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Case Study
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A CLINICAL CASE STUDY OF *NITYA VIRECHAN* ALONG WITH *SHAMANA AUSHADHIS* IN THE MANAGEMENT OF *UDAR VYADHI* WITH SPECIAL REFERENCE TO LIVER PARENCHYMAL DISEASE

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ABSTRACT

Ascites is present when there is abnormal collection of free fluid in the peritoneal cavity. Ascites can be correlated with *udar vyadhi* in Ayurveda as signs and symptoms of both are same. According to *Acharya Charaka udar* is condition where *shotha* is presented when vitiated *vata dosha* takes *stanasamsraya* in *kukshi* (abdomen/ flank region) in between the *twacha* and *mansa dhatu*. Present article explains a case of ascites caused due to liver parenchymal disease which was successfully treated with *Nitya virechana*, an ayurvedic *chikitsa siddhanta* of *udar vyadhi*.

KEYWORDS: Ascites, *Udar*, liver parenchymal disease, *Nitya virechana*.

INTRODUCTION

Ascites is caused by imbalance between plasma oncotic pressure and total body sodium- water excess, resulting into abnormal collection of free fluid in the peritoneal cavity. The most common causes of ascites are alcoholic liver cirrhosis (62%), non- alcoholic cirrhosis (5%), malignancy with cirrhosis (5%), malignancy (13%).^[1] Other causes are infections, congestive heart failure and hypoalbuminemia due to nephrotic syndrome, malnutrition and protein losing enteropathy.

Ascites can be correlated with *udar vyadhi* in Ayurveda as signs and symptoms of both are same. According to *Acharya Charaka udar* is condition where *shotha* is presented when vitiated *vata dosha* takes *stanasamsraya* in *kukshi* (abdomen/ flank region) in between the *twacha* and *mansa dhatu.*^[2] *Uadar* is *kruchhra sadhya vyadhi*^[3] and is one of the *astoumahagad vyadhi* (8 major illnesses in ayurveda classics).^[4]

Present article explaines a case of ascites caused due to liver parenchymal disease which was successfully treated with *Nitya virechana*, an ayurvedic *chikitsa siddhanta* of *udar vyadhi*.

CASE REPORT

A. Primary data –
Patient name – XYZ
Age /sex -65 years/male
OPD No.- 17432

Address – Sidco, Nanded, Maharashtra. Occupation -Retired government official

PRESENT COMPLAINT WITH DURATION

Udaraadhmana (fullness in abdomen)	6 months	
Udarvruddhi (abdominal distension)	6 months	
Ubhaya pada shotha (pedal edema)	6 months	
Kshudhamandya (loss of appetite)	6 months	
Asamyaka malapravartana (disturbed bowel habit)	6 months	
Dourbalya (weakness)	2 months	
Shwasa kasthata (dyspnoea at rest)	2 months	

Past history of illness- No H/O DM/ HTN/ Bronchial asthma

K/C/O – hypothyroidism – taking levothyroxine - 100mcg

Present history - A 65year male patient was apparently healthy before 6 months. Gradually he observed symptoms like *udaraadhman*, *udarvruddhi*, *kshudhamandya and asamyaka malapravrutti* so he consulted a general physician where he was diagnosed with liver parenchymal disease with portal hypertension and treated with modern medicines (tablet lasilactone 20/50 twice daily) but during treatment, he gradually developed gross ascites and *shwas kasthata* and *dourbalya*. So, he came to OPD of Government Ayurveda Hospital Nanded, Maharashtra where he was

diagnosed with udarvyadhi and treated according to the chikitsa siddhant of udaravyadhi.

Samanya parikshana

<i>Nadi – 104/</i> minute	Shabda – spashta
Mala – asamyaka and grathit malapravrutti 2veg/day	Sparsha – samashitoshna
Mutra – samyaka 5-6 veg/day	Druk – drustimandya
Jivha- saam	Aakruti – madhyama

General and systemic examination -

// WIIIIII	
Pallor	Present
Icterus	Not seen
BP	130/90 mmHg
Respiratory rate	28/minute
SpO2	98%
Weight	65 kg
RS	AEBE Rt lower lobe crepitations present
CVS	S ₁ S ₂ heard normal
CNS	Conscious and oriented to time, place and person

