PAṂCA KOŚAS AND THE GAṈAPATI - ANNAMAYA KOŚA, AND ITS ROLE IN MANAGING HEALTH AND THE IMMUNE SYSTEM WITH SPECIAL REFERENCE TO HIV/AIDS

Harichandra¹, Ramesh M.N.*²
¹ S-VYASA, Kempegowda Nagara, Bengaluru, India
*² Molecular Biology Laboratory, S-VYASA, India

Abstract

Paṁca kośas are the sum and substance of a being. Annamaya kośa is the grossest of the paṁca kośas. This paper deals with the annamaya kośa, and the message of the purāṇīk character Gaṅapati in managing health and the immune system with special reference to HIV/AIDS. The paper starts with explaining the need for knowledge and explaining why the purāṇīk stories were required and what they aimed at. Keeping in mind that purāṇīk characters are symbolism of some concept, the paper explores the connection between Gaṅapati and the food, which is the maker of annamaya kośa. In the later part the paper, with the help of several references the paper explains the significance of food (nutrition) in managing, health and the immune system with special reference to HIV/AIDS.

Keywords: HIV/AIDS; Gaṅapati; Panchakośa; Annamaya Kośa; Malnutrition.

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1. Introduction

Everyone wants to be knowledgeable. The English word ‘knowledge’ refers to two Indian words, (1) the ‘jnāna’ and (2) the ‘vidya’. Vidya is something that we learn from the outside world. Jnāna is what we learn within ourselves through a process called spirituality.

Vidya is earned through the sense organs; as the sense organs interact with nature, institutions, peers, books, or anybody / anything else. In an attempt to gain vidya, the sense organs work within the velocity of light. The fastest of these senses are the eyes which work below the velocity or light or at the velocity of light. Hence the amount of vidya learnt in one’s life’s time is limited. The story of Bhāradvāja who took births after births to learn Vedas, the vidya route; and later realized that he needs thousands of births to learn completely, is worth noting here(Azzarito 2015). On the other hand, Jnāna is obtained when we travel inwards; within us
through a process called tapas or spirituality, where we surpass the velocity of light from within. Hence that which is learned through jnāna route is unlimited.

Jnāna requires tremendous amount of effort, the ‘sādhana’. People who attain jnāna are called the jnānis or the dārshaniks. While with no barriers of caste, creed, colour, country, gender or whatsoever everyone can become a jnāni, it is not an easy sādhana to become a jnāni. Only a few people can make it up. These few jnānis, in the interest of upliftment of the society propagated the knowledge they gained through various forms. The highest form of knowledge are the Vedas. Over time, common man felt it difficult to understand even the Vedas, and hence came the various simpler explanations for the Vedas (Swaminathan 2016) in the form of Darshanas, Upanishads etc.

To further ease the understanding of the concepts, stories called the purāṇas came up. The personified characters in the purāṇas, their form and their activities either explained certain concepts of the world, or pass on certain messages for upliftment of humanity at large; all of which are available in a seed form in the higher Vedic literature. Hence purāṇik characters further elaborate the concepts in their higher forms the Upanishads, the Vedas etc. for understanding by the common man. One of such purāṇik characters is the ‘Gaṇapati’. The Gaṇapati can be looked at in several dimensions. As such, the concepts explained in the Vedic literature can be understood in three dimensions, or can be applied to three levels:

1) Ādhibhoutika: Applicable to the brahmāṇḍa (solar system)
2) Ādidaivaīka: Applicable to the human pīṇḍaṇḍa (body)
3) Ādhyātmika: Applicable to the ātma (soul)

Macrocosm, or the solar system including all the nature surrounding us is called the brahmāṇḍa. Application of Vedic knowledge to the brahmāṇḍa is the ādhibhoutika approach. Microcosm refers to the pīṇḍaṇḍa or an individual. Yajur Veda says “yat brahmāṇḍe, tat pīnde”, which means as is the solar system, so is the individual. This further means that the governing principles applicable to brahmāṇḍa are also applicable to pīṇḍaṇḍa. Thus Vedic literature is applicable to both brahmāṇḍa and pīṇḍaṇḍa.

