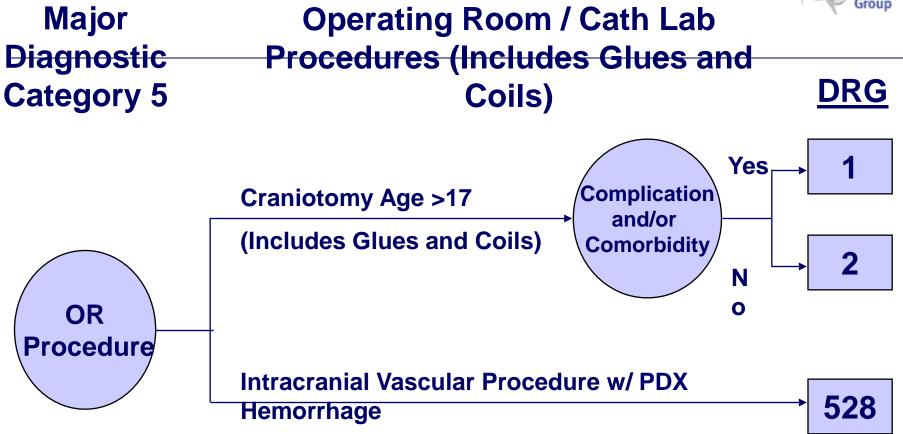
#### Pursue L&A in priority areas

### **Treatment Options** Pharmaceutical and Medical Device Opportunities









# **Craniotomy Procedures**

DRGDescriptionPayment001Craniotomy Age >17 w/ cc\$16,600

002 Craniotomy Age >17 wo/ cc \$9,700

528 Intracranial Vascular Procedure w/ PDX Hemorrhage





FY 2005

#### Principal Diagnosis:

437.0 Cerebral Atherosclerosis:

Principal Procedure:

99.10 Infusion of thrombolytic +/-99.20 Infusion of platelet inhibitor +/-88.41 Angio of Cerebral Artery

# DRG 016 w/ cc DRG 17 w/o cc

\$6,200 \$3,500



### Transient Cerebral Ischemia (TIA) Hospital Coding

FY 2005

Principal Diagnosis:

**Principal Procedure:** 

435.X Transient cerebral ischemia: 99.10 Infusion of thrombolytic +/-99.20 Infusion of platelet inhibitor +/-88.41 Angio of Cerebral Artery





### Nonspecific Cerebrovascular Disorder w/ CC Hospital Coding

# FY 2005

#### Principal Diagnosis:

437.0 Cerebral Atherosclerosis:

Principal Procedure:

99.10 Infusion of thrombolytic +/-99.20 Infusion of platelet inhibitor +/-88.41 Angio of Cerebral Artery

# DRG 016 w/ cc DRG 17 w/o cc

\$6,200 \$3,500





FY 2005

Principal Diagnosis:

Principal Procedure:

435.X Transient cerebral ischemia: 99.10 Infusion of thrombolytic +/-99.20 Infusion of platelet inhibitor +/-88.41 Angio of Cerebral Artery

# DRG 524 \$3,700

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# **Vision** Leading the global revolution against stroke

# Mission

# Improving outcomes through the prevention and treatment of stroke

# The J&J Credo



<u>The Four Tenets</u> Doctors, Nurses, Patients Employees Community

Shareholders

# **Our Credo**

We believe our first responsibility is to the doctors, nurses and patients, to mothers and fathers and all others who use our products and services. In meeting their needs everything we do must be of high quality.

### **Our Credo**

We believe our first responsibility is to the doctors, nurses and patients, to mothers and fathers and all others who use our products and services. In meeting their needs everything we do must be of high quality. We must constantly strive to reduce our costs in order to maintain reasonable prices. Customers' orders must be serviced promptly and accurately. Our suppliers and distributors must have an opportunity to make a fair profit.

We are responsible to our employees, the men and women who work with us throughout the world. Everyone must be considered as an individual. We must respect their dignity and recognize their merit. They must have a sense of security in their jobs. Compensation must be fair and adequate, and working conditions clean, orderly and safe. We must be mindful of ways to help our employees fulfill their family responsibilities. Employees must feel free to make suggestions and complaints. There must be equal opportunity for employment, development and advancement for those qualified. We must provide competent management, and their actions must be just and ethical.

We are responsible to the communities in which we live and work and to the world community as well. We must be good cilizens -- support good works and charities and bear our fair share of taxes. We must encourage civic improvements and better health and education. We must maintain in good order the property we are privileged to use, protecting the environment and natural resources.