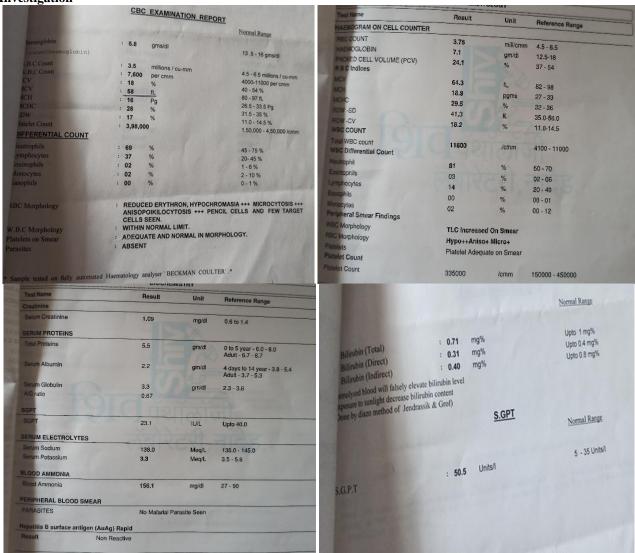
Abdominal examination

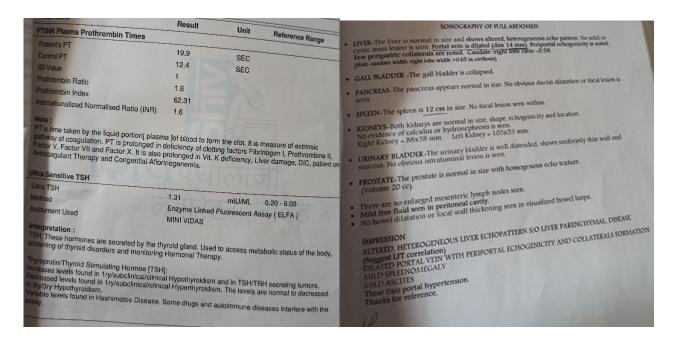
Inspection – distended abdomen with everted umbilicus, dilated superficial veins over anterior abdominal wall.

Palpation – liver and spleen not palpable.

Percussion- shifting dullness and fluid thrill were present.

Investigation





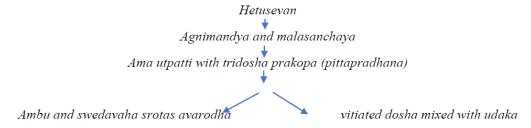
Nidan panchak

Hetu – ushhapana (daily 100 ml), ajeerna bhojana, malavegadharana, virrudhha aahar (fruit and milk), katurasa sevana, bhojanottar jalpaan, sheeta and guru ahar sevan, vidahi ahar sevan Purvaroopa – udaradhmaan only bhojanottar, kshudamandya and ayasen shwaskastata

Roopa- Udaraadhmaana, Udarvruddhi, Ubhaya pada shotha, Kshudhamandya, Asamyaka malapravartana, Dourbalya and Shwasa kasthata at rest

Upashaya – after treatment

Samprapti



Pitta ushna guna increases

Sharira dhatu pachana

Liquid portion of dhatu get separated

Due to abnormal direction of vayu this liquid portion gets accumulated in kukshi

Lakshanotpatti

Lakshanotpatti Udar

Dosha — tridosha and mainly pitta Dushya — rasa, rakta Srotas — Udakavaha srotas, Pranwaha srotas, Rasavaha srotas, Annavah srotas Srotodusti parkar — sanga Sadhyasadhyatva- kruchhrasadhya After agnisandhukshana Mugdal and roti (Pratham annakale) and after that shunthi siddha godugdha

Treatment protocol given

Diet – *shunthi* siddha *godugdha* at the time of *kshudhaprachiti* – for first 15 days

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Medicine

Sr no	Medicine	Dose	Anupana	Duration
1	Trivrrutta avaleha ^[5]	5 gm	Warm water	10 days
1	Triviruna avaiena	3 gm at morning empty stomach	waiii watei	10 days
2	Vasaguducyadi kashayam ^[6]	15 ml thrice a day	warm water	20 days
3	Phalatrikadi guggula ^[7]	500 mg twice a day	warm water	20 days
4	Taapyadi loha ^[8]	500mg thrice a day	warm water	2 months
5	Dadimavaleha	15 ml twice a day	Warm water	2 months
6	Udarpattabandhan with eranda patra	Once a day for 6 hrs	-	-

Previous allopathy treatment continued as it is.