Soul is the sum and substance of the microcosm. Hence, as is the body so is the soul. Hence the Vedic literature as applicable to the ātma is referred to as the ādyātmika approach.

The soul has five layers of existence or the five components, as the macrocosm is made of the five elements, the panchabutas. They are the annamaya kośa, prāṇamaya kośa, manomaya kośa, vijñānamaya kośa and ānandamaya kośa. Table 1 gives an overview of the three dimension of understanding of the Vedic literature.

| Level : Based on Embodied energies* | Ādhibhoutika (brahmāṇḍa) | Ādidaivaīka (pīṇḍaṇḍa) Microcosm | Ādhyātmika (Aṇḍaṇḍa/Ātma) Soul |
|-----------------------------------|--------------------------|---------------------------------|---------------------------------|
| 1 | Earth | Physical body | Annamaya kośa |
| 2 | Atmosphere | Prāṇik body | Prāṇamaya kośa |
| 3 | Moon | Mind | Manomaya kośa |
| 4 | Other planets and their | Intellect | (Buddha), | Vijnānamaya kośa |

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energies (Grahās) understanding (Guru),
vision (Śukra), etc. Soul Ānandamaya kośa

5 Surya (Sun) * In a relative ascending scale of 1 to 5.

Annamaya kośa is the grossest of the layers of existence. While there are several approaches with which people have tried to understand and apply Gaṇapati to, this articles takes the approach of the panchakośa concept explained elaborately in the Taittareya Upanishad. In particular, at the ādhidaivika level. Further, this paper only discusses Gaṇapati at the annamaya kośa layer of existence.

The hypothesis, this paper is centred around is that, ‘Gaṇapati is the Lord of food’, which is the most significant ‘maker’ of the annamaya kośa. This article attempts to prove the hypothesis based on several simple observations on the form of Gaṇapati and the ritual of Gaṇapati pūjā.

2. Gaṇapati, The Lord of Food

Human beings at the time of birth weights anywhere between 2.5 kg to 4 kg. As they grow, normally adults reach between 50 kg to 100kg, or even more. This add-on of the weight is mainly due to the food we eat. Thus we can comfortably attribute the physical body (annamaya kośa) to the food; and thus can also be comfortably attributed to the basic causing factor (kāraka) of annamaya kośa. Fig. 1 shows a typical Gaṇapati.

Gaṇapati is said to be the son Pārvati. Pārvati symbolizes water. As such, Pārvati is the daughter of Parvata Rāja (Mountains’ king) (Ramachander n.d.), meaning the daughter of the king of hills, which further means birth of Pārvati is caused by hills. It is known that as clouds are moving, when they encounter hills. This encounter leads to fall of rain. This is symbolized as Pārvati.

Food is a product of earth and water. As such the dirt from Pārvati’s body was used to make Gaṇapati, the story says. Dirt from Pārvati’s body is nothing but the dirt carried by water as it flows. The leaves, the twigs etc. carried by water as it flows is the dirt, which is a source of manure. From manure grows the food. Hence Pārvati created Gaṇapati with the dirt of her body.

The word gaṇa means people. Pata means path. Hence Gaṇapati is the one who takes the people in the right path and protect them. Pati is one who takes people on the right path and protect them. Thus Gaṇapati means the protector of the people. That would mean, a king/lord. The basic duty of the king is to facilitate the basic needs of the people. The inevitable basic need of the people is the ‘food’. Hence Gaṇapati is the lord of food. Let us see some of the features of Gaṇapati.
Fat stomach: Gaṇapati has a fat stomach. This form symbolizes that Gaṇapati has enough food to feed everyone. Fig. 2 shows a fat stomach of Gaṇapati.

Snake around the belly: Further, food is a treasure. Everyone needs it. In order to guard this treasure called food, Gaṇapati has a snake wound around his stomach. Fig. 2 shows a snake tied around the fat stomach of Gaṇapati.