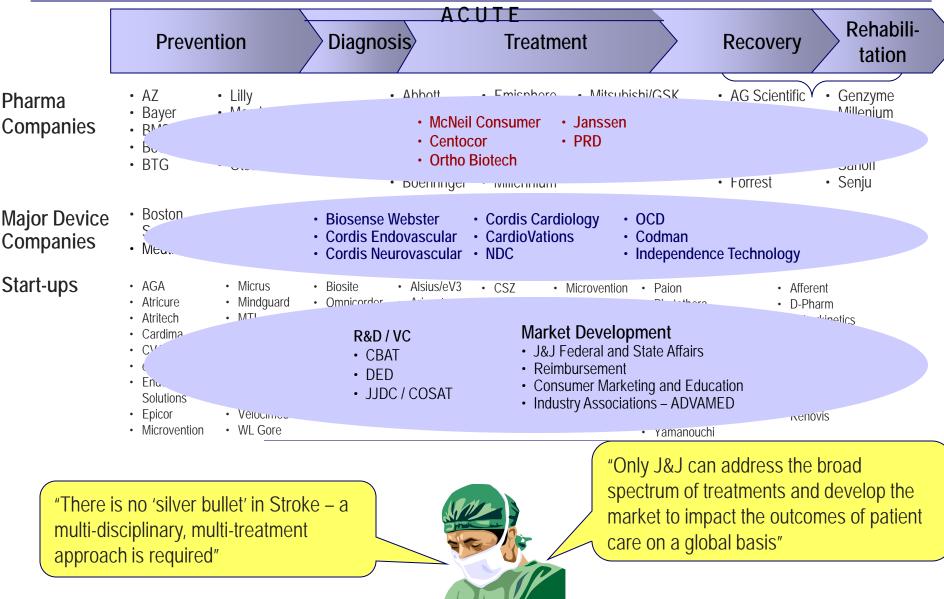
Our final responsibility is to our stockholders. Business must make a sound profit. We must experiment with new ideas. Research must be carried on, innovative programs developed and mistakes paid for. New equipment must be purchased, new facilities provided and new products launched. eserves must be created to provide for adverse times. When we operate according to these principles, the stockholders should realize a fair return.

Johnson Johnson

# Stroke Competitive Landscape: Why Is J&J Equipped to Win in Stroke?



NOT EXHAUSTIVE

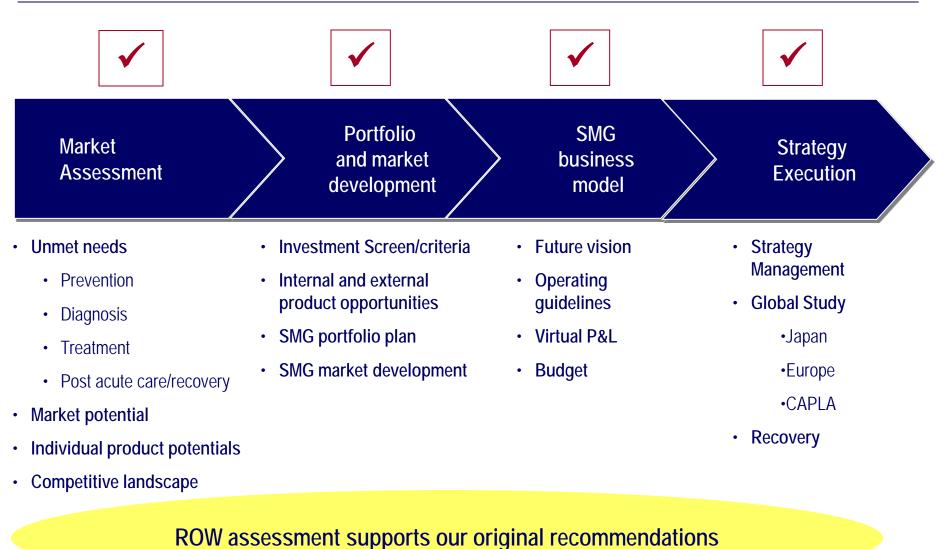


# **Stroke Management Participants**





# J&J Stroke Management Strategy Development Process

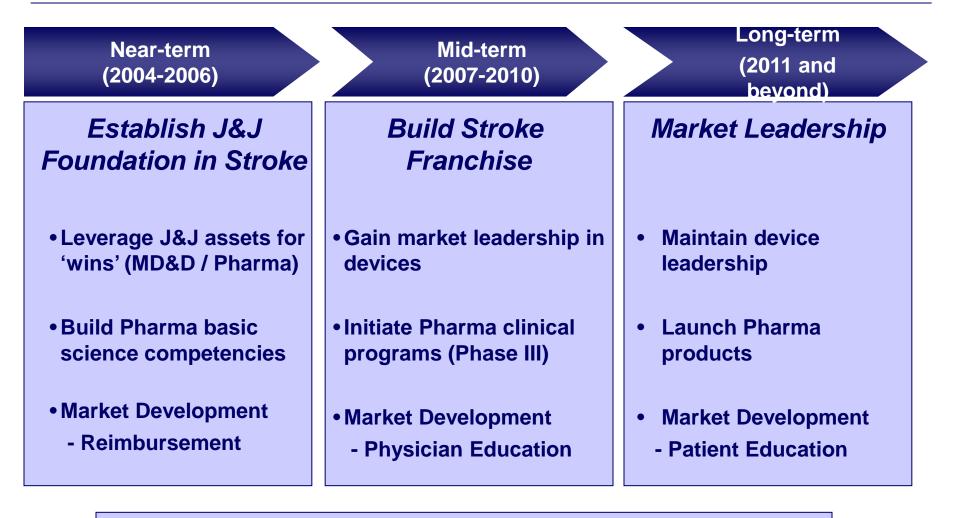


Stroke

Management Group

### J&J Stroke Management Strategic Imperatives





#### Pursue L&A in priority areas

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- S. Liang
- P. Marshall
- J. Broderick

- S. Liang/P. Marshall
- S. Liang
- P. Marshall
- S. Liang



- Criteria/process for change
- Decision Makers
- Timelines