RESULT

There was significant relief in all symptoms like *Udaraadhmana*, *Udarvruddhi*, *Ubhaya pada shotha*,

Kshudhamandya, Asamyaka malapravartana, Dourbalya and Shwasa kasthata.

OBJECTIVCE PARAMETERS

Sr no	Parameter	Before treatment	After treatment	
1	Weight	65 Kg	58 Kg	
	Abdominal girth (supine position)			
2	 4 cm above umbilicus 	96 cm	85 cm	
	At umbilicus	88 cm	81 cm	
	 4 cm below umbilicus 	84 cm	79 cm	
3	Midaalf ragion	Rt – 39cm	Rt – 36 cm	
	Midcalf region	Lt - 38.5 cm	Lt – 36 cm	
4	Ankle joint	Rt – 36cm	Rt – 34.5 cm	
	Ankle joint	Lt – 36 cm	Lt – 34 cm	
5	Respiratory rate	28/ minute	21/ minute	
6	Haemoglobin	5.8gm/dl	7.1gm/dl	
7	Red blood cell count	3.5mil/cmm	3.75mil/cmm	
8	Total leukocyte count	7600/cmm	11800/cmm	
9	Platelet count	398000/cmm	335000/cmm	

DISCUSSION

When patient came to our hospital, he was having *Udaraadhmana*, *Udarvruddhi*, *Ubhaya pada shotha*, *Kshudhamandya*, *Asamyaka malapravartana*, *Dourbalya* and *Shwasa kasthata even* at rest. So, diagnosed as *udar vyadhi* and treated according to *chikitsa sidhhanta* of *udar* as it causes both relief in symptoms and also *sampraptibhanga* (reverses pathophysiology of disease).

The probable mode of action of mentioned *chikitsa upakrama* can be explained as follows:

1. Dugdhahara (shunthi sidhha dugdh) — Cow milk is complete food and it was medicated by boiling with shunthi churna as kshudhamandya was one of the symptoms. Shunthi showed these effects because it has agnideepana and amapachana properties. Patient was treated with daily virechan, so dugdhahara was given with an intention to improve the physical strength and to relieve the strain during purgation.

After improvement of *agnibala mugdal* and *roti* was given at first meal time as it is *pathyakara* and after that *shunthi sidhha dugdha* was given.

2. Nitya virechana with Trivrrutta avaleha —was given as one of the pathological factors in udar is malasanchya and nityavirechana is main treatment modality for udar. The patient had liver

parenchymal disease which is moolasthana of rakta dhatu and pitta resides in rakta (ashrayashrayi sambandha) so, pradhana shodhan upakrama of pitta dosha which is virechan was used as main treatment. Trivruuta is sukhavirechana dravya (not causes harm) and according to Acharya Vagbhata trivrrutta leha is hrudya virechana yog so it was used.

- **3.** Vasaguducyadi kashayam according to Acharaya Vagbhata vasaguduchyadi Kashaya is used in kamala (liver diseases), panduroga (anemia), pitta imbalance condition and bleeding disorders.
- **4.** *Phalatrikadi guggula* it is commonly used drug of *panchabhoutik chikitsa* to manage the diseases of liver as it helps to remove the toxins accumulated in liver and excrete them through stool.
- **5.** Taapyadi loha according to Acharya Vagbhata tapyadi loha can be used in patient of anaemia, kshudhamandya and liver diseases.
- **6.** *Syrup Dadimavaleha* it is proprietary medicine used to treat anaemia and as pittashaman.
- 7. *Udarpattabandhan* with *eranda patra* it was given to avoid *vatadosha prakopa* and to give *mrudu swedana* and to reduce *srotorodha* in *udar*.

Patient was given proper diet plan so he got relief in udaraadhmana and ignition of agni also occurred

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resulting in increased diet intake of patient without having fullness in abdomen after meals. Due to virechana karma fluid accumulated in peritoneal cavity was reduced so abdominal distention relieved and because of that dyspnoea also decreased as a result patient was able to do his daily routine work, weakness was managed with proper diet plan of dugdhahara.

CONCLUSION

Udar can be successfully managed with ayurvedic treatment. In present case study nityavirechana, agnideepana and raktavardhana chikitsa was given to treat malasanchaya agnidusti and raktakshaya. During the continuous shodhana chikitsa rugna bala was maintained with proper diet. Pittashamana and srotorodha nashana chikitsa was also given to break the chain of pathophysiology of disease. outcome was relief in all symptoms, remarkable changes in objective parameters and also there was significant improvement in quality of life of patient.

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