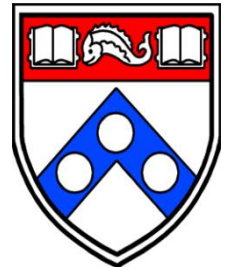


NEUROSCIENCE SERVICE LINES

NEUROLOGY OVERVIEW

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Proposed NSL Guiding Principles

“NSL Guiding Principles”

- ◆ **What are the reasons to form a NSL?**
 - Optimize access to neurosciences care
 - Improve efficiency of workplace for providers
 - Clear attribution of contribution of each element in the “line” regarding patient outcomes, margin, innovation
- ◆ Economy of scale
- ◆ Using existing well-developed, nationally competitive disease programs to advance the NSL

Neurosciences Service Line Guiding Principles

◆ Optimize access to neurosciences care

- User-friendly, coordinated patient experience to accelerate diagnosis and treatment care paths, emphasis on prevention and followup to decrease disease severity
- Develop clear connectivity between inpatient and outpatient experience
- Create a network where complexity of care is appropriate to site
- Must be able to convert to tiered environment of future health care

Neurosciences Service Line Guiding Principles

◆ Improve efficiency of workplace for providers

- Facilitated interdisciplinary collaboration between different related providers- coordinating point of care time and location, incentivizing innovative coordination efforts
- Utilize non-MD providers where appropriate to decrease delay in evaluations
- Develop databases with common data elements that allows real-time assessments of inpatient and outpatient outcomes, also integrated with clinical trial criteria- provide high level bioinformatics support

Neurosciences Service Line Guiding Principles

- ◆ **Clear attribution of contribution of each element in the “line” regarding patient outcomes, margin, innovation**
 - Non-proceduralists will be incentivized to direct patients to other services in the line
 - Cost savings must be rewarded – work to not to inappropriately use high cost services
- ◆ **Economy of scale**
 - Must be demonstrable regarding personnel, operational expenses, and interdisciplinary transfers

Neurosciences Service Line Guiding Principles

- ◆ **Using existing well-developed, nationally competitive disease programs to advance the NSL**
 - Immediate draw based on comprehensive reputation and/or clinical need
 - Most still need investment in clinical staffing
 - All lend themselves to “one-stop-shopping” for patients, creating centers of excellence for subspecialty care
 - High visibility
 - Cutting edge care and research technology
 - Natural complement to research entities, departments/institutes, etc

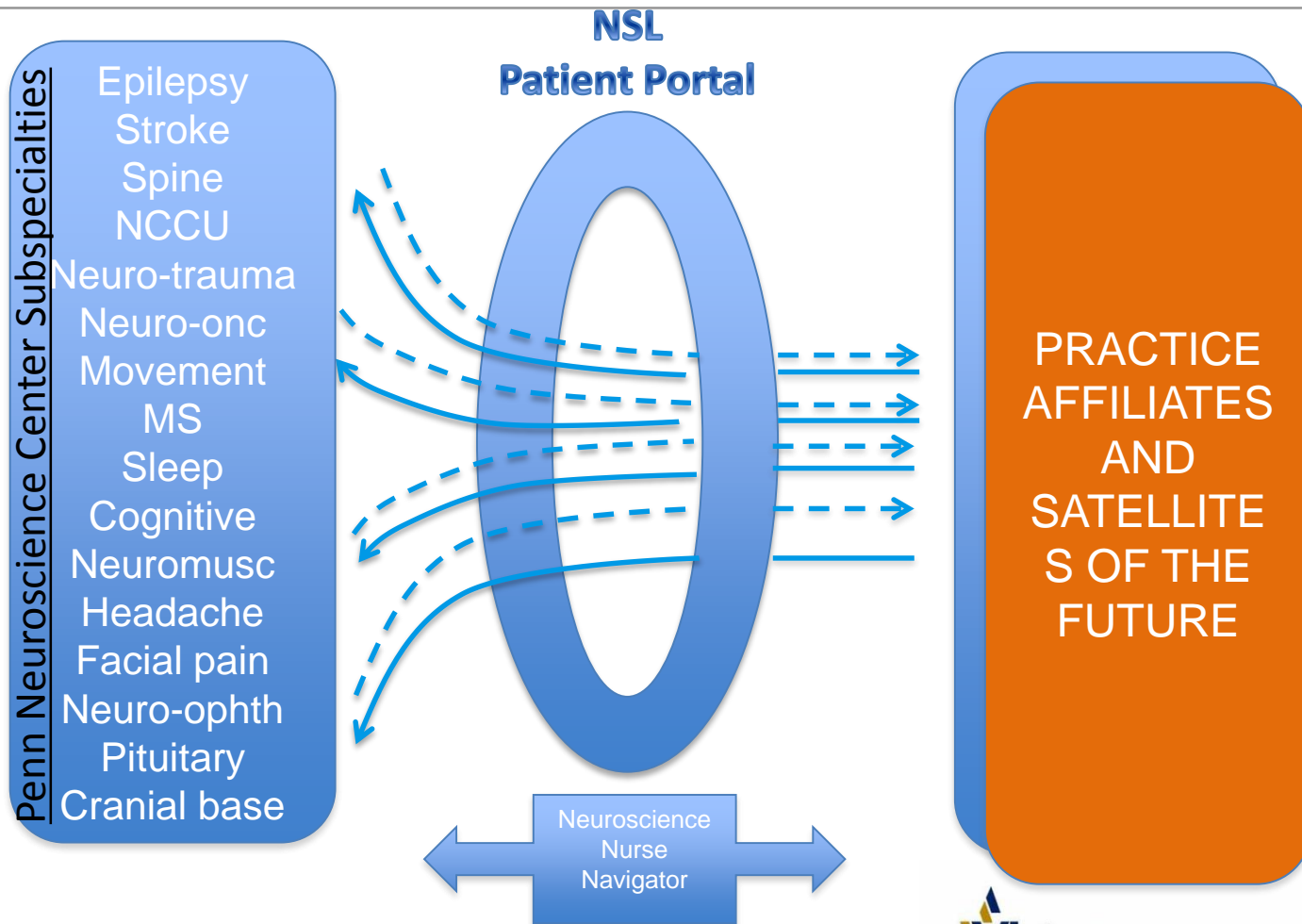
Network expansion to satellites and affiliates

Departmental Guidelines for Network and Affiliate Expansion

◆ Guiding principles for decision to expand: criteria

- Incorporate a rationale for one of more departmental missions (clinical, education/training, research)
- Optimize mutual benefit for department and external site
- Should not bring new financial burden to departmental entities
- Consider and account for complexity of care, adjusting to capacity of site, and decrease opportunity costs as central sites
- Include careful consideration of faculty and providers, as well as designation of new recruits
- Must minimize adverse effect on patient pipeline to central sites
- Optimize utilization of special or local patient populations as candidates for enrollment in clinical research or education
- Must be accompanied by a clear plan of enhanced access for patients to central sites, and support to guarantee continuity of care

Neuroscience Line Portal managed by Nurse Navigator



Management of referrals from outside institutions

- ◆ **Requirement/request for infrastructure and alignment:**
- ◆ **Informational materials**
 - Provide clear information regarding specialty services, providers and clinics both hardcopy and online
- ◆ **Access**
 - Use a central referral line that is monitored by the Nurse Navigator
- ◆ **Nurse Navigator role**
 - Screen referrals for appropriate placement
 - Accommodate same day multiple services (“one-stop shopping”)
 - Manage communications between outside referring provider and Penn NSL provider,
 - Assure timeliness of referral
- ◆ **Quality**
 - Navigator will also participate in quality initiatives around access and post-care disposition