

Adapting buildings and equipment for the future

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**TRANSFORMING
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A human perspective from architecture and engineering for a solidary and functional hospital

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It is important to note that the perspective of combinations of diseases, injuries, accidents and tragedies can establish different scenarios of architectural and engineering solutions for each health assistance situation, so the **hospital's functional solidarity** can be considered as the first axis in the solutions for healthcare buildings.

Countries located in the tropics, and Brazil is one of these cases, have their particularities and specificities of endemic diseases that often require important emergency care. Of course, the current pandemic has no comparable parameters!

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Ephemeral solutions -Rio de Janeiro



Boat in the River - Amazonas



Ephemeral and definitive - São Paulo

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Some questions for all!

- How does the premise of solidarity work for building designed for health assistance?
- And what does this mean?
- What architectural and engineering factors should consider as fundamental to get the best result in hospital assistance?

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Fundamental aspects for solidary and functional hospital

Expansibility

We will have to think hospitals more and more as elastic spaces that are not only giant buildings inserted in urban spaces, in cities.
Good quality of hospitals for these situations depends on favourable conditions for expansion.
Designing each time more elastic and supportive spaces and facilities.

Flexibility

The subdivision of the physical space or the functional subdivision, of the activity that takes place in the environment, can be a strategy of functional solidarity, flexible solidarity for each hospital building.
Enable faster and more agile operational changes.

Contiguity

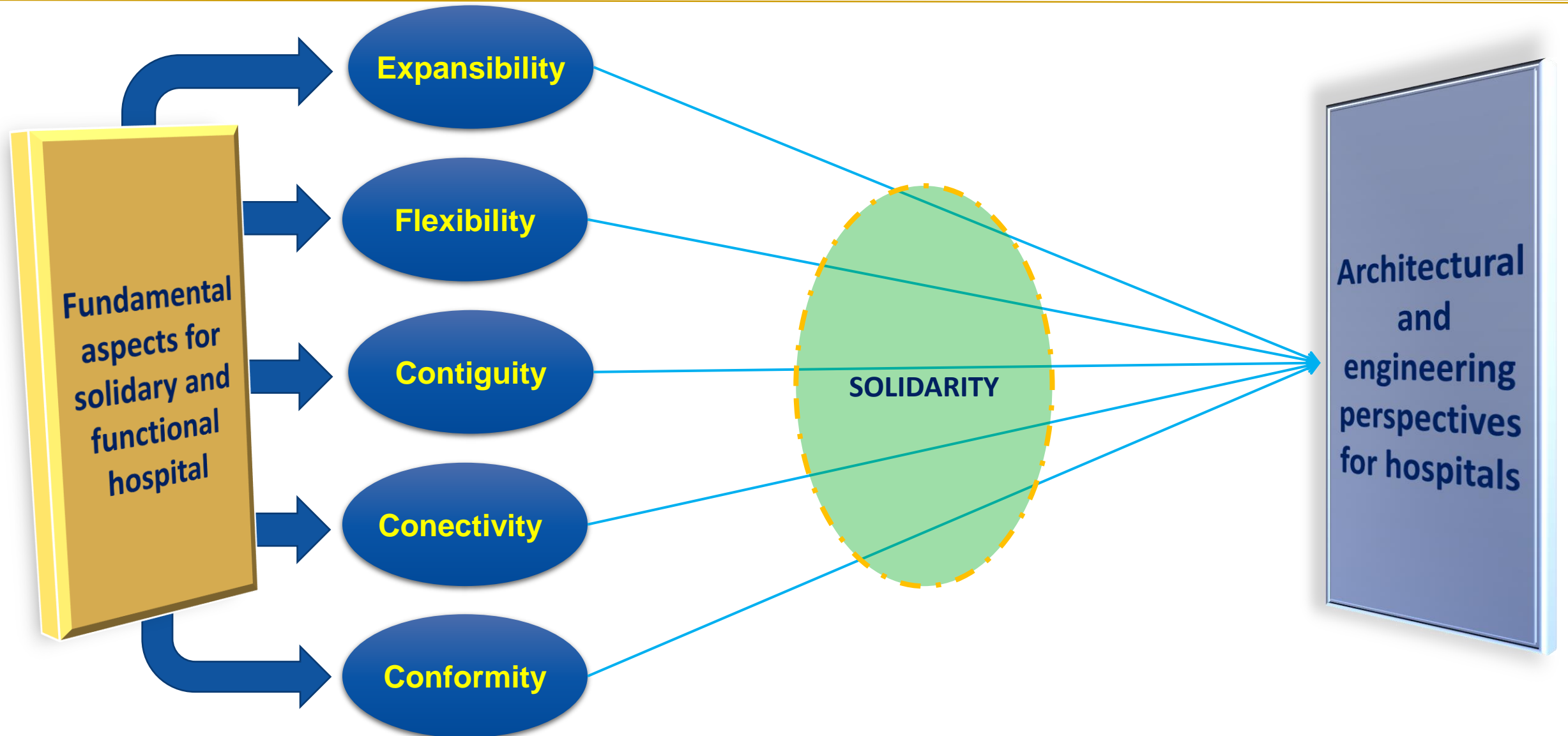
Propose spaces combining essential services for patient care (grouping procedures related to those at risk of death or profound suffering) reducing the routes and time of care.
Functional neighbourhoods, vicinity, within the hospital itself should be the focus for reducing to what is essential for each sector with a view to health assistance solidarity.

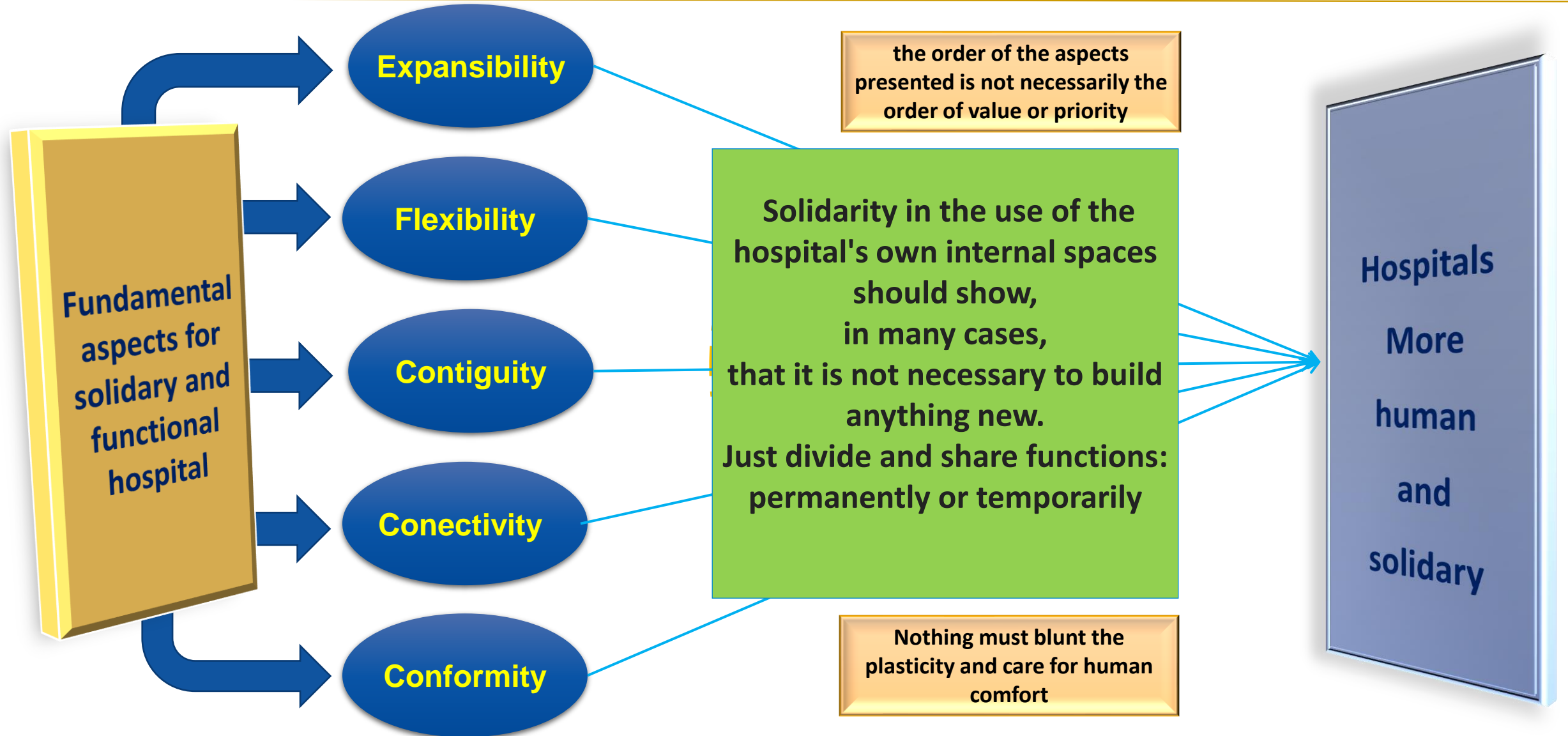
Conectivity

The connections between the environments must have their respective connection with the building facilities (electrical, hydraulic, sanitary, air conditioning etc.) and special ones (oxygen, hydrogen, vacuum and compressed air...) in the functional ordering and in the rational agglutination

Conformity

Functional spaces and environments in the hospital must be in agreement to what has been planned to be performed and executed, being a true function for that location.





I thank you all for your attention

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