Rat as vehicle: Rats are notorious, especially for the farmers. They are like pests in the fields and spoil, eat and contaminate the crops, fruits, vegetables, cereals, oilseeds or whatsoever. Hence control over the rats is important to avoid spoiling of food. Hence, Gaṇapati rides over the rat, with a whip symbolizing its control. The snake around the stomach also have the role of keeping rats under control. Fig. 3 shows Gaṇapati being seated on a rat.

First pūjā is for Gaṇapati: It is a practice that whatever pūjā we perform, the first pūjā would be for Gaṇapati. It is said that without this ritual, there could be lot of hurdles in whatever we perform. Also before starting any work for that matter, it is a practice that we invoke the blessing of Gaṇapati with a belief that hurdles are prevented.

This is very true. We have to face a lot of hurdles if we start any pūjā or programs without Gaṇapati pūjā. Basically, Gaṇapati being lord of food, Gaṇapati pūjā means pūjā for stomach, which means we have to consume food to have energy to do work. Without food, whatever we try to do, we fall short of energy to do work, which is essentially a hurdle.

If a person avoids Gaṇapati pūjā his works would face lot of hurdles, which means that if one does not have food, he cannot do work, cannot involve properly in work, and has to face hurdles in work.

Pillari: Added to the above coincidences is the Pillari which further supports the hypothesis that Gaṇapati is lord of food. The Pillari is said to be the true original or root form of Gaṇapati. During the Gaṇapati festival on Bādrapada cauti (4th day from the new moon day), before doing pūjā for the elephant faced form of Gaṇapati, the ‘Pillari’ is first offered the pūjā. Pillari is basically cow dung in the shape of a cone with a little grass pierced into the apex of the cone. Grass indicates the vegetation, which is the source of food. Grass family is the family of vegetation where we get the basic/staple food,
the rice, ragi, jowar, wheat etc. Cow dung being one of the best manures on earth, the grass comes out of the manure, which is what is indicated in Pillari. Fig. 4 show Pillari.

Sometimes turmeric is used in place of cow dung. Turmeric indicates protection. Since growth of vegetation requires both nutrition (given by cow dung) as well as protection, it is a practice that some use turmeric to make the conical form. Fig.5 shows pūjā having already been performed during the Gaṇapati festival on the 4th Day of the Bhadrapada month, for Gaṇapati in the form of Pillari before doing the pūjā for the typical Gaṇapati form.

**Pūjā with leaves:** Also, unlike any other pūjā for various gods, all kinds of green leaves are used during Gaṇapati pūjā which indicates vegetation. Figure 6 shows offering of leaves to Gaṇapati during Gaṇapati pūjā.

**Baski or sit-ups:** Another interesting coincidental practice to support the current hypothesis is performing sit-ups after the traditional Gaṇapati Pūjā. Compared to several other festivals and pūjās, that are performed, one thing special

**Modaka:** Modaka is a food that is said to be liked to most by Gaṇapati. Modaka is a sweet food that has an outer covering made of rice, and the actual sweet within it. The staple food basically comes in this form; a covering outside, and the actual food inside (Example: Rice and the paddy). Also, modaka (the sweet) means glucose. It is the desire of Gaṇapati that, whatever one has consumed as food, it is to be converted into glucose. Hence, Gaṇapati wishes for modaka; which means Gaṇapati wishes that the food we eat is converted into glucose.

**Tulsi and Gaṇapati:** The following is yet another interesting thing: Tulsi (Ocimum Sanctum) is not accepted for pūjā in a Gaṇapati temple(Iyengar et al. 2015). Tulsi has highly
medicinal values and helpful in curing several diseases (Joshi et al. 2011; Gupta et al. 2002; Prakash & Gupta 2005). Of several reasons, this is also another reason why a plant of *Tulsi* is kept in front of every Indian home. There is a saying ‘one who knows his food, does not have a disease’. Since a person doing Gaṇapati pūjā rightly, does not become a victim of any disease. Hence, *Tulsi* is not required. As such, bringing *Tulsi* to Gaṇapati temple is an insult to Gaṇapati. Hence, *Tulsi* is not accepted for pūjā in Gaṇapati temples.

With all the above correlations between the form of Gaṇapati, practices during and after Gaṇapati pūjā it is quite evident that Gaṇapati is a symbolic purāṇik character, and is the lord of food; and Gaṇapati pūjā means having ‘adequate and proper’ food.

3. Nutrition & HIV/AIDS

Food, is the basic inevitable need of one and all. Lack of good quality and quantity of food leads to malnutrition. Malnutrition has been a global problem. **925 million people** do not have enough to eat and 98 percent of them live in developing countries (FAO 2010). It is so unfortunate that when we call today’s world as the world of advancements, the world of science and technologies; with all the developments, we are unable to manage providing the basic need for all, the food by adopting suitable strategies. Quite obviously the state of health of these people with malnutrition have to face basic health problems, and with the body’s defense mechanism not nourished, they are prone to several opportunistic diseases.

To give an analogy, any country’s defence personnel (say, soldiers) guard the country from enemy’s attack. It is a common sense that if these soldiers are not given food, the strength and the number of the soldiers reduces. Hence they will not be able to guard the country. On similar lines, it is a common sense that the number and the strength of the antibodies produced upon attack by harmful/poisonous agents depend upon the food a person takes. Hence, malnutrition (undernutrition) is a severe deficiency. Because of the deficiency the bodily dysfunction occurs and body becomes increasingly vulnerable, leading to infection of the host (Enwonwu, C 2006). Chandra R K makes is clear that malnutrition is the most common cause of immunodeficiency worldwide (Chandra 1991).

Children with malnutrition also have loss of the ability of killer lymphocytes to recognize and destroy foreign tissues (Enwonwu, C 2006). Malnutrition results in deficiency of macronutrients. A chronic deficiency of macronutrients lead to protein energy malnutrition(Morley 2007). Particularly in children, protein energy malnutrition is known to cause widespread atrophy of lymphoid tissues, particularly T-lymphocyte areas(Kumar et al. 2004). This leads to impairment of antibody production to T-dependent antigens. This further causes impairment in adaptive immunity and leads to reduced ability of the patients to ward off infections (Chandra 1999).

Malnutrition is considered to be a marker for poor prognosis among subjects infected with HIV (Nerad et al. 2003).

Nutritional management is considered to be an integral part of care for subjects infected with human Immunodeficiency Virus (HIV) (Nerad et al. 2003).
In both malnutrition and HIV there is reduced CD4 and CD8 T-lymphocyte numbers (Chandra 1999). CD4 and CD8 being the markers for HIV, malnutrition and HIV and coincidental and providing proper nutrition helps increase CD4 and CD8, and thus help fighting HIV.

Rosenberg et al. [9] observed that HIV-specific CD4+ T-cell responses were of high magnitude in individuals who were HIV infected but not showing progression over long periods (long-term nonprogressors). Also, in acute viral infections such responses could be seen but they were generally not present in patients with chronic progressive infections.

Along with education and counselling nutritional support is also on focus in improving the QOL of people living with HIV/AIDS. It is also to be noted that malnutrition further reduces the capacity of the body to fight infection. This is because of compromise of various immune parameters. Incorporating components of nutrition and its management goes a long way in improving QOL, and better survival in HIV-infected subjects (Duggal et al. 2012).

Hence, proper nutrition is the basic necessity for a person to keep themselves away from not only deadly diseases like HIV/AIDS, but also any disease for that matter.

As also, the first step in prevention, control and cure of AIDS is Gaṇapati pūjā. Here, Gaṇapati pūjā does not mean offering flower or garlands to the idol of Gaṇapati. Gaṇapati is the lord of food, product of light. Gaṇapati pūjā means the pūjā for the stomach. Again, pūjā for the stomach does not mean garlanding or offering flowers for the stomach; but having food for the stomach.

4. Conclusion

Puranic characters symbolize the aspects of working of the human body, the nature and help people understand the real purpose of life, explained in the vedas. Gaṇapati is a character which symbolizes one of the important aspects of working of the human body, the providing of proper nutrition which is the first step in the development of the panchakoshas. Proper nutrition is key to maintaining proper immune system, and inevitable to manage immune system and is specifically important for subjects with HIV.

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*Corresponding author.

E-mail address: ramesh.mavathur@svyasa